THOMPSON RIVERS UNIVERSITY

ACADEMIC CALENDAR 2014|15

tru.ca/registration

Contents

Contents 1

The TRU Calendar 3

Academic & Important Dates 2014/2015 4
Semesters 4
Important Dates 5
Recognized Statutory Holidays (University Closed) 5

Admission, Registration and Fees 7
Applications for Admission 7
Application Deadlines 7
Deadlines to Apply for Fall 2014 7
Types of Admissions 7
Wait List Policy 8
Admission – General Policy 8
English Language Proficiency Requirements 10
Use of the Personal Education Number 10
Registration Priority for University Degree and University Preparatory Programs 10
Tuition and Fees 11

International Students 14
International Student Support 14
International Student Fees 14
International Students in Co-op Programs 15
Homestay Program 15

Student Academic Policies, Regulations and Procedures 16
ED 9-1 Academic Achievement Awards 16
ED 5-0 Academic Integrity 16
ED 3-4 Academic Recognition 18
ED 4-0 Academic Appeals 19
ED 3-10 Academic Renewal 19
BRD 14-0 Cancellation of Classes 20
ADM 2-2 Confidentiality of Student Information 20
ED 17-0 Convocation 21
ED 3-3 Course and Program Repeaters 22
ED 3-6 Course Conflicts 22
ED 8-3 Course Outlines 23
ED 8-1 Credit and Non-Credit Courses 23
ED 7-0 Suspension of Students 23
ED 2-2 Directed Studies, Service Learning and Research Learning Courses 24
ED 16-1 Double Programs - Degrees and Diplomas 24
ED 8-0 Educational Standards in Credit Courses & Programs 24
ED 3-9 Examinations 25
Faculty Office Hours ADM 14-1 26
ED 2-0 Prior Learning Assessment and Recognition 26
ED 3-2 Satisfactory Academic Progress 28
BRD 10-0 Services for Students with Disabilities 28
ED 3-1 Student Attendance 29
ED 2-4 Transferability of University Credits 29
ED 1-3 Visiting Student Status 29
ED 3-7 Waitlist 30
ED 3-0 Withdrawals 30
Change of Address 30
Corequisites 30
Course Changes 30
Course Exemptions 30
Course Numbering and Definitions 30
Course Prerequisites 31
General Conduct 31
Grades - Calculation of Grade Point Average 31
Grades - Statement of Grades 31
Grading Systems 32
Graduate Programs 32
Undergraduate Academic/Career/Developmental Programs 32
Vocational Trades/Non-Trades Programs 33
Transcript Notations (all transcripts) 33
Student Classification 33
Student Complaints 34
Student Electronic Communications Regulations 34
Transcripts of Academic Record 34

Services for Students 35
General Information 35
Academic Advising 35
Assessment Centre 35
Counselling 35
Harassment, Bullying, and Discrimination Prevention 35
Math Help Centre 36
Office of Student and Judicial Affairs 36
Orientation 36
Services for Aboriginal Students 36
Services for Students with Disabilities 36
Student Awards & Financial Support 37
Student Employment Centre 37
Student Engagement 37
Student Housing 38
Student Success Courses 38
TRU Interfaith Chaplaincy 38
TRU Students' Union (TRUSU) 38
TRU Wellness Centre 39
Writing Centre 40
Campus Services 40
Athletics and Recreation 40
Board of Governors Meetings 40
Bookstore 40
Campus Card 40
Canada Post Mail Boxes 40
Cariboo Childcare Society 40
Environment and Sustainability 41
Facilities Services 41
Food Services 41
Health and Safety Department 41
Information Technology Services 42
Lost And Found 42
Outdoor Events 42
Parking 42
Print Shop 42
Security 42
Senate Meetings 42
Student Newspaper 42
TRU Alumni & Friends Association 42
TRU Foundation 42
TRU Theatres and Art Gallery 43
University Library 43

Faculty of Adventure, Culinary Arts and Tourism.... 44

Faculty of Arts..... 74

School of Business and Economics.....108

Faculty of Human, Social and Educational Development.....124

Faculty of Law.....144

School of Nursing 146

Research and Graduate Studies 153

General Admission Requirements..... 153
Program Specific Requirements..... 153
English Language Requirements..... 153
Admission with Special Consideration..... 153
Applying for Admission..... 154
The Admission/Acceptance Process..... 154
Admission Deferrals 154
Academic Status 155
Registration 155
Undergraduate Courses..... 155
Residency Requirements..... 155
Letter of Permissions 155
Course Changes..... 155
Updating Your Contact Information..... 155
Program Completion Times..... 155
Absences and Leaves of Absence..... 155
Academic Standing..... 156
The Graduate Work: Thesis, Project or Creative Work..... 156
Ownership of Data, Information, and Equipment..... 156

Faculty of Science 158

Faculty of Student Development.....209

School of Trades and Technology.....212

Williams Lake Campus 230

Community U: Continuing Education 237

Course Descriptions.....239

Course Descriptions-Alphabetic by Subject 239
ESAL and UPREP Courses..... 371

The TRU Calendar

The TRU Calendar is published online as a .pdf document available for download. As the calendar is published well in advance of the opening of the session, the University reserves the right to make any and all changes it considers desirable with regard to any matter set out herein, including the cancellation of particular courses and programs.

Moreover, once a program or course has commenced, the University will not be responsible in the event the program, or course is either cancelled or not completed as a result of a strike, lockout, fire, tempest, act of God or any other cause (whether similar or dissimilar to those enumerated) beyond the reasonable control of the University.

The University reserves the right to change or amend its fee structure, policies and regulations at any time from those published in this calendar or elsewhere.

If you notice an error, please bring it to our attention by sending us a detailed email calendar@tru.ca.

The TRU Calendar is updated once per year, the latest version is the online version. A printed copy is available for purchase through TRU Print Services.

Editor
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Cover Photo
Marketing & Communications Department, TRU

Academic & Important Dates 2014/2015

Semesters

Campus-based Academic, Career/Technology, and University Preparatory programs operate on the following semesters

Fall Semester	Winter Semester	Summer Semester
September to December	January to April	May to August

Some programs have start and end dates which are different from the semester dates outlines above.

Term	Fall	Winter	Year Courses (F/W)	Spring Summer		
				SS1	SS2	SS3
Start of Term	September 2, 2014	January 5, 2015	September 2, 2014	May 4, 2015	June 22, 2015	May 4, 2015
End of Term	December 13, 2014	April 27, 2015	April 27, 2015	June 19, 2015	August 7, 2015	August 7, 2015
Class Dates						
Orientation Day	September 2, 2014					
Start of Classes	September 3, 2014	January 5, 2015	September 3, 2014	May 4, 2015	June 22, 2015	May 4, 2015
Mid-semester Break		February 16 - 20, 2015	February 16 - 20, 2015			
End of Classes and last day to withdraw from a semester program	November 28, 2014	April 10, 2015	April 10, 2015	June 12, 2015	July 31, 2015	July 31, 2015
Registration Dates						
Registration Opens	June 2014	June 2014	June 2014	March 2, 2015	March 2, 2015	March 2, 2015
End of Course Change Period (add/drop/audit, late registration)	September 16, 2014	January 16, 2015	September 16, 2014	May 8, 2015	June 26, 2015	May 15, 2015
Last day to withdraw from a semester course	October 31, 2014	March 6, 2015	January 23, 2015	May 29, 2015	July 17, 2015	June 26, 2015
Exams & Grades						
Start of Examinations	December 1, 2014	April 13, 2015	April 13, 2015	June 15, 2015	August 4, 2015	August 4, 2015
End of Examinations	December 13, 2014	April 27, 2015	April 27, 2015	June 19, 2015	August 7, 2015	August 7, 2015
Deadline for Faculty to Submit Semester Grades (as per Policy ED 3-11)	December 19, 2014	May 4, 2015	May 4, 2015	June 26, 2015	August 14, 2015	August 14, 2015
Tuition & Refund Dates						
Due date for tuition and fee payment	August 29, 2014	November 28, 2014	August 29, 2014	May 1, 2015	May 1, 2015	May 1, 2015
Deadline for International Students to pay term fees	Fees due prior to registration	October 31, 2014	Fees dues prior to registration	March 2, 2015	March 2, 2015	March 2, 2015
End of 100% refund period (minus commitment fee or tuition deposit)	September 16, 2014	January 16, 2015	September 16, 2014	May 8, 2015	June 26, 2015	May 15, 2015

Important Dates

Deadline to apply to graduate for Fall Convocation	July 31, 2014
International Student Orientation - Fall	August 26 – 29, 2014
Deadline for program advisors to submit lists of eligible graduates for Fall Convocation	September 12, 2014
Fall Scholarship & Bursary Application Deadline	September 19, 2014
Fall Convocation - Kamloops	October 10, 2014
International Student Orientation - Winter	January 2, 2015
Winter Scholarship & Bursary Application Deadline	January 16, 2015
Deadline to apply to graduate for Spring Convocation	March 31, 2015
Deadline for program advisors to submit lists of eligible graduates for Spring Convocation	May 13, 2015
Spring Convocation - Kamloops	June 10, 11, 12, 2015

Recognized Statutory Holidays (University Closed)

Labour Day	September 1, 2014
Thanksgiving Day	October 13, 2014
Remembrance Day	November 11, 2014
Winter Break	December 25, 2014 – January 1, 2015
BC Family Day	February 9, 2015
Campus Wide Professional Development Day	February 18, 2015
Good Friday	April 3, 2015
Easter Monday	April 6, 2015
Victoria Day	May 18, 2015
Canada Day	July 1, 2015
British Columbia Day	August 3, 2015
Kamloops Campus Closure	August 23, 2015

[redacted]

Admission, Registration and Fees

Applications for Admission

You can apply for Admission to TRU two different ways:

1. On-line: https://applybc.ca
2. Paper: You can download the application from http://www.tru.ca/admissions/apply.html or request a paper copy by emailing admissions@tru.ca or calling 250.828.5036

Once you submit your application form, you must pay the application fee and submit all supporting documents required for your program to the TRU Admissions office. This includes high school and post-secondary transcripts (if applicable). For detailed information on program application requirements, visit http://www.tru.ca/admissions/apply/forms.html

All documents provided as part of the application for admission become the property of Thompson Rivers University. If you have irreplaceable documents, this must be clearly indicated at the time of submission and will be subject to verification.

We will send you confirmation that your application has been received along with a request for additional information if required for your application.

Application Fee
The application fee is $27.03. If you do not submit the application fee electronically with your on-line application, you must send it to TRU Admissions. Your application is not processed until this fee has been received.

Application Deadlines

When to Apply

Students may start to apply on October 1 for programs starting the following September. Apply to TRU on-line at www.tru.ca/apply.

Deadlines to Apply for Fall 2014

Program	Kamloops	Williams Lake
Early Application	March 1	Open
Regular Deadline	April 30	Open
Final Deadline	September	Open
Program Specific		
Nursing	January 15	June 30
Social Work	Early: January 31 Final: April 25	
Law	February 1	
Journalism	Early: February 15 Regular: April 30	
Animal Health Technology	February 15	
Education	February 15	
Engineering Transfer **Natural Resource Science**	March 1	
Respiratory Therapy **Interdisciplinary Studies**	March 31	
Tourism	Fall: April 15 Winter: November 30	
Computing Science	April 15	
Fine Arts/Visual Arts	April 30	
Trades	Application opens on October 1. Admission is based on first qualified, first admitted process	Year Round

Some diploma and certificate programs will have varying application deadlines. For detailed information visit www.tru.ca/admissions.

Programs will remain open until it has reached capacity. Information on available programs will be updated at www.tru.ca/admissions.

Apply Early: Students from all over BC and across Canada are now applying or admission. This makes applying early all the more important, as many programs have a limited capacity.

Types of Admissions

Open Admission:
Admission decisions are made on a first-applied, first-admitted basis for qualified applicants, using the date by which the application was received. The programs that offer Open Admission are first-year entry into Arts, Science, and Business degrees. Students who apply while still in Grade 12 will be given conditional admission.

Limited Admission:
Admission decisions are made on a first-applied, first-admitted basis, using the date by which applicants have met all of the admission requirements. There are a limited number of spots available in the program and the admission process may include an admission interview, questionnaires, pretesting, orientations, and letters of reference.

Once students are determined to be qualified, they will be offered admission and have 21 days to accept the offer by payment of the Commitment Fee. Most one-year certificate programs and some two-year diplomas are limited admission programs. Once all seats are

filled, qualified applicants will be placed on a wait-list.

Selective Admission:
Competitive programs where there are a limited number of seats, a pre-determined application deadline after which all applications are reviewed. Applications will be assessed using criteria that may include admission average standing, an interview, questionnaires, pre-testing, and letters of reference. Following the assessment, offers of admission will be made to selected students.

Wait List Policy

New and returning students who apply for admission but are wait-listed and wish to be considered for the next intake must reapply for admission. Wait lists are not maintained following commencement of programs.

Admission – General Policy

Basic Requirements

The basic requirements for admission to most TRU programs include:

- Completion of BC Grade 12 (or equivalent) or Mature Student Status
- BC English 12/English 12 First Peoples (or equivalent) – Grade required varies from 67%-80% or LPI Test Levels vary from 3-5
- Applicants must be at least 17 years of age to attend campus-based courses.

Along with basic requirements, students will need specific high school course requirements set by each program. Detailed admission requirements for each individual program are provided in this calendar under the program descriptions.

TRU strongly recommends that students complete as many Grade 12 academic courses as possible.

Out-of-Province: The basic requirement to apply to TRU is proof of high school graduation, with the equivalent of BC English 12/English 12 First Peoples. Applications from all provinces/territories are treated equally.

Admission for Current Secondary School Students

Current secondary school students who wish to make early application for a Fall semester program must forward an interim statement of grades either directly to the Admissions Office or through the BC Ministry of Education.

Submission of an interim statement of grades must be submitted at the time of application. A final transcript must be submitted directly to the Admissions Office or through the BC Ministry of Education by August 1. Students are asked to provide their PEN ID number on their application for admission and to identify TRU when requesting your high school transcript from the Ministry of Education.

TRU will not hold seats for students writing August government exams who wish to begin in September.

Admission for Current Secondary School Students

Grade 12 "Advanced Registration Priority" Admission (ARP)

- Students who apply to TRU between October 1 and March 1 may apply for ARP.
- ARP applies to first-year University BA, BBA, BCS, BSc, BTM applicants.
- Students must provide official interim transcripts to the TRU Admissions Office showing a B (73%) average or higher in Grade 11 and 12 courses, at least one must be a Math, Science or Language course.
- For BUSINESS and TOURISM: One of the three additional courses must be Math.
- For SCIENCES: The three additional courses must be Math, Chemistry and either Biology or Physics
- Students must supply a final Grade 11 transcript and an interim Grade 12 transcript between March 15 and April 30 for Advanced Registration Priority.

General "Open Admission" to first-year University

- Grade 12 Graduation (or mature student status)
- English 12/English 12 First Peoples with a minimum of 73% or LPI Test Level 4
- Students must meet specific course requirements to register in English, Science, Business and Tourism courses.

Grade 11 Early Admission to First-Year University

- Early Admission applies to Open Programs (Arts, Science, or Business) Between May 1, 2014 and June 15, 2014 students in Grade 11 will be given an opportunity to apply for "Early 2015 Admission" and be eligible for early registration based on a B (73%) average in English 11 and three additional Grade 11 academic courses.
- Students must provide an interim Grade 11 transcript.

General "Open Admission" to First-Year University

- Grade 12 Graduation (or mature student status)
- English 12/English 12 First Peoples with a minimum of 73% or LPI Test Level 4

Students would not be required to meet specific GPA requirements, but still must meet specific course requirements to register in English, Science, Business and Tourism courses. Registration priority, based on date of application, will be assigned AFTER students admitted in a) and b) above.

Admission from Secondary Schools which are not Accredited Provincially

Secondary school students who request admission to TRU and who do not possess certification from a provincially-accredited program may be required to:

1. Demonstrate Grade 12 equivalency by writing a general admission test such as the Accuplacer Entry Assessment or complete the GED.
2. Demonstrate proficiency in specific program or course prerequisites by:
   a. Writing Grade 12 BC provincial exams in required courses. (The mark obtained will represent 100% of their grade), or
   b. Completion of equivalent TRU UPREP courses.
3. Perform at the appropriate prerequisite level on the Accuplacer Entry Assessment for vocational programs.
4. Write the Language Proficiency Index test and perform at a level specified by program.

Advanced Placement (AP) and International Baccalaureate (IB) Programs

Students who have successfully completed AP/IB courses can use these courses for admission to TRU and may be eligible to receive credit toward their TRU Program.

AP: A grade of 4 or better is required.

IB: A grade of 5 or better on higher level courses is required.

Students seeking advanced placement in chemistry can take organic chemistry (CHEM 2120/CHEM 2220) during the first year; however, they cannot take Chemical Applications of Spectroscopy or Physical Chemistry (CHEM 2150/CHEM 2250) during the first year unless they have successfully completed the AP calculus B.C. course.

Admission of Transfer Students

Students who have completed studies at other postsecondary institutions can apply for admission. Prerequisites can be considered at the high school or the postsecondary level. Students must provide transcripts from all postsecondary institutions attended.

Dual Admissions

TRU has dual admission agreement with some colleges that allow students to be admitted to the college and TRU, at the same time. Dual admission is for university transfer students in Arts, Science, or Business at specific colleges. For details on colleges and degrees where Dual Admissions options are available visit www.tru.ca/admissions/apply/dual

Admission of Mature Students

Any applicant of at least 19 years of age with a minimum of two years out of school who is lacking requirements for a program or course will be considered for mature student admission status. Although the grade level requirement (grade 10, grade 12, etc.) will be waived for students classified as mature, individual course prerequisites listed for the program or course being applied for must be met.

Any applicant less than 19 but a full year out of school will be assessed individually. Such an applicant may be required to make up courses before being admitted to a program. All applicants applying for Mature Student Admission status are urged to seek assistance from an Academic Advisor.

International Students

Students from outside of Canada are eligible to attend TRU providing that they meet academic and English language requirements and also possess a valid student Study Permit. Entrance requirements, start dates and fees will vary according to the program of study. International students who are interested in studying at TRU should contact the Admissions Office for full details.

Application Process

To apply to Thompson Rivers University, international students should follow these steps:

- Complete an Application for Admission form online or paper at www.tru.ca/admissions/apply
- Enclose a $100 non-refundable Application Processing Fee.
- Enclose an official copy of all high school and post-secondary transcripts. If needed, documents must be translated by a notarized translator. Students must disclose and submit transcripts for all post-secondary institutions attended. Submitted transcripts become the property of TRU and will not be returned to students unless a request is made at the time the transcripts are submitted.
- Arrange for Language test scores to be sent to the Admissions Office. It is strongly recommended students provide language test results at the time of admission to assist with advising and to improve course selection options.

After receiving this information, TRU will send the student a preliminary acceptance letter indicating the conditions of the acceptance and the steps to follow to obtain the final acceptance letter to TRU.

International General Admission Requirements

All international applicants must:

- Be 17 years of age or older on arrival
- Have a formal letter of admission from TRU and a valid Study Permit from the Government of Canada
- Possess valid and adequate medical insurance coverage
- Meet the admission requirements as specified for the intended program of study

University Preparation

Prospective students who are missing requirements for admission to a program or a course prerequisite may be eligible to take requirements through the University Preparation Program (UPrep).

General Requirements

1. At least 17 years of age and one year out of school
2. Canadian citizen, permanent resident, or study permit

**Academic Advising interview recommended*

For detailed information visit www.tru.ca/hse/uprep

Transfer Credit

Academic transfer credit is assessed by the Registrar's Office at the time of Admission and once official transcripts have been received. For vocational and career technical programs the Department Chair evaluates, on request, official transcripts for work completed at another post-secondary institution and grants transfer credit towards programs.

Transcripts submitted to TRU from other postsecondary institutions become the property of TRU and will not be returned to students. In exceptional cases, transcripts from other postsecondary institutions may be returned provided the request is made at the time the transcripts are submitted to the Registrar's Office.

English Language Proficiency Requirements

Approved English Language Proficiency Tests & Acceptable Results

The following represents the minimum requirements. Faculties, schools, or programs may require higher results.

TRU Placement	TOEFL		IELTS	MELAB	CanTEST	CAEL
	Internet-Based	Paper-Based				
Direct entry to academic programs	88+ with no section below 20	570+ TWE 4.5+	6.5+ with no bands below 6.0	81+	4.5+ with no component score below 4.0	Overall 70+ No subtest below 60
Direct entry into Level 5 ESL	80+	550-569 TWE 4.0+	6.0+ with no band below 5.5	77+	4.0+ with no component score below 4.0	Overall 60+ No subtest below 50
Direct entry into Level 4 ESL	71+	530-549	5.5+ with no band below 5.0	74+	4.0+ with no component score below 3.5	Overall 50+ No subtest below 40
Direct entry into Level 3	61+	500-529	5.0+	69+	3.5+	Overall 40+

**Language proficiency test results are only valid for two years after the date the test results are released.*

If a student does not meet the requirements listed above, it is recommended that the student write the TRU English Placement Test (EPT) to determine the appropriate placement in the Academic English as a Second or Additional Language Program (ESAL).

Students enrolled in Levels 4 & 5 of the ESAL are permitted to take one academic course and one student success course concurrently with the ESAL courses. Successful completion of the program indicates that the student has met the University's English Language Proficiency requirement.

Note: The Language Proficiency Index (LPI) test is available to meet the English 12 prerequisite and is not considered an accepted test for the assessment of English Language Proficiency.

Use of the Personal Education Number

Student personal information contained on the Application Form will be used to verify your Personal Education Number (PEN) or assign one to you. The main uses of the PEN will be for measuring participation in post-secondary education and for student registration purposes. As well, the PEN will be used for program research and evaluation, but any personal information disclosed for these purposes will be in non-identifiable form. These uses have been reviewed and approved by the Information and Privacy Commissioner. Students are required to supply this information to complete their registration in courses or programs at the institution.

If you have any questions about the use of PEN, please contact the Privacy Officer at TRU.

Registration

Registering in Courses

Once admitted, students will be provided with information on how to register in courses. This typically occurs in June.

Course registration is completed online through myTRU at mytru.tru.ca. Detailed information on how to register in courses is available at www.tru.ca/registration.

Admission to the university does not guarantee course selection. It is strongly recommended that you apply early to ensure the best chance of course selection.

Registration Priority for University Degree and University Preparatory Programs

Registration appointments are assigned in the following priority order:

1. Continuing year 4 students are assigned registration priority dates in descending (highest to lowest) order by student's previous combined Fall/Winter GPA. New and returning year 4 students ranked in order of application date.
2. Continuing year 3 students, with assigned registration priority dates in descending (highest to lowest) order by student's previous combined Fall/Winter GPA. New and returning year 3 students ranked in order of application date.
3. Continuing year 2 students with a GPA of 2.00 or better, with assigned registration priority dates ranked in descending (highest to

lowest) order by the student's previous combined Fall/Winter terms GPA.

4. Continuing year 1 students with a GPA of 2.00 or better, with assigned registration priority dates ranked in descending (highest to lowest) order by the student's previous combined Fall/Winter terms GPA.
5. Continuing University Preparatory students with a GPA of 2.00 or better, with assigned registration priority dates ranked in descending (highest to lowest) order by the student's previous combined Fall/Winter terms GPA.
6. New and returning year 2 students ranked in order of application date.
7. Advanced Registration Priority students who have submitted interim grades with a 3.0 grade average or higher, ranked by GPA.
8. Grade 11 Early Admission students who have submitted interim grades by the application deadline.
9. New and returning year 1 students, ranked in order of application date.
10. New and returning University Preparatory students, ranked in order of application date.
11. Continuing year 2 students with a GPA of less than 2.00, assign registration priority dates ranked in descending (highest to lowest) order by the student's previous combined Fall/Winter terms GPA.
12. Continuing year 1 students with a GPA of less than 2.00, assign registration priority dates ranked in descending (highest to lowest) order by the student's previous combined Fall/Winter terms GPA.
13. Continuing University Preparatory students with a GPA of less than 2.00, assign registration priority dates ranked in descending (highest to lowest) order by the student's previous combined Fall/Winter terms GPA.
14. Late applicants to TRU.

Year Levels

The thresholds of the credits needed to move to the next year are:

Year 1	0 - 23 credits
Year 2	24 - 53 credits
Year 3	54 - 83 credits
Year 4	84 - to completion credits

Registration - Student Responsibility

Students are responsible for the accuracy of their registration in courses and enrolling in courses in which they meet all course prerequisites and co-requisites. Included in this responsibility is the official recording of all changes in course registration as well as changes to address or telephone number.

Summer Session

TRU offers a broad cross-section of courses in Summer Session, in both Kamloops and Williams Lake. Most courses run for seven weeks instead of the normal thirteen weeks, so you can complete your studies in Summer Session in a shorter period of time. It's a great way to catch up or to get ahead in your studies. Classes tend to be smaller and students generally find summer studies to be a very positive experience. For more information visit: www.tru.ca/summer

Tuition and Fees

Payment of Fees

Programs Assessed Fees on a Per Credit Basis:

(Fall Semester)

Academic

a. Students are required to pay a $300 tuition deposit ($1200 for International students) prior to registering or being wait-listed for the Fall Semester. The tuition deposit will be applied toward Fall tuition with the balance due by the last Friday in August.

b. The deadline for payment of the balance of Winter Semester fees is the last Friday in November.

c. Students whose fees have not been paid by the applicable deadline or who do not have a fee deferral or sponsorship in place, may have their registration cancelled and their space made available to students in the following order of priority:

d. wait-listed students

e. new registrants from the late applicant group

f. Students whose registration has been cancelled and wish to be reinstated will be assessed a reinstatement fee of $156. The deadline for reinstatement is November 30for the Fall semester and April 1 for the Winter semester. Should either of these dates fall on a weekend/statutory holiday, the deadline will default to the next business day.

Career/Technical & Some Degree Programs

1. New students - a $500 commitment fee (to be applied to your Fall tuition) must be paid within 21 days of the date of billing following admission to the program. Fee deferrals are not available. Should the commitment fee not be paid within the 21 day period, the student's offer of admission will be cancelled and the seat will be offered to the next student on the wait list. Students who do not pay within the 21 day period may register in the program at a later date if seats remain available.
2. Second and third year students - full fees are due and payable on or before the last Friday in August unless a fee deferral or sponsorship has been arranged.
3. Winter semester fees are due on the last Friday in November.
4. A fee deferral may be available in accordance with the fee deferral procedure.
5. If fees are not paid or a deferral or sponsorship arranged by the above deadline, students may have their registration cancelled and those spaces will be made available to subsequent registrants in the following order of priority.

i. wait-listed students

ii. new applicants

6. Students who wish to be reinstated will be required to pay a $156 reinstatement fee in addition to regular tuition. The last day for reinstatement is November 30, 2014 for the Fall semester and April 5, 2015 for the Winter semester

(Summer Semester Registration)
Full fees are due and payable as indicated in the summer course brochure. Should the above terms not be met, registration will be cancelled.

Trades Foundation
A $500 Commitment fee (to be applied towards your total fees owed) must be paid within 21 days of receipt of the Commitment fee notice to guarantee your seat in your program of study. The total amount of fees owed is based on the overall length of your program of study with billing being processed as follows:

Trades: Programs 7 months or less in length must pay their fees in full upon billing due date.

Trades: Programs 8 months or longer will be billed in full and must pay their fees either in full or in two installments due on the dates stipulated.

Apprenticeship
Full fees must be paid 60 days prior to the start of the program.

Special Status Fee Payers

Senior Citizens
Senior citizens (age 65 years or older) may enrol in a course and be assessed no tuition fees if they are not displacing a fee paying student. All other non-tuition fees including Student Union fees will be assessed.

Auditors
Auditors are required to pay all fees and charges. See definition of Auditor under Student Classification (on page 33).

Tuition Fee Waiver
Waivers apply to TRU staff, faculty and administration, or eligible family members. Fees must be paid first, then students will be rebated the tuition portion of their fees if they are not displacing a fee paying student. All other non-tuition fees including Student Union fees will be assessed. The Tuition Fee Waiver must be applied for each semester. http://www.tru.ca/finance/forms.html Tuition Waiver

Additional TRU Fees
All TRU students, other than those enrolled only in courses through the Open Learning Division, must, as a condition of enrolment at TRU, pay the Ancillary Fee, the Athletic and Recreation Fee, the Comprehensive University Enhancement Fee, Building Fund Fee and applicable Lab/Studio Fees.

Fee Payment Methods
myTRU: login to your account and use the "Make a Payment" option (Visa, Mastercard, American Express, and Discover)

Online Banking: Your TRU student number is your account number. Visit your financial institution for further details.

In person – payments can be made by cash, cheque, money order, debit card, Visa, MasterCard, American Express or Discover. Campus Cashier is located in Old Main, Room 1614.

Telephone – payments can be made over the telephone using Visa, MasterCard, American Express or Discover by calling 250-371-5646 during regular business hours

Sponsorship letter from sponsoring agency
For more information on Tuition Sponsorships, visit www.tru.ca/finance/tuition_sponsorship

Registration is not complete until all fees are paid.
All refunds are subject to Fee Refund Policies.

Fee Refund Policies
A signed official withdrawal form and the student's copy of the registration data form must be returned to the Registrar's Office before a refund is processed. Refunds will be determined based on the date a signed official withdrawal is received.

Semester Based Programming

a. Withdrawal prior to or during the first or second week of instruction will be subject to a 100% refund of fees less the tuition deposit paid.

b. Withdrawal after second week of instruction—no refund.

Monthly Programming - Trades Foundation Programs

a. Withdrawal a minimum of 30 days prior to the start of the program will result in a $200 partial refund of the $500 Commitment fee paid.

b. If the withdrawal takes place less than 30 days before the start of the program, no portion of the Commitment fee will be refunded.

c. If the withdrawal takes place within 14 days of the start of the program, a full refund of fees less the $500 Commitment fee will be provided.

d. If the withdrawal takes place after 14 days into a 7 month or less program, no refund of fees paid will be provided.

e. If the withdrawal takes place after 14 days into a 8 month or longer program, no refund of fees for the first term will be provided.

Apprenticeship Programs

Any withdraw that occurs a minimum of 30 days prior to the start of your class will receive a full refund. Any withdraw that occurs taking place less than 30 days before the start of class or after the start of class will result in the loss of the full fees paid.

Extension Services Programming

To receive a refund, you must withdraw one week prior to the start of the course. If the course falls on a Saturday or Sunday, the withdrawal must be done the previous Friday.

Medical Withdrawal

Semester Based Programs:

Students who completely withdraw from all courses for medical reasons before the last day of class may be eligible for a medical withdrawal. A medical certificate or other documentation from their doctor must be received at the time of the withdrawal for a medical withdrawal to be considered. A medical withdrawal provides an 80% refund of the tuition fees only. Students who complete all course requirements, including writing the final examination, are not eligible for a medical withdrawal.

Monthly Programs:

For those programs assessed on a monthly basis, students will be refunded the portion of tuition paid but not used.

Administrative Charges (subject to change)

Application Processing Fee
All applicants to TRU must pay the $27.03 application fee. This fee must accompany the application for admission.

Duplicate Credentials
For each duplicate credential there is a fee of $60.08 (tax included). Details available under “Grades, Transcripts & Graduation” at www.tru.ca/registration

Duplicate Income Tax Receipts
For each duplicate income tax receipt requested there is a $5.20 fee.

Grade Appeals
For each appeal $26.52

Library Overdue Fines

- One dollar per hour for a two hour loan on reserves
- Two dollars per day for overdue reserve materials, videos or interlibrary loans
- Fifty cents per day for all other overdue library materials
- Ten dollars per day for laptops

NSF Cheque Fee
A $25 NSF Cheque Fee will be charged on all dishonored items.

Reinstatement Fee
A Reinstatement Fee of $156 per semester will be assessed to all students who have not paid their fees by the deadline and who want to be reinstated.

Transcript Fees
Transcripts can be requested online through myTRU or using the Request for Transcript form available from the Registrar's Office. The cost is $5.20 per copy. Details available under “Grades, Transcripts & Graduation” at www.tru.ca/registration

International Students

International Student Support

Thompson Rivers University currently has more than 20 staff members who provide special support to international students. These include International Student Advisors who arrange for homestays, airport reception, student orientation, and provide ongoing support throughout the student's stay at TRU, the Admissions Officers who work closely with students to ensure they receive the necessary application and acceptance information and documentation, and Academic Advisors who assist students with program planning and course selection. As well, our Activities, Events, and Housing Manager oversees optional activities for international students throughout the semester.

For a detailed listing of all Support Services available to TRU students, see pages 38 – 43.

International Student Fees

The tuition and fees applicable to international students for undergraduate Academic, Career/Technical and Developmental programs are available online at ww.truworld.ca/internationalstudents/datefee Materials fees may be assessed where applicable.

General Fees:

A general fee to cover U-Pass, student union, CUEF, University activity and building levy fees will be added to the tuition amount for each semester.

For full details of international student fees, please refer to TRU World Website www.truworld.ca

International students are required to be enrolled in a full-time program of study. Tuition fees will not be prorated for students choosing to take less than a full program. Exceptions will be made for students who are in their final semester of their degree, diploma or certificate program and require fewer courses for completion.

During the summer semester, fees will be assessed on a per credit hour basis.

If an international student's status changes to that of a Permanent Resident status on/after the first day of classes in a semester, the change in tuition fees will occur the following semester. Students must provide documentation to support the status change.

TRU reserves the right to change fees and policies without notice.

Additional Fees

Co-op Fees:

The Co-op Work Term tuition for students is calculated at 40% of the student's full-time per semester tuition fee.

Material/Lab Fees

Where applicable to specific courses, students will be assessed lab/materials fees.

In addition, students are also responsible for such expenses as medical insurance coverage, textbooks, housing, meals, recreational and transportation costs.

Refund Policy (under review and is subject to change)

Students should familiarize themselves with TRU's refund policy prior to submitting payment for their studies.

International students who:

- Withdraw prior to the start of instruction will receive a 50% refund of tuition and general fees invoiced.
- Withdraw in the first or second week of instruction will receive a 25% refund of tuition and general fees invoiced.
- Withdraw after the second week of instruction will receive no refund of tuition and general fees.
- Withdraw due to a failure to obtain a student permit prior to arrival at TRU will be entitled to a refund of tuition and general fees invoiced less a $200 administration fee. Students must notify TRU in writing and provide documentation prior to the start of the semester (the original letter from the Canadian Embassy stating the reasons the visa was denied is required - no photocopies or faxes are accepted). Total non-refundable including application fee is $300.
- Wish to defer the start of their first semester of study to a future semester may do so only twice and up to a maximum of one calendar year (i.e. a student accepted to the fall semester may defer until the next fall semester but not beyond). Once the deferral has expired, students will receive a 50% refund of tuition and general fees invoiced and will need to re-apply for admission if they wish to commence studies at a later date. Deferral must be requested in writing and sent to iapply@tru.ca prior to the start of the semester. Once instruction begins policies (b) and (c) above apply.
- Withdrawal for Medical Reasons - Apart from the policy outlined for international students, there is no provision for a medical refund outside this policy. Students who are required to withdraw for medical reasons are encouraged to visit their Academic Advisor and fill in a "Complete Program Withdraw Form". This allows students to withdraw from a course or program without obtaining a "DNC - Did Not Complete" on their academic record.

Medical Insurance

All students must have adequate medical coverage while studying at TRU. If a student does not have adequate medical insurance, it must be purchased prior to course registration.

International Students in Co-op Programs

International students may apply for the co-op option in their program of study if they meet the academic requirements for the particular program. Students are expected to maintain a good academic standing in their program in order to be considered for co-op.

International students who wish to participate in a co-op programs, must obtain a Social Insurance Number (SIN) and a work visa from Canada permitting them to work as a co-op student. The Co-op and TRU World assist international students with proper documentation after admission to the co-op program.

English Language Pre-Requisite for Academic Study

Students may be required to do some upgrading in the English language prior to beginning their academic study. Students who do not provide language test results as part of their application for admission are requested to complete an English language assessment test when they arrive.

Students admitted into an Academic, Career, or Vocational program who score the appropriate level on the English Placement test, will be recommended for direct entry into their program of study.

At the more advanced levels of the ESAL program (Levels 4 & 5), students may begin academic work in combination with their English as a Second or Additional Language courses. In normal circumstances, all second language training should be completed prior to undertaking full-time post-secondary study.

ESAL Level 5 courses (ESAL 0570, ESAL 0580) are pre-requisite courses for first year university English courses. Students at this level may be eligible to take up to three academic courses in addition to their ESL courses. For an up-to-date overview of the program, visit the program website.

English as a Second or Additional Language Certificate Programs

Students can earn one ESAL Core certificate and one or more ESAL Bridging certificates by completing a specific set of courses for each option. Students must apply for their certificate once they complete the necessary courses or the program.

Homestay Program

International students are encouraged to participate in the homestay program for at least the first semester of study. Homestay is an excellent way for a student to get settled, learn about Canadian culture and practice the English language. The family provides the student with a private room and three meals a day, including a bag lunch. Arrangements are made through TRU World.

Student Academic Policies, Regulations and Procedures

For a detailed list of TRU policies and full regulations visit www.tru.ca/policy/allpolicy

ED 9-1 Academic Achievement Awards

Thompson Rivers University (TRU) is committed to recognizing the outstanding achievement of its students through the provision of medals, prizes, scholarships, and awards.

- Medals are awarded for excellent performance in a program of study.
- Prizes are monetary or non-monetary awards that recognize outstanding performance in a course or program of study.
- Scholarships are monetary awards based on high scholastic achievement and, unless otherwise specified, are to be used for further study at TRU.
- Awards are monetary recognition of accomplishment or affiliation in a particular field. Financial need is not a factor.

Cancellations and Retractions

Any medal, prize, scholarship, or award may be withheld, reduced, cancelled or retracted for any of the following reasons: lack of suitable candidates, failure of the candidate to meet the required terms and conditions, behaviour unbecoming of a recipient, withdrawal from the institution, reduced income on invested funds or withdrawal of the award by the donor.

ED 5-0 Academic Integrity

Thompson Rivers University (TRU) students have an obligation to fulfill the responsibilities of their particular roles as members of an academic community. They are expected to be honest and forthright in their endeavors. Academic integrity is both highly valued and expected.

Apart from the responsibility of the student in not participating in an act of academic dishonesty, it is the responsibility of the TRU staff to take all reasonable steps to educate students regarding academic integrity and to prevent and to detect acts of academic dishonesty. It is an instructor's responsibility to confront a student when such an act is suspected and to take appropriate action if academic dishonesty, in the opinion of the instructor, has occurred.

REGULATIONS AND PROCEDURES

When an instructor suspects that academic dishonesty has occurred, the instructor will contact and advise the student concerned that an issue involving academic dishonesty is suspected. The instructor will schedule a meeting with the student and present in writing the allegations, suggested resolution, and the right to appeal. A student may choose to be accompanied by a peer to the meeting. A student has the right to an interpreter at any stage of this process. In the event that the instructor is unable to reach the student, the Chair and/or Dean will be asked to facilitate the contact. If a face-to-face meeting is not possible (eg. student is out of the region), the student will be notified in writing via email and registered mail. A response from the student must be requested.

1. If it is determined that academic dishonesty has not occurred, the case will be dismissed.

2. If academic dishonesty has occurred and the student accepts the resolution, the Chairperson will advise the Dean, who will forward the case information to the Academic Integrity Committee and to the Office of Student Affairs. If the student has previously committed academic dishonesty, the Academic Integrity Committee may be required to alter the resolution offered by the instructor. The Academic Integrity Committee will provide the student with information in writing about the allegation, the resolution and the process of appeal. The Office of Student Affairs, the Registrar's Office and the instructor will receive documentation of the case, the allegation and the resolution.

3. If the issue remains unresolved, the instructor will notify the appropriate Chairperson. The Chairperson will call a meeting with the student and instructor and recommend that the student contact the Office of Student Affairs for assistance and/or presence at the meeting.

4. If the Chairperson is satisfied that academic dishonesty has occurred and there is still no resolution, the case will be referred to the Dean. If the Dean is unable to resolve the case, the case is referred to the Academic Integrity Committee. Written submissions by both parties may be submitted. All submissions must be received by the Committee within seven days of the Dean notifying the student of the issue. The Academic Integrity Committee will receive and review all relevant documents and determine an appropriate resolution. The Committee may, at its discretion, request a meeting with the student and the instructor. To ensure procedural fairness, both parties must be consulted.

5. Upon receipt from the Dean of a case in which the student has accepted the resolution offered by the instructor, the Academic Integrity Committee will decide if the student has previously committed academic dishonesty.

6. The Committee will administer one of the resolutions listed below:

   I. No Sanction: In the event that the Academic Integrity Committee determines that dishonesty has not occurred, no sanction will be administered and the student's file related to the allegation will be destroyed.

   II. Reprimand: The Academic Integrity Committee forwards to the student a written warning, stating

that the student's behaviour is unacceptable to TRU. A reprimand is recorded in the Academic Integrity Data Base as a first offence, and may be used only once in a student's academic career at TRU.

III. Reduction of Grade: The student's grade may be decreased on an assignment, test or project.

IV. Other Reparations: The Academic Integrity Committee may, in consultation with the instructor, Chairperson and/or Dean recommend other reparations as deemed appropriate (e.g. essay related to topic, resubmission of assignment, etc).

V. Failure of Course: The student is assigned an "F". In the case of an "F", a student may not withdraw from the course nor receive a refund. An "F" will appear on the student's transcript.

VI. Repeat Offence: In the event that a student is found to be a repeat offender of the Academic Integrity Policy during his or her academic career at TRU, then the student will receive a failing grade for that course, and the Academic Integrity Committee may recommend to the President the suspension of the student from TRU.

7. Right of Appeal - As per Policy ED 4-0: Appeals, the student shall be informed of his or her right to appeal the allegation and/or the sanctions at the time that the student receives the notice of infraction and sanction by the Academic Integrity Committee.

8. Record of Decision – The Academic Integrity Committee will retain a record of decisions pertaining to the student for a period of 10 years after the last known contact with the student.

9. Education – The Academic Integrity Committee has a role to educate faculty on issues and standards relative to academic integrity. This may take the form of workshops, websites, guest speakers or attending faculty meetings to make presentations. The Committee will provide case scenarios and resolutions to assist faculty in determining appropriate actions.

10. The Academic Integrity Committee shall be comprised of the following members:

- One Faculty Member from each School or Faculty
- One Dean
- Two Undergraduate students
- One Graduate student
- One TRU World International Education representative – appointed by the Associate Vice President, International and CEO Global Operations
- One Open Learning representative – appointed by the Provost and Vice-President Academic
- One Library representative – appointed by the Library Director
- Manager, Student & Judicial Affairs (ex-officio, non-voting)

The Chair of the committee shall be a voting member of the committee nominated and elected by the Committee. The Committee will have the support of one secretary provided by the Office of Student and Judicial Affairs (to maintain records, minutes, database and other such files). The Secretary will set up all meetings and related duties.

FORMS OF ACADEMIC DISHONESTY

Cheating: Cheating is an act of deception by which a student misrepresents that he or she has mastered information on an academic exercise that the student has not mastered. Examples:

- Copying from another student's test paper or assignment.
- Allowing another student to copy from a test paper or assignments.
- Using the course textbook, electronic devices, or other material such as a notebook brought to a class meeting but not authorized for use during a test.
- Collaborating during a test with any other person by receiving information without authority.
- Using specifically prepared materials during a test (e.g. notes, formula lists, etc.).

Academic Misconduct: Academic misconduct is the intentional violation of TRU academic policies and procedures by tampering with grades, taking part in obtaining or distributing any part of an un-administered test, or by other means of academic deception not explicitly identified in other sections of this policy. Examples:

- Stealing, buying, or otherwise obtaining all or part of an un-administered test or document through the internet.
- Selling or giving away all or part of an un-administered test including answers to an un-administered test.
- Bribing any other person to obtain an un-administered test or any information about the test.
- Entering a building or office for the purpose of changing a grade in a grade book, on a test, or on other work for which a grade is given.
- Changing, altering, or being an accessory to the changing and/or altering of a grade in a grade book, on a test, a "change of grade" form, or other official academic records of TRU which relate to grades.
- Entering a building or office or otherwise viewing a test for the purpose of obtaining or examining an un-administered test.

Fabrication: Fabrication is the intentional use of invented information or the falsification of research or other findings with the intent to deceive. Examples:

- Listing sources in a bibliography not used in the academic exercise.
- Inventing data or source of information for research or other academic exercise.

- Submitting as one's own any academic exercise (e.g. written work, printing, sculpture, etc.) prepared totally or in part by another.
- Citing information not taken from the source indicated.
- Taking a test for someone, or permitting someone to take a test for the registered student.

Plagiarism: Plagiarism is the inclusion of someone else's words, ideas or data as one's own work. When a student submits work for credit that includes the words, ideas or data of others, the source of that information must be acknowledged through complete, accurate, and specific footnote references, and, if verbatim statements are included, through quotation marks or block format. By placing his/her name on work submitted for credit, the student certifies the originality of all work not otherwise identified by appropriate acknowledgements.
A student will avoid being charged with plagiarism if there is an acknowledgement of indebtedness:

- Whenever one quotes another person's actual words;
- Whenever one uses another person's idea, opinion or theory, even if it is completely paraphrased in one's own words; and
- Whenever one cites facts, statistics, or other illustrative materials from a published source or a lecture when that material is not considered common knowledge.
- Citing facts, statistics or other illustrative materials considered to be common knowledge is not considered plagiarism.

FINAL EXAMS

Role of the instructor
Because of the special relationship that exists between an instructor and his or her students, the basic responsibility for taking reasonable precaution to prevent academic dishonesty shall rest with the instructor or instructors in charge of a particular course or program. As well as maintaining the security of final examinations, the instructor must, of necessity, assume responsibility for taking all reasonable steps to detect academic dishonesty in all forms of course or program assessment in the courses or programs for which he or she is responsible.

Each instructor, subject to Policy ED 3-9: Examinations, Regulations II.2.a), is responsible for the invigilation of his/her scheduled exams, at the time and place indicated in the final exam schedule. Any additional invigilators that may be required are to be accessed by the instructor involved and their respective Chairperson.

Invigilators are responsible for taking reasonable precautions to prevent cheating in that examination. Invigilators must also check the room for possible security problems both before the students enter the room and again after the examination is complete.

ED 3-4 Academic Recognition

Dean’s List

Thompson Rivers University (TRU) recognizes full-time students who earn superior grades in an academic semester as "Dean’s List" students.

In programs that follow the Academic/Career/Developmental grading system, students who enroll in and successfully complete at least 15 credits during a semester, and who achieve a semester grade point average of 3.50 or better, are recognized as Dean’s List students for that semester.
In programs that follow the Vocational Trades/Non-Trades Programs or Competency-Based grading systems, students who enroll in and successfully complete a full course load during a specific study term, who meet appropriate performance standards and are ranked in the top 10% of the students in their respective programs, may be recognized as Dean’s List students.

GRADUATION WITH RECOGNITION

TRU recognizes students who complete certificate, diploma and degree programs with high academic performance as graduating with first or second class standing.

1. Students who complete the requirements for graduation from a TRU program with a GPA of 3.50 or better in all courses counted towards program requirements, or who have met appropriate performance standards and rank in the top 10% of their graduating classes in programs where program GPA measures are not appropriate, may be deemed to have graduated with First Class standing.

2. Students who complete the requirements for graduation from a TRU program with a GPA of at least 3.00 but less than 3.50 in all courses counted toward program requirements, or who rank in the top 25% but not the top 10% of their graduating classes in programs where GPA measures are not appropriate, may be deemed to have graduated with Second Class standing.

REGULATION

DEAN'S LIST

Dean's List students will be sent congratulatory letters by their respective Deans and will have the notation "Dean's List" posted on their transcripts at the end of each term in which they have met the relevant performance standard.

1. In programs that follow the Academic/Career Technical/Developmental Programs grading system:

   a. Once final grades are posted for a semester, the Registrar's Office will generate a Dean's List from the student records system and will provide the names and addresses of Dean's List students to the respective Deans.

   b. Programs that have full-time loads comprising fewer than 15 credits may, subject to approval by the Education Planning and Program Review Committee (EPPR) of Senate, elect to follow the procedures set out in (I) 2 below.

2. In programs that follow Vocational Trades/Non-Trades Programs or Competency-Based grading systems or that qualify under provision (I) 1.b above using semester end grades, it will be the responsibility of the respective Dean, in consultation with relevant Chairs, to identify the top

10% students and to notify the Registrar's Office of qualifying students at the end of each relevant program component.

GRADUATION WITH RECOGNITION

Students meeting the performance standards set out in this Policy will have the notation "Graduated with First Class Standing" or "Graduated with Second Class Standing", as appropriate, posted on their transcripts at the end of the respective program record.

For the purposes of determining eligibility for graduation with First or Second Class standing, all program GPA's will be calculated by dividing total grade points earned by total program credit attempts.

For programs in which GPA's do not provide appropriate indicators of program performance, it is the responsibility of the respective Dean, in consultation with relevant Chairs, to identify criteria and standards for graduation with First or Second Class standing and to file a statement of those criteria and standards with the EPPR.

Once a student has been approved for graduation from a TRU program, it will be the responsibility of the respective Dean to notify the Registrar's Office if that student has qualified for graduation with First or Second Class standing.

ED 4-0 Academic Appeals

Thompson Rivers University (TRU) recognizes that although most students experience no concerns regarding their education, some students occasionally experience problems with the interpretations of TRU policy or procedures by TRU staff. TRU encourages students and staff to resolve academic issues through discussion. When resolution is not reached, students may bring forward for formal review, matters that have not been resolved to their satisfaction. The formal review process concludes with a decision that is final and binding upon all parties. TRU recognizes the right of students to appeal:

1. Decisions on final grades (an appeal on a decision on a grade other than a final grade requires consent of the relevant Dean);
2. Decisions on the application of Senate policies, procedures and regulations as they relate to student academic performance; and
3. Perceived unethical conduct by TRU staff or other students.

Overview of the Appeal Process

1. In general, a student (the appellant) must complete the following steps to resolve an issue before they may initiate a formal appeal:

    a. Attempt to resolve the issue with the person with whom the issue originated (the respondent);
    b. If the issue is not resolved, attempt to resolve the issue with the person at the next highest level of responsibility (normally a Department Chair for campus courses or the Director of Program Delivery for Open Learning courses);
    c. If still unresolved, attempt to resolve the issue with the Dean/Director Williams Lake;
    d. If the issue remains unresolved, then the student may commence a formal appeal in accordance with the formal appeal procedures set out in this policy.
    e. If you are choosing to initiate a formal appeal, you must follow the steps outlined on the Academic Appeals Form. Only completed forms will be processed.

2. Formal appeals must be submitted to the Manager, Student and Judicial Affairs in writing, together with the approved fee, within 30 days of the decision or action that is being appealed. The submissions must take the form of the fully completed Academic Appeal Form accompanied by a letter or e-mail which shall state the nature of the appeal and a suggested resolution. The appeal fee will be refunded if the appeal is upheld and will be forfeited if the appeal is denied.

3. Once the Manager, Student and Judicial Affairs has determined that the required steps set out above in section I(1) and (2) of the Regulations above have been followed, he/she will request that a Hearing Panel be convened.

4. A Hearing Panel is convened to hear the appeal. A decision is provided in writing by the Hearing Panel with the reason(s) for its decision which is binding on both parties.

5. Within 14 days of receiving a Hearing Panel decision, either the appellant or respondent may make a final appeal of the process followed to the President. Grounds for such appeals shall be limited to failure to follow the process set out in this Policy and Regulations. Should the President find that the Hearing Panel did not follow the process set out in this Policy and Regulations, a new Hearing Panel with new membership will be convened to hear the student's appeal.

ED 3-10 Academic Renewal

The Academic Renewal policy allows a returning student to apply to the Registrar's Office for academic forgiveness of the prior cumulative grade point average. The policy is designed for undergraduate students who have gained maturity outside of higher education and have demonstrated acceptable academic performance following their return. The Academic Renewal policy is subject to the following regulations. This policy applies to all campus based courses and programs and does not apply to students in programs of the Open Learning Division of Thompson Rivers University.

REGULATIONS

1. Academic Renewal applies only to returning undergraduate students who had previously attempted 30 or fewer credits and have had an absence of at least three calendar years from any post-secondary institution (except to complete courses required for re-admission, if any).

2. Academic Renewal will affect the student's cumulative grade point average in all courses taken prior to the minimum three year absence. Only courses with an original grade of C- or better may count towards program graduation requirements. In all cases, program requirements must be met.

3. A minimum of 12 credits of graded courses with a grade point average of at least 2.0 must be completed after returning before an Academic Renewal may be requested of the Registrar's Office. For purposes of Academic Renewal, only credit (transcriptable) courses will be considered.

With the approval of the Registrar or designate, the student will be granted Academic Renewal. The student's transcript will remain a record of all coursework completed. Courses taken prior to the three or more year absence will not be used in computing cumulative grade point average. The transcript will have "Academic Renewal" noted on it at the end of the last semester counting towards the Academic Renewal.

Note: Academic Renewal is a policy of Thompson Rivers University (TRU) and may not be recognized by outside agencies or other institutions.

BRD 14-0 Cancellation of Classes

The Board of Governors believes that the instructional process is extremely important and views the unnecessary cancellation of classes as a very serious matter. In general, no cancellation of classes or any scheduled instructional activity should occur unless covered by relevant clauses in the current collective agreement or by policy governing leave. The only exceptions are where circumstances beyond the control of an instructor make it imperative that such a scheduled instructional activity be cancelled.

REGULATIONS

If an instructor must cancel any scheduled instructional activity (e.g. class, lecture, seminar, lab, etc.) these steps will be followed in all cases:

1. The instructor will notify the relevant department Chairperson and/or secretary or designate as soon as it becomes apparent he or she must cancel the scheduled instructional activity. Notification may be done in person or by telephone or e-mail. Where the Chairperson is not immediately available, a message for the Chairperson left with the department secretary or designate will be considered acceptable notice.
2. Students should be notified of the class cancellation.
3. Having notified the department Chairperson verbally, the instructor will complete a class cancellation report within 24 hours of cancellation or return to work (whichever comes first) and forward it to the Chairperson who will send a copy to the Dean.

ADM 2-2 Confidentiality of Student Information

Thompson Rivers University (TRU) regards the information contained in a student's permanent record as personal and private. Information of a personal nature that a student discloses to any TRU staff member is also considered private and confidential. Therefore, no personal information about a student will be released except in the following circumstances:

- to the student (including medical files) upon providing reasonable notice
- with the written authorization of the student;
- to a student's sponsoring agency only upon receipt of a written waiver signed by the student;
- in response to a court order;
- to government departments for the purpose of statistical analysis and research, provided there is an assurance of anonymity;

As well, employees should not discuss confidential student matters in such a way or location as to be overheard by other staff or students.

STUDENT DIRECTORY

A student's name, address and telephone number will be included in a student directory unless the student selects confidentiality on the application for admission form. A copy of this directory will be provided to the TRU Students Union only for the purpose of conducting its elections.

GENERAL

The Registrar is responsible and accountable for the administration of all student records retained by TRU except interim statements of grades and other interim student evaluations which may be held by individual instructors, departmental chairpersons and other university staff.

Official transcripts are to be issued in a sealed envelope by the Registrar's Office upon payment of a fee determined by TRU policy. The official transcript and any certificate or diploma issued by the university constitutes the only official statement made regarding students.

ACCESS TO STUDENT RECORDS

In general, only the Registrar and staff of the Registrar's office have unrestricted access to all student records, having according accountability. Other TRU staff may inspect student records if they have a legitimate need for specific information in order to carry out their responsibilities.

MEDICAL RECORDS

Student medical records are submitted to and maintained by the Occupational Health Office. Medical information is not released without appropriate approvals as described below.

Specific medical information may be released by the student, or by the Occupational Health Office to deans, chairpersons, instructors, or counsellors for students within their jurisdiction:

- upon written consent provided by the student to the Occupational Health Office; or
- in cases where the student's condition may be a threat to public safety.

The Occupational Health Office will advise, by letter or in person, all students with medical conditions which have the potential to be life threatening. The notification will:

- outline the benefits of the student advising faculty of their condition; and
- make available a "release of information" document for the student to give consent for the Occupational Health Office to release specific medical information to the chairperson or instructor of the specific department concerned.

TRANSCRIPTS

Transcripts of grades will be released:

- to a student only upon written request by that student;
- to a third party on behalf of a student only upon written approval by the student concerned;
- to TRU staff who require the transcript to do their job.

REQUEST TO LOCATE A STUDENT

All requests are to be referred only to the Occupational Health Office during work hours or to security after hours.

Under What Circumstances

When there is either a phone or personal request to locate a student, the request is responded to at the discretion of the Occupational Health Officer. Generally, there are four circumstances when an attempt is always made to locate a student. These are:

- in the event of a family medical emergency (e.g. death, serious illness, accident); or
- when the health or well-being of a student's child is affected; or
- when the RCMP present an arrest warrant; or
- in emergency cases, to pass a message to a student to contact the R.C.M.P., sheriff or other appropriate government agencies. The inquiring individual will be advised that the student has been given the message, or was unable to be located.

It is always explained that a student will be located only if they are physically present in class. If the student does not have a class, or is not present, location is not possible.

Method

If the message is urgent, the Occupational Health Officer will interrupt a class by:

- knocking on the door and excusing for the interruption;
- ask if the student is in the class;
- give the message to the student or in certain cases, e.g. writing an exam, leave message with the instructor to have the student visit the Occupational Health Officer for the message.

If there is an in-person request to locate a student in an emergency, the requesting person will normally accompany the Occupational Health Officer, and the above point (3) followed. The accompanying person is normally asked to stand in such a location so that they could not be seen when the door is opened.

REQUEST FOR STUDENT INFORMATION

TRU regards the information contained in a student's permanent record as personal and confidential.

Students are requested at the time of registration to indicate on the application for admission form (public/private) whether student directory information (name, address, phone number) may be released in the circumstances indicated below.

Private

External Inquiries: If the student indicates "private" then no information is to be released about the student without the student's written consent or a court order.

Internal TRU Staff Inquiries: Student information may be released to TRU staff only in cases where the staff member needs it to do her/his job.

Public

External Inquiries:

If the student indicates "public" on the application for admission, then the following information may be given out:

1. confirmation of enrolment only (no addresses, phone numbers or other information) will be given to general inquiries, bailiffs, lawyers, financial institutions and the like;
   - a copy of the student directory to the TRU Students Union for their election purposes;
   - to RCMP, unemployment insurance, and other government agencies: name, address and phone number only. (No course grade information will be released unless written consent of the student is provided.)
   - All other information about a student may only be released with either a student's written consent or a court order.

Internal TRU Staff Inquiries:

Student information may be released to TRU staff only in cases where the staff member needs it to do her/his job.

ED 17-0 Convocation

The university holds Convocation ceremonies in June and October of each year, and students who have completed all requirements for graduation in an undergraduate, graduate, or university preparation program are eligible to participate in the ceremony.

REGULATIONS

- Eligibility of Students to participate in the Convocation ceremony
- The student must be associated with a senate-approved certificate, diploma, or degree at the undergraduate, graduate or university preparation level.

- The student must have successfully completed all program requirements, including practicum assignments and field schools.
- Instructors must have submitted all marks for program courses to the Office of the Registrar at least five weeks prior to the Convocation ceremony.
- All transfer credit and Prior Learning Assessment (PLAR) must be recorded by the deadline to have marks submitted.
- Students who have any outstanding financial obligation to TRU at the point of program completion will not be permitted to graduate nor attend Convocation.
- Students will have the opportunity to attend the next scheduled Convocation once they have successfully completed all program requirements and the approval for eligibility to graduate has been received in the Office of the Registrar by the deadlines stated below.

Eligibility of Programs to participate in the Convocation ceremony
All programs that are Senate-approved leading to a certificate, diploma or degree will be eligible for approval to participate in Convocation ceremonies.

A student who has received a bachelor's degree and returns to complete only the requirements of the honours program in the same field as in the original degree, or the requirements in another major or honours field in the same degree, will not receive the degree again, nor a notation on the original parchment, nor be eligible to attend the Convocation ceremony.

Application for Convocation
Students must apply for graduation and attendance at Convocation by completing and submitting the appropriate form(s). The deadline for submitting an application to graduate and attend Convocation is March 31 for the June ceremony and July 31 for the October ceremony.

The name on the diploma will appear exactly as reflected in the University's official records. Individuals requesting a change of name on the parchment must submit original or notarized documentation to support a legal change of name and it must be submitted to the Office of the Registrar with or before the application to graduate and/or attend the Convocation ceremony. This includes the addition of a middle name.

Deadlines for Mark Submission and Program Requirement Completion to be eligible for inclusion in the Convocation ceremony

All course marks and credential requirements must be recorded as successfully completed at least five weeks prior to the Convocation ceremony. Deans and Program Advisors must approve students' eligibility to graduate at least four weeks before the Convocation ceremony.

In cases where approval for eligibility to graduate is received by the Office of the Registrar after the deadlines for Convocation, the student can request to participate in a subsequent Convocation ceremony within 12 months of the date of the approval of their eligibility to graduate. Credentials will be sent to the mailing address on file if all University financial obligations are satisfied. If a student has outstanding financial obligations to TRU, the credential and transcripts will not be released. When this occurs the student must contact the Office of the Registrar directly indicating when these obligations have been satisfied.

Notification Procedures for Program Participation in the Convocation ceremony
For new programs leading to credentials approved by senate, The Office of the Registrar will determine which ceremony the graduates will attend and notify the appropriate Dean's Office of the date and time. All related deadlines for Convocation will be applied to all programs.

ED 3-3 Course and Program Repeaters

In order to ensure maximum student success and the responsible use of program and course resources, Thompson Rivers University (TRU) may set limits on the number of times students may attempt a TRU course, or program, where academic records indicate that little chance of success exists.

REGULATIONS

COURSE REPEATERS
Subject to the policies and/or criteria of each program, any student may repeat a given course one time. A student wishing to enroll in the same course for a third or subsequent time will be permitted to register only upon presentation of written approval from the Chair of the department offering the course.

PROGRAM REPEATERS
Over and above the requirements of Policy ED 3-2, program policies may establish semester or cumulative Grade Point Average (GPA) requirements for repeat and/or continuation. Such continuation and promotion policies are subject to the approval of the Provost & Vice-President, Academic. Students who fail to achieve this minimum GPA, or who receive a cumulative GPA sufficiently low that in the opinion of the Provost & Vice-President, Academic, they have little or no chance of success in the program, may be required by the Registrar to withdraw from TRU for a period of one semester.

ADMISSION PRIORITY OF REPEATING STUDENTS
I or II above notwithstanding, in certain programs repeating students will be admitted only if space is available once new applicants have been admitted. Procedures concerning this must be approved by the Provost & Vice-President, Academic, and individual admission decisions will be made by the Registrar.

ED 3-6 Course Conflicts

Attendance in class is accepted as a key element in academic success of courses. Thompson Rivers University (TRU) Policy ED 3-1 Student Attendance supports this.

Students are not permitted to schedule lecture sections of courses that conflict without written approval of the instructor of each course. Laboratory and seminar sections that conflict with other courses may be scheduled and must be resolved by the last day to add a course.

Should a student register with a conflict, the student may be required to withdraw from the course.

ED 8-3 Course Outlines

Course outlines are a contract between Thompson Rivers University (TRU) and the student. As such, TRU will ensure that the contract is clear and adhered to by TRU staff and students.

For campus-based courses, the instructor responsible for teaching a transcriptable course will develop a course outline and submit it to the relevant chairperson prior to commencement of instruction. Once the course outline is approved, it is the responsibility of the instructor to distribute it at the commencement of the course and to teach the course as described in the outline.

For Open Learning courses, the course outline is developed during the course development process by the Open Learning Course Planning Team, which includes subject matter expert(s), an instructional designer, and a program coordinator or an academic director. All course outlines are available online.

Because of the diversity of courses and delivery methodologies, course outlines may vary in the amount of detail they may contain, but all shall contain the following:

1. A masthead identifying Thompson Rivers University, the Division/Faculty/School, the semester (for campus-based courses), the course acronym and number.
2. Course outlines shall also contain the name of the department, the instructor, and the instructor's contact information. Open Learning may provide this information through alternative means.
3. The course title, number and credit assignment (if any).
4. The vectoring or contact hours of the course (unless there are no contact hours).
5. Calendar description (a brief description, as it appears in the calendar). Cross-list if appropriate.
6. Course description (optional). When appropriate, faculty should give a more detailed description of the course content than is given in the calendar description.
7. The educational objectives of the course.
8. Prerequisites (if any).
9. Corequisites (if any).
10. A list of required texts and materials/activities entailing costs to students.
11. A brief description of the means (assignments, examinations, tests, quizzes or other forms of student evaluation) by which student performance will be evaluated, and the percentage of the final mark assigned to each evaluation component.
12. A reasonable list of the topics covered in the course. (This may include a detailed list of assigned and recommended readings to be covered.)
13. Special course activities, e.g. field trips, practicum, work experience (if any).
14. Methods for Prior Learning Assessment and Recognition (if any).
15. Use of technology (if any).

In courses which have more than one section, TRU recognizes that the same educational objectives can be achieved in many ways. It is the responsibility of departmental chairpersons, or program coordinator/academic director (for Open Learning courses), to ensure that comparison of curricula, teaching techniques and methods of evaluating students is undertaken on a regular basis so that appropriate differences can be recognized while ensuring that uniform and equitable standards are maintained.

Once an outline has received final approval from the chairperson (for campus based courses) or from the program coordinator/academic director (for Open Learning courses) to ensure that this and all other relevant TRU policies are satisfied, the Department/Open Learning Division will store an electronic copy. In the event of an academic appeal by a student, the course outline shall be provided to the Appeal Committee by the Department/Open Learning Division.

ED 8-1 Credit and Non-Credit Courses

All Thompson Rivers University (TRU) courses fall into one of two categories: credit or non-credit. These are defined as follows:

CREDIT COURSES

TRU courses which carry credit towards a TRU certificate, diploma, or degree are known as credit courses. Credit courses are listed in the Calendar, and registration in such courses is open to suitably qualified members of the general public. Enrolment into credit courses requires prior acceptance into a TRU program or the permission of the instructor.

Curriculum content and academic standards are defined for all credit courses, and students receive a final grade based on their performance and determined according to Policy ED 8-0 (unless the student has registered as an audit student).

Students are issued TRU transcripts to document their achievement in credit courses. On successful completion of a program, students may apply for a Certificate, Diploma, or Degree.

The offering of credit courses, together with their curriculum and academic standards, is subject to the approval of the Vice-President, Academic and University Council.

NON-CREDIT COURSES

TRU offers short non-credit courses in a wide variety of subjects. Registration in such courses is open to the general public. Completion of a non-credit course may lead to a Certificate of Completion, but academic standards are not normally defined. Non-credit courses do not satisfy prerequisite requirements for credit programs.

Occasionally certification for a non-credit course may be provided by an external agency (as in the case of first-aid training, for example). However, TRU transcripts are not issued, nor do non- credit courses lead to TRU certificates, diplomas, or degrees.

ED 7-0 Suspension of Students

It is assumed that students enroll at the University out of an interest in furthering their education. Accordingly it is expected that students will conduct themselves towards University staff, fellow students and members of the University community in a manner consistent with the goals and professional demeanor of an educational institution. This

includes demonstrating a respect for legitimate rights and freedoms of others.

In the event the University considers students' conduct to be inconsistent with this expectation, or considers that students are not appropriately dedicated to the furthering of their own education, they may be suspended for a set period or indefinitely

REGULATIONS

The President may suspend a student for unsatisfactory conduct, for failure to abide by University regulations and/or policies, or for consistent failure to demonstrate adequate effort in the pursuit of educational progress.

A student may appeal a suspension imposed by the President to Senate.

ED 2-2 Directed Studies, Service Learning and Research Learning Courses

Thompson Rivers University (TRU) recognizes that students may request permission to take individually supervised studies (directed studies courses) as part of a program leading to a certificate, diploma or degree. Such courses are intended to provide students with an opportunity beyond the usual curriculum to investigate or work on specific topics and projects related to their program of studies.

Programs offering directed studies/service learning/research learning courses must have TRU educational approval to offer such courses as outlined in Policy and Regulations ED 8-2. As well, directed studies courses must comply with Policy and Regulations ED 8-0.

Before registering for directed studies/service learning/research learning courses, students must have the written approval of a faculty supervisor, Department Chair and Dean, and, where applicable, a designated individual at the affiliated university.

REGULATIONS

1. Students must have the agreement of a TRU faculty member to supervise the individualized/group learning project.
2. After consulting with the proposed faculty supervisor, students must submit a description of the course or project on the approved form to the Department Chair for approval. This material must then be forwarded to the Dean for his or her approval.
3. The description of the course or project will include a topic or project title, a list of learning objectives, major content or task areas, a list of resources to be used (texts, bibliography, etc.), evaluation techniques, a supervision schedule, a start date, and a completion date.
4. Approval will be granted when the proposed study meets the usual academic requirements (breadth, depth, rigour) for a course at the specified level in the program (e.g. third year course in the specific degree program).
5. Programs and departments may determine specific eligibility requirements (e.g. minimum GPA, fourth year standing) for directed studies courses in their area.
6. The requirements of specific degree programs may include the approval of the affiliated university as well as TRU approval.
7. Students must register for Directed Studies/Service Learning/Research Learning Courses following the usual registration procedures by providing a copy of the written approval form at registration.
8. Supervising faculty members will submit a grade to the Registrar's Office upon completion of the course.

ED 16-1 Double Programs - Degrees and Diplomas

Thompson Rivers University (TRU) supports multidisciplinary education, including double diplomas and double degrees. To maintain TRU's academic standards, graduation requirements for any double programs must at least equal the minimum graduation requirements of the individual programs. No special consideration or exemption will be given to students enrolled in multiple programs.

REGULATIONS

1. The course structure for double programs must meet the normal university requirements in respect to courses and the number of credits of each program.
2. A program and course advisory committee will be formed from both disciplines to provide direction on scheduling, implementation, disciplinary standards and follow up on student success.
3. For purposes of advising, students are encouraged to declare, as early as possible, their intention to do a double program.
4. Permission to pursue double degrees or double diplomas must be obtained from the appropriate Deans or designates.
5. Students in double programs shall be eligible on an equal basis for scholarships, prizes and awards as may be available from either or both of the disciplines.
6. Graduating double program students will receive two degrees or diplomas, one for each of the discipline programs. The degrees awarded to double degree graduates will not differ from those awarded to graduates of the corresponding single degree programs in the disciplines concerned.
7. A minimum of 15 additional credits will be required for a double diploma program.
8. A minimum of 30 additional credits will be required for a double degree program.

ED 8-0 Educational Standards in Credit Courses & Programs

Curriculum content and educational standards are established for all credit courses, and students receive a final grade based on their performance, determined according to policy ED 3-5, Grading Systems (unless they have registered as an audit student).

Students are issued transcripts to document their achievement in credit courses. On successful completion of a program, students may apply for a certificate, diploma, associate degree, baccalaureate degree, or master's degree.

Credits serve as a form of academic currency in post-secondary institutions. They are designed to measure the duration, breadth and depth of study toward a specific program goal.

The purpose of this policy is to provide common standards at Thompson Rivers University (TRU) for defining the number of credits a course should attract within the context of a specific program of study.

REGULATIONS

GENERAL

1. A certificate will be awarded for the successful completion of a program less than 46 credits of study, or equivalent. A diploma will be awarded for the successful completion of a program of 46–119 credits of study. An associate degree will be awarded for the successful completion of a program which is equal to or greater than 60 credits of study. A baccalaureate degree will be awarded for the successful completion of a program that is equal to or greater than 120 credits of study. Post-baccalaureate certificates will be awarded for the successful completion of a baccalaureate degree and up to 30 additional credits of study. A post-baccalaureate diploma will be awarded for the successful completion of a baccalaureate degree plus 31 credits or more of study. A masters' degree will be awarded for the successful completion of a baccalaureate degree or the equivalent plus a minimum of 24 graduate credits.
2. To be eligible for a credential, a student must normally complete all courses within a period designated by the relevant program.
3. The criteria for the awarding of credentials are subject to the approval of the Vice-President, Academic, following advice from Senate.
4. When these criteria change, the criteria that apply to a particular student shall be those in effect when the student was admitted to the program.

RESIDENCE REQUIREMENTS

At least 50% of a program's requirement must be completed through TRU.

TRANSFER CREDIT

TRU encourages the recognition of credit for courses taught at other institutions.

GUIDELINES:

1. Comparison of course curriculum forms the basis for considering credit recognition at TRU.
2. Courses accepted by any two B.C. public universities and/or university colleges or institutes should be accepted by equivalent TRU programs.
3. Specific credit will be given for courses with a minimum 80% match in content and similar entrance requirements.
4. Credit may be given only for courses receiving a passing grade from the granting institution.

For the full regulations visit at www.tru.ca/policy/allpolicy

ED 3-9 Examinations

In order to ensure the credibility of TRU degrees it is critical that all TRU exam assessments occur within a structured and secure environment

1. 'Mid-term examinations' are exams held during the instructional portion of the semester, whereas 'final examinations' are those exams held in the formally scheduled examination period which occurs at the end of each semester.
2. Students are responsible for checking the final examination schedule which shall be posted each semester by the Registrar, and for advising the Registrar of any conflicts within the schedule. Attendance at a scheduled final examination is mandatory, and the onus is on the student to seek remedy for a missed final exam.
3. In general, only illness and domestic affliction will be considered as valid reasons for a missed final exam. In cases where, in the judgment of the Registrar, other circumstances clearly beyond the control of the student have led to a missed final exam, consideration may also be granted.

REGULATIONS

EXAMINATIONS

1. Mid-term examinations shall be given only in class times as described in the course schedules and shall not exceed the times assigned for each class unless otherwise mutually agreed with the instructor and students.
2. No single mid-term examination shall exceed 30% of the final grade.
3. In the last week of instruction, no course may include an examination which makes up more than 15% of the student's final grade, with the exception of laboratory examinations.
4. A meaningful proportion of course evaluation must be provided to the student prior to the last day to withdraw from a course in each semester.
5. Final examinations shall not exceed 50% of the final grade.
6. Students who are registered with the Disability Services Department with a documented disability and require examination accommodation must contact Disability Services a minimum of two weeks prior to the exam date for mid-tem examinations, and a minimum of three weeks prior to the last day of classes (see the TRU calendar for dates) for both the fall and winter final examinations.

SCHEDULING OF FINAL EXAMINATIONS, SEMESTERIZED COURSES

1. Final examinations in semesterized courses that make up more than 15% of the final grade shall be scheduled only during the prescribed final examination period. The final exam period shall commence no sooner than 48 hours after the last day of classes.
2. Final examinations in semesterized courses shall be scheduled according to the following general principles:
    a. Exams shall be scheduled to spread the students' exams over the entire exam schedule to provide students with a maximum amount of study time and to provide for the efficient use of the time and space resources available for exam scheduling.
    b. No student will be scheduled so that two exams occur in the same exam session.
    c. No student will be scheduled with three exams in the same calendar day.
3. The general principles will be implemented according to the following operational guidelines:

a. Faculty with Dean-approved academic activity that cannot be accomplished outside of the exam period shall be accommodated so long as the General Principles are met.
b. Faculty with medical circumstances beyond their control that occur during the exam schedule shall be accommodated as long as the General Principles are met.
c. Faculty requesting common exams for all or some sections of a course shall be accommodated where practical and as long as the General Principles are met.

STEPS TO BE TAKEN IN THE EVENT OF A MISSED MID-TERM EXAMINATION

In the event a student misses a mid-term examination, the student should:

1. Contact the instructor prior to the exam, if at all possible, informing the instructor of the particular situation and attempt to reschedule the exam or arrive at another mutually acceptable solution.
2. Inform the instructor as soon after the missed mid-term examination as possible and attempt to devise a mutually acceptable resolution.

Generally, domestic affliction or illness will be accepted as reasons to miss a mid-term examination; however, instructors have latitude to accept other legitimate reasons.

STEPS TO BE TAKEN IN THE EVENT OF A MISSED FINAL EXAMINATION

1. In the event that a student misses a final examination for illness or domestic affliction and wishes to seek a remedy, the student shall report this fact to the instructor within two working days from the date of the scheduled final exam, if s/he wishes to seek a remedy.
2. In the event that a student received prior information that illness or domestic affliction will result in a missed final examination, the student should inform the Registrar immediately.
3. In any case in which a student claims that circumstances beyond the student's control have caused the student to miss all or part of a final examination or to miss the deadline for requesting a remedy for a missed final examination, the student shall report these circumstances, in writing, to the Registrar as soon as possible after their occurrence.
4. In all cases in which a student seeks remedy for missed final examinations, the Registrar may require a medical certificate or other substantiating documents by way of validation. When, in the judgment of the Registrar, the student's reason is invalid, the student shall be refused any further remedy. The Registrar's decision may be appealed under the Appeals Policy,
5. Upon receipt of a valid reason for a missed final examination, the Registrar shall notify the Department concerned that an application for remedy has been made.
6. In consultation with the instructor and Department Chair, the Registrar will either:
    a. Arrange for a suitable final examination which shall be provided and marked by the appropriate instructional department; or
    b. In exceptional circumstances and after due consultation with the instructor and Department Chair, grant the student a standing in, and full credit for, the course based on the student's achievement.

Faculty Office Hours ADM 14-1

Because being available for consultation with students is an important part of an instructor's responsibilities, Faculty shall be available for consultation on a regular basis outside of scheduled instructional hours.

Full-time faculty in academic and career/technical programs are required to schedule at least five office hours per week, scheduled over a minimum of three days. Part-time faculty is required to schedule office hours prorated according to their teaching assignments.

When evening courses are part of an instructor's assignment, one office hour should be scheduled in the evening. It is recommended that this office hour be held during the hour prior to the start of the evening class.

Each instructor will provide the departmental secretaries with a copy of his or her timetable showing assigned class time and office hours. A copy of this timetable should be posted outside the instructor's office. Faculty should also clearly notify students of scheduled office hours in course outlines or in class.

If a student's timetable conflicts with the instructor's scheduled office hours, it is expected that the instructor will accommodate the student's needs for consultation at a mutually agreeable time. If an instructor cannot be present during office hours, he or she should make reasonable efforts to inform students.

ED 2-0 Prior Learning Assessment and Recognition

Thompson Rivers University (TRU) recognizes that adult learners acquire knowledge and skills through life and work experience. Through Prior Learning Assessment and Recognition (PLAR), TRU will assess this knowledge and skills and grant credit/recognition for the learning that has taken place.

PLAR is the assessment by some valid and reliable means, of what has been learned through formal and non-formal education, training or experience that is worthy of credit in a course or program offered by TRU. PLAR is used to evaluate knowledge, skills and competencies which may have been acquired through, but not limited to, work experience, independent reading, hobbies, volunteer work, non-formal learning, travel and artistic pursuits.

The assessment and evaluation of prior learning and the determination of competency and credit awarded, will be done by instructional or faculty staff who have the appropriate subject matter expertise but other staff in an institution may have a supporting role in the process.

The work required for PLAR includes, but is not limited to: classroom-based and individual advising; classroom-based and individual assessment, training and upgrading; development of assessment tools; and, training in the use of flexible assessment.

TRU accepts credit earned through PLAR (as transfer credit) from all Canadian accredited post- secondary institutions that have formally adopted the assessment standards of the Council for Adult and Experiential Learning and or the BC Council on Admissions and Transfer (BCCAT) prior learning standards and guidelines. Such transfer credit is applied in the context of TRU course and program requirements.

REGULATIONS

TRU offers candidates several methods of documenting and demonstrating that they have achieved an appropriate level of prior learning. No single PLAR method is best for all situations. With the help of a PLAR Facilitator, methods should be selected to suit the unique needs of the particular situation.

TRU will award credit or equivalent recognition only for prior learning which is appropriately documented or demonstrated and which is at an appropriate level. PLAR is a process which challenges learners to claim and articulate their knowledge, skills, abilities, and values based on documentation that describes learning or provides evidence of learning.

PLAR FACILITATOR

For students enrolled in TRU Campus programs, the PLAR Facilitator acts as the contact person at TRU for PLAR inquiries, offers orientation seminars, portfolio preparation courses and other PLAR related courses, and acts as liaison between the Assessor(s) and the learner.

For students enrolled in TRU – OL programs, the Director, PLAR acts as the contact person for PLAR inquiries, offers orientation seminars, portfolio preparation courses and other PLAR related courses, and acts as liaison between the Assessor(s) and the learner.

PLAR ASSESSOR

Prior learning will be assessed by qualified specialists, approved by the relevant department/ program or TRU-OL Academic Director/Program coordinators, who have expertise in the area to be assessed and training in appropriate assessment methods for PLAR. Assessors will be responsible for ensuring that the documentation provided by the learner supports the claim for credit/ recognition. If the Assessor believes that the knowledge the learner has demonstrated is sufficient and appropriate, credit/ recognition will be granted.

The PLAR Facilitator or the Director, PLAR will work with assessors with content expertise to develop appropriate assessment methods and/or provide training to content experts in how to conduct PLAR assessments.

DOCUMENTATION AND DEMONSTRATION OF ACHIEVEMENT

Evidence: All PLAR requires evidence. The learner has the primary responsibility for preparing the evidence that learning has taken place and that it contributes to an appropriate balance of theory and practical application. Tangible proof of competence can be provided through documentation of accomplishments or demonstration of skill and knowledge. Depending on the subject area, certain types of documentation or demonstration are more useful than others.

Examinations: The purpose of exams is to measure knowledge of the content of, or the achievement of, the learning outcomes that are equivalent to those of a specific course.

- Challenge exams are created for students who have not attended the course but who wish to demonstrate that they have achieved the course outcomes. Challenge exams are designed by a course instructor or Open Learning Faculty member.
- Standardized exams are prepared by national organizations, such as the College Level Examination Program (CLEP), are applicable to a large population, and measure a specific level of achievement in a specific subject.

Equivalencies: Course equivalencies are awarded to learners who have completed and been evaluated in programs, professional licenses, or professional certificates outside of the college or university system. These non-formal programs and credentials are evaluated by TRU and credit may be granted if the program or credential meets the assessment criteria.

Portfolios: Portfolios summarize the learning gained from non-formal learning experiences. It is a collection of information that demonstrates the depth and breadth of what the learner knows and/or can do. A portfolio can be used as a "stand alone" or in combination with other methods of assessment. It provides evidence of learning. A portfolio is generally compiled and organized in a binder for assessment.

ELIGIBILITY

1. A learner requesting PLAR must normally be admitted to a TRU or TRU-OL program before the PLAR process will be commenced.
2. PLAR can be used to accumulate credit in programs or to satisfy admission requirements to certain programs upon approval by the appropriate department chair or TRU-OL Program Director.
3. PLAR can be used to satisfy residency requirements for TRU—OL.

CONDITIONS

1. Credits granted for prior learning towards a specific program at TRU can be transferred to other programs at TRU where specific transfer credit exists.
2. Credits granted for prior learning at TRU may not always be transferable to other institutions. It is the responsibility of the learner to determine transferability.
3. For programs offered on the TRU campus, a maximum of twenty-five (25%) of the credits required in a program will be awarded for prior learning. For programs offered through TRU-OL, Planning Council for Open Learning will establish the proportion of each credential that can be gained through PLAR.
4. Not all courses are eligible for PLAR; eligibility will be determined by the appropriate department or Open Learning Academic Director.
5. Credit awarded through PLAR will be monitored to avoid awarding credit more than once for the same learning in a course/program,
6. A successful PLAR will apply only to the designated course and will not constitute a successful PLAR of any prerequisites to that course.
7. PLAR will not normally be granted for a course previously transcripted without the special permission of the department and without reasonable evidence of the acquisition of new knowledge.

8. Transcripts reflect the course being granted credit with a grade of S, which will count as credits attempted and taken, but not for GPA calculations.
9. If a Request for PLAR is unsuccessful, there will be no listing on the transcript.
10. Learners who receive an unfavourable decision from the Assessor will have access to TRU's appeal process.
11. Students are advised to consult with the Financial Aid office regarding any impacts enrollment in PLAR courses may have on eligibility for student aid.

FEES

PLAR assessments are done on a cost-recovery basis. The cost of PLAR will be based on the services performed in the assessment process and the number of credits requested. For assessment of PLAR for an individual course, this cost will not be more than the course fee charged as defined by the tuition fee schedule. Students are responsible for all associated costs involved with PLAR which may include long-distance phone calls to an assessor, travel to an assessment site and/or mailing a portfolio to an assessor. All fees are non-refundable.

ED 3-2 Satisfactory Academic Progress

Satisfactory academic progress shall be defined as the achievement of grades which permit a student to move to the next highest level of academic studies. Although minimum satisfactory achievement is a 1.00 grade point value in a particular course, a student is expected to maintain a minimum Grade Point Average (GPA) of 1.50.

Academic probation is a warning to a student that academic progress has not been satisfactory and that subsequent non-performance may result in other forms of academic restrictions.

GENERAL

All students who enter Thompson Rivers University (TRU) are expected to maintain acceptable standards of academic performance. Should a student fall below acceptable performance, the following policy will apply:

A student shall be placed on academic probation in the next semester attended when the semester or cumulative GPA falls below 1.50 on two or more credit courses. Upon approval by the Vice-President Academic, individual departments may set higher minimum academic standards which take precedence over TRU-wide standards. If at the end of the probation period:

- the GPA on assigned grades during the probation period and the cumulative GPA are 1.50 or higher, the student will be considered to be in good academic standing;
- the GPA on assigned grades during the probation period is 1.50 or higher but the cumulative GPA is less than 1.50, the student will continue on academic probation;
- the GPA on assigned grades during the probation period is less than 1.50, but the cumulative GPA is 1.50 or higher, the student will continue on academic probation;
- both the GPA on assigned grades during the probation period and the cumulative GPA are less than 1.50, the student will be required to withdraw for at least one of a Fall or Winter semester.

A student who is required to withdraw may reapply for admission at the end of one semester's absence. Upon re-admission the student will be placed on academic probation subject to the academic probation terms above.

However, at the end of the probation period, if both the cumulative GPA and the GPA for assigned grades during the probation period are below 1.50, the student will be required to withdraw and re-admission will not be considered for the period of two calendar years.

ATHLETIC ELIGIBILITY

For the purposes of extracurricular athletic activity, a student should maintain a minimum GPA of 2.00. If the GPA falls below 2.00, the student will be warned of the situation, and should the GPA fall below 1.50, the athlete will be placed on academic probation and will be unable to participate in athletic events, but may be allowed to attend practice. The athlete will be allowed to participate in athletic events only after the GPA is raised to 1.50 or better.

FINANCIAL AID

Student Aid BC requires that students "must progress to the next level of a program of study" (Ch. 7 Sec. 1 of SABC Policy Manual), and have passed 60% of a full course load.

A student will not be eligible for non-repayable funds or BC Loan Reduction if the student does not successfully complete 60% of a full course load and achieve a GPA of 1.50.

BRD 10-0 Services for Students with Disabilities

Thompson Rivers University (TRU) acknowledges its obligation to provide academic accommodations to ensure an accessible and inclusive educational environment to the point of undue hardship for all students with disabilities. TRU is committed to providing services and reasonable academic accommodations for students with diagnosed disabilities in a manner that is consistent with its educational mandate, academic principles and legal obligations.

TRU’s objective is to provide students with disabilities the same rights, responsibilities, opportunities and respect as all other learners, enabling them to integrate into the university environment and achieve their potential for success as self-directed, independent learners. This objective will be accomplished by providing direct support services and by reducing the physical, attitudinal and systemic barriers faced by students with disabilities. Through its Department of Disability Services, TRU will assist students with disabilities who self-identify and seek academic accommodations and/or services. While the University as a whole will strive to provide appropriate and reasonable accommodations, students with disabilities are nevertheless responsible for meeting their course and program requirements.

See the regulations and procedures online at
www.tru.ca/policy/allpolicy

ED 3-1 Student Attendance

Thompson Rivers University (TRU) recognizes the importance of student attendance and participation to success in his or her course or program of study. Students must ensure the accuracy of their registration status.

REGULATIONS

ATTENDANCE AT THE START OF A COURSE OR PROGRAM

1. Attendance at the Start of a Course
   A registered student is expected to attend the first class for each course in which he or she is registered. A registered student who does not attend the first two days of class and who has not made prior arrangements acceptable to the instructor may, at the discretion of the instructor, be considered to have withdrawn from the course and his/her course registration may be deleted. The seat may be reassigned.

2. Attendance at the Start of a Limited Enrolment Program
   A student enrolled in a limited enrolment program is expected to attend the first day of class for each course in the program. A student who is absent for the first two days of a limited enrolment program will be considered to have withdrawn from the program and his/her program registration will be deleted. The student's seat may be assigned to a waitlisted student at the discretion of the Department Chair or designate.

GENERAL ATTENDANCE DURING A COURSE OR PROGRAM

1. A student is expected to regularly attend lectures, laboratories, tutorial and seminar sessions for which they are enrolled. Admission to a lecture, laboratory, tutorial or seminar may be refused by the instructor for lateness, class misconduct or failure to complete required work.
2. Unless otherwise stated, a student will be expected to attend a minimum of 90% of class or lab time allocated to each course. However, due to the wide variety and diverse nature of courses and programs at TRU, individual departments or programs may set their own attendance requirements which will supersede the 90% requirement.
3. A student is expected to attend the first day of class of his or her course or program to receive a course outline which will include attendance requirements if different from the 90% requirement.
4. In the case of deficient attendance without cause, a student may, on recommendation of the instructor and with the sanction of the instructor's Dean or Chairperson, be withdrawn from a course. TRU's withdrawal policy (ED 3-0) will apply.

ED 2-4 Transferability of University Credits

PAN CANADIAN PROTOCOL

Thompson Rivers University (TRU) supports the principles and objectives governing the Pan- Canadian Protocol on the Transferability of University Credits, as set out below:

TRU will recognize, and will credit toward its degrees, all relevant course work completed by transfer students during the first two years of university study in Canada (including University Transfer credits in British Columbia and final year credits toward a Diploma of College Studies in Quebec) provided that:

- The transfer student is deemed admissible and has been presented with an offer of admission;
- The transfer student has achieved a passing grade in his/her course(s) and has obtained grade levels that normally would be required of continuing studies; and
- The credits earned at other institutions are related to the program of study in which the transfer student will register, or can be counted as electives for that program.

Acceptance of the Protocol does not limit the academic autonomy of TRU.

- The Protocol does not limit the policies and practices used by TRU or its programs in deciding on the admissibility of students who apply for admission with transfer credit.
- Acceptance of the Protocol does not limit TRU's right to determine admission requirements, program design, content and delivery, to determine academic prerequisites, or to establish certification requirements for approval of transfers.

ASSOCIATE DEGREES

TRU guarantees sixty (60) credits will be awarded on transfer to TRU to holders of an Associate of Arts Degree or Associate of Science Degree awarded by a BC College or University College. Students must still fulfill all first and second year requirements of their Bachelor's degree not already completed as part of their Associate Degree.

The requirements for an Associate Degree are contained in the Regulations of TRU Policy BRD 16-0, Types of Degrees, and are as defined by the B.C. Council of Admissions and Transfer.

REGULATIONS

The Faculty/Division/School responsible for each TRU degree program will ensure that the respective policies and procedures for those programs are consistent with the Protocol's principles and objectives.

ED 1-3 Visiting Student Status

In recognition of the resulting opportunities to enhance the breadth and depth of their studies, students enrolled in programs at Thompson Rivers University (TRU) may be approved to undertake study as "Visiting Students" at other post-secondary institutions.

Students from other institutions may be permitted to enroll in TRU courses if they meet relevant TRU course and program requirements. Visiting students at TRU should obtain appropriate permission from their home institutions to ensure that credit for TRU work is accepted at those institutions.

REGULATIONS

TRU students who wish to enroll at other institutions must obtain, in advance, a "Letter of Permission" from their Program Advisor, or their Dean if the program does not have a program advisor, if they wish to

guarantee those courses to receive credit towards a TRU program. This permission is subject to established TRU program requirements.

Each Visiting Student must arrange to have the Registrar at the other institution send an official transcript of the student's performance as a Visiting Student to the TRU Records Office. In addition, each student must submit, in writing, a request that the Records Office apply the credit to their TRU record and must include a copy of the Letter of Permission with the request.

Campus-Based Programs:
A maximum aggregate of 30 TRU credits or equivalent may be acquired through study as a Visiting Student and must be counted as part of the maximum external credits, as per policy ED 8-0.

Open Learning Programs:
Maximum external credits are set in relation to the program's residency requirements which vary from program to program.

ED 3-7 Waitlist

Thompson Rivers University (TRU) recognizes that although a course or program may have reached its registration capacity prior to the start of the course or program, some course registrants are unable to attend at the last moment and vacancies occur at the start of the course or program.

REGULATIONS
Waitlist: During the registration period, once the enrolment capacity for a course has been reached, a student still wishing to register will be placed on a waitlist for that course.

Change of Address

Students must notify the Registrar's Office in writing of any change in address, email address, or telephone number. This can also be done through myTRU, phone or in-person. Students who are in receipt of government student assistance should also notify the appropriate provincial authority.

Corequisites

Corequisite courses must be taken at the same time as the desired course if the corequisite has not already been satisfactorily completed.

Course Changes

Course changes may be made only as indicated in the Sessional/Important Dates located at the beginning of this calendar. Official forms must be completed by the students and submitted to the Registrar's Office before the deadline date. Students are urged to consult with Program and Academic Advisors and Student Loans before

Waitlisted Students: A waitlisted student is expected to attend the first two days of class. Waitlisted students who attend the first two days of class will be given priority for vacant seats by order of the waitlist.

ED 3-0 Withdrawals

Thompson Rivers University (TRU) recognizes that students may withdraw from their courses for a wide variety of reasons. Because of the possible impact on their educational future, students are urged to seek counselling before making a decision to withdraw from a course or program. In the event of a student deciding to withdraw from a course or program, the following deadlines apply:

1. The withdrawal date is the last day of the eighth instructional week for one-semester courses and the last day of the third instructional week in the second semester of two-semester courses;
2. Students in semesterized programs may withdraw from their entire program up to the last day of instruction in the semester;
3. Students who miss either of the deadlines listed above will receive a grade of 'F' or 'DNC' unless they can satisfy the Registrar that they have suffered illness or domestic affliction or circumstances beyond their control, which have prevented them from withdrawing from their courses within the relevant deadline. This decision of the Registrar is subject to appeal (see Policy ED 4-0).
4. The last day to change from a semesterized section of a course to an independent study section of the same course is eight weeks into the semester.
5. Withdrawal dates for Summer Sessions or intersession courses shall be prorated to the end of the nearest full week based on the one semester withdrawal policy.

making course changes to confirm appropriateness of changed programs for academic or diploma/certificate completion.

Course Exemptions

The Department Chair will evaluate, on request, other courses taken at TRU and, where appropriate, will provide course exemptions toward the student's new program. This assessment will be done by the Registrar's Office for Academic and Degree programs.

Course Numbering and Definitions

Effective Fall 2010 TRU revised its course numbering from a three-digit number to a four-digit number (i.e. ENGL 110, is now ENGL 1100).

Digits
The first digit indicates year level at which the course is usually taken. Course numbers beginning with a "1" are first year courses. Second year courses begin with a "2".

The second and third digits further define a course.

The fourth digit indicates whether it is a campus course or an Open Learning course; Even numbers are for campus courses, and odd numbers are for Open Learning courses.

Vectoring (Hours of Instruction)
The brackets (3,1,3) indicate the weekly hours of instruction for the course. The first digit inside the bracket indicates the number of lecture hours per week, the second digit indicates seminar hours per week, and the third digit indicates laboratory hours per week. For example, (3,1,3) would have 3 hours of lecture, 1 hour of seminar and 3 hours of laboratory per week for a total of 7 hours of instructor contact time each week.

Letters following the third digit indicate:
"L": indicates a lab and in nursing courses

"P": a clinical practicum.

Credit
The credits for a course are indicated following the course vectoring/hours of instruction.

Course Prerequisites

Students must meet the specific course prerequisites as set out in this calendar prior to enrolling in the course. Students who do not meet the course prerequisites may be asked to withdraw by the instructor.

Prerequisite courses, if any, must be completed satisfactorily before a student may register for a desired course. In the Science Division, satisfactory completion is a grade of "C" or better in the specific discipline courses, and all course prerequisites will be checked to ensure compliance.

General Conduct

1. TRU authorities do not assume responsibilities which properly rest with adults, parents or guardians. It is the policy of TRU to rely upon the good sense of students to maintain standards of acceptable behavior.
2. TRU prohibits any acts by students attending TRU, or by anyone else, which might cause injury to any person(s) or damage to TRU property.
3. No liquor shall be brought onto TRU property except when authorized by the President, or his delegate, for approved functions.

Grades - Calculation of Grade Point Average

1. For each course taken the grade point value of the mark is multiplied by the credit value of that course.
2. The total number of grade points is divided by the total number of credits to obtain the grade point average (GPA).
3. The GPA is calculated only on the courses taken for credit.
4. A course or grade may not be deleted from the permanent record. However, if the student repeats a course only the highest grade will be used in the calculation of their total grade point average, including equivalent courses taken through TRU-OL. Students should contact the Registrar's office to ensure GPA has been recalculated.

Note: Students who intend to transfer to another educational institution must realize that another institution may re-compute grade point average in accordance with its own policies.

Grades - Statement of Grades

Students can view their most current grades using their myTRU account. If you have any questions concerning your official online grade record, contact the Admissions/Registration Office.

No statement of grades, diploma or certificate will be issued until the student has cleared up all obligations to TRU in the way of fees, overdue library books, or outstanding fines and loans.

For more information visit our website at
www.tru.ca/admreg/academicrecords

Grading Systems

In order to achieve uniform standard and comparability across Thompson Rivers University (TRU), standard letter grading systems shall be established. All final official grades shall be assigned and reported according to this letter grade system. TRU grading systems are established for the purpose of reporting official course outcomes, and are not intended to limit ways in which an instructor or Open Learning Faculty member may choose to provide feedback to students during a course or program.

To assist with the determination of the appropriate final letter grade, this policy provides a numerical percentage range for each letter grade. Each letter grade has a numeric grade point value assigned. Letter grades do not become official until they appear on the students transcript. Instructors may notify students of unofficial course grades, but Faculties, Schools and Departments reserve the right to correct or adjust unofficial grades in order to maintain consistent interpretation of the Letter Grade Definitions set out below with the approval of the Associate Vice-President, Research and Graduate Studies or designate.

Graduate Programs

Letter Grade	Numerical Grade	Grade Points	Grading Definitions
A+	98 – 100	4.33	Excellent.
A	94 – 97	4.00	First class standing.
A-	85 – 89	3.67	Very good.
B+	80 - 84	3.33	Second class standing.
B	75 – 79	3.00	Satisfactory
B-	70 – 74	2.67	Marginal pass. A passing grade indicating marginal performance. Student not likely to succeed in subsequent course in the subject.
F	0 - 69	0.00	Unsatisfactory. Fail. Knowledge of principles and facts is fragmentary; or student has failed to complete substantive course requirements.

Minimum pass for students in a Graduate Program: A student who receives a B- or lower in two or more courses will be required to withdraw regardless of their grade point average unless the program recommends otherwise. Individual programs may require a higher minimum passing grade.

Undergraduate Academic/Career/Developmental Programs

Letter Grade	Numerical Grade	Grade Points	Grading Definitions
A+	90 – 100	4.33	Excellent. First class standing.
A	85 – 89	4.00	Superior performance showing comprehensive, in-depth understanding of subject matter.
A-	80 - 84	3.67	Demonstrates initiative and fluency of expression.
B+	77 – 79	3.33	Very good. Second class standing.
B	73 – 76	3.00	Clearly above average performance with knowledge of principles and facts generally complete and with no serious deficiencies.
B-	70 – 72	2.67	
C+	65 – 69	2.33	Satisfactory. Basic understanding with knowledge of principles and facts at least adequate to communicate intelligently in the discipline.
C	60 – 64	2.00	
C-	55 – 59	1.67	Pass. Some understanding of principles and facts but with definite deficiencies.
D	50 – 54	1.00	Minimal pass. A passing grade indicating marginal performance. Student not likely to succeed in subsequent courses in the subject.
F	0 - 49	0.00	Unsatisfactory. Fail. Knowledge of principles and facts is fragmentary; or student has failed to complete substantive course requirements.
DNC		0.00	Did not complete the course, less than50% of the course work completed or mandatory course component(s) not completed. No official withdrawal.

Vocational Trades/Non-Trades Programs

Letter Grade	Numerical Grade	Grade Points	Grading Definitions
A+	98 – 100	4.33	Excellent. First class standing.
A	94 – 97	4.00	Superior performance showing comprehensive, in-depth understanding of subject matter.
A-	90 – 93	3.67	Demonstrates initiative and fluency of expression.
B+	86 -89	3.33	Very good. Second class standing.
B	82 – 85	3.00	Clearly above average performance with knowledge of principles and facts generally complete and with no serious deficiencies.
B-	78 – 81	2.67	
C+	74 – 77	2.33	Satisfactory. Basic understanding with knowledge of principles and facts at least adequate to communicate intelligently in the discipline, but with definite deficiencies.
C	70 – 73	2.00	
F	0 - 69	0.00	Unsatisfactory. Fail. Knowledge of principles and facts is fragmentary; or student has failed to complete substantive course requirements.

Transcript Notations (all transcripts)

Notation	Title	Notation Definitions
AUD	Audit	No credits granted
CIP	Course in Progress	Indicates regularly scheduled one semester course is still being completed with final grade to follow.
COM	Complete	Assigned when competency-based work component, practica/work placements or pass/fail courses are completed.
CTN	Continuing	Multiple semester course - course continues into the next semester(s).
DEF	Deferred	Regularly scheduled course work has not been completed but instructor and student agree on completion at a later date. Becomes DNC after 6 weeks.
NCG	No Credit Granted	Used in competency-based courses to indicate course or program standard has not been met.
S	Satisfactory	Credit awarded for assessment of learning acquired outside an accredited post-secondary institution setting (i.e. prior learning assessment).
W	Withdrawal	Withdrawn from course according to established policy. No credit granted
XT	Extension	Course completion date extended
AEG	Aegrotat	A pass standing based on satisfactory term marks but student has been unable to complete all course requirements due to disabling illness or other circumstances. This standing is awarded, only if, the course instructor and the Dean agree that the student has demonstrated the capacity to deal with course

Student Classification

1. Full Time Student:

   A student who registers at least a 60% course load (40% for students with a permanent disability) of the program in which she/he is enrolled, and who registers for at least 60% of a regular program of work each semester is classified as a full-time student. Part Time Student:

   A student who registers in less than 60% of a course load will be classified as a part time student.

2. Auditor (non-credit)

   A student who wishes to take a credit course for non-credit. Students who register to audit a course must satisfy the instructor that they are taking reasonable steps to complete course requirements, although no formal evaluation procedures are required. Upon completion of the course, a grade of "AUD" is posted. If the instructor determines a student is not completing course requirements, a grade of W will be recorded. Audit students do not receive credit for the course. Regular tuition fees are charged for all courses audited. Students must meet with the instructor at the commencement of the course, or before a change to "Audit" status, to agree on what constitutes reasonable steps to complete course requirements. Students who wish to change from Credit to Audit status must do so by the end of the second week of the semester.

   Since Audit students do not have to satisfy prerequisites for entry into a particular course, departments that have courses with activities that involve potential safety issues (i.e., clinical, laboratory or experiential activities) have the right to refuse an Audit student's participation in these activities.

Student Complaints

If a student has a complaint about a particular course or instructor, the first step should be to discuss the problem with the instructor. If the problem is not resolved or the problem is such that the student does not wish to approach the instructor, the student should discuss the problem with the appropriate Department Chairperson or Dean. If the student is still dissatisfied, the student should consult with the office of Student Affairs, or a Counsellor.

Student Electronic Communications Regulations

Your TRU e-mail address is the University's official electronic mailing address for all students. The account holder is responsible for reading and attending to e-mail sent to this address. For details please review the IT Services website. www.tru.ca/its/labs/mytru

Transcripts of Academic Record

TRU regards the individual's permanent student record as a personal private document. Therefore, no transcripts are released without the written authorization of the individual concerned.

Official transcripts are sent only upon the student's written request to employers, educational institutions, and other authorized agencies. Student copies of transcripts are sent to students on request in sealed envelopes which may be enclosed by the student with other materials to be sent to employers, educational institutions, etc., if this is more convenient and accepted by the other institution.

Transcripts cost $5.20 per copy (price subject to change).

Services for Students

General Information

TRU offers a variety of student services to help you make the most of your life at TRU. If you have general questions about services available, please call 250.828.5000 or go to tru.ca/services.

Academic Advising

Academic Advisors provide students with information and advice on all TRU courses and programs. Services include education planning, course selection, and registration assistance and online tutorial support.

Academic Advising has prepared two web-based tutorials for students to assist students with setting up their timetable and preparing to register classes. These tutorials explain what students need to know to build their own personal course timetable. Both the online and in-person registration process is explained.

For a full listing of online support and more information visit:
www.tru.ca/advising
Phone 250.828.5075
Email: advising@tru.ca
International Students: internationaladvising@tru.ca

Assessment Centre

The TRU Assessment Centre:

- Provides general educational assessments to facilitate appropriate placement in courses/programs that best match the students' abilities and needs.
- Administers entry assessments for admission to various TRU programs.
- Coordinates and/or invigilate examinations for other educational institutions and outside agencies.

Location: Old Main Room 1487.
Phone: 250.828.5470
tru.ca/studentservices/assmnt

The LPI Test
The Language Proficiency Index (LPI) is administered to domestic students who plan to enter a post-secondary institution in B.C., and serves as an indicator of the level of English competency to determine placement in the most suitable English course.

TRU requires LPI scores of many incoming students. Please consult this calendar for specifics or exemptions in the program area of your choice.

Students must register through Paragon Enterprise to write the LPI.

Information/registration pamphlets are available through the Assessment Centre. There is limited seating so early registration is highly recommended.

General Educational Development Tests (GED)
The General Educational Development Tests (GED) are a series of five comprehensive examinations in the areas of Language Arts (writing and reading), Social Studies, Science, and Mathematics. They are designed to measure the major generalizations, ideas and intellectual skills that are normally gained through secondary school.

The GED tests provide an opportunity to earn an official document of Grade 12 Secondary School equivalency standing and may assist in gaining admission to some university level programs. Application Requirements:

- Canadian citizen or permanent resident
- British Columbia resident
- At least 19 years of age on the date of the tests
- Been out of the public school system for at least one full academic year
- Have not received a Grade 12 graduation certificate

Application Procedure
Fees for tests are payable at the time of application. Payment should be made by certified cheque or money order payable to Minister of Finance, and must be received in Victoria, BC (28) days prior to the test date.

For more information visit
www.tru.ca/studentservices/assmnt
Phone: 250.828.5290

Counselling

The TRU Counselling Department support career development, academic success, and personal growth of all TRU students. Counselling offers individual career counselling, career workshops, and a selection of career-related assessments for both current students and, subject to availability, prospective students.

Academic success counselling works with students to develop a strategy for improved academic performance.

Short-term individual counselling that is focused on finding solutions and taking action against problems is also available.

Counselling strives to create a respectful, safe and affirming atmosphere for students of all races, ability, ethnicity, sexual orientation, gender identity, religion, age, culture and socioeconomic status. To book an appointment, call or drop in.

Location: Old Main, Room 1631.
Phone 250.828.5023

Harassment, Bullying, and Discrimination Prevention

Thompson Rivers University is committed to providing a working and learning environment that allows for the full and free participation of all members of the University community where discrimination, bullying and harassment are not tolerated. Harassment, bullying and discrimination undermine these objectives, violate the fundamental

rights, personal dignity and integrity of individuals or groups of individuals and may require remedial action by the University.

Harassment, bullying and discrimination are prohibited under the University's Respectful Workplace and Harassment Prevention Policy and may result in the imposition of disciplinary sanctions including, where appropriate, dismissal or permanent suspension. A copy of the policy is found at:
www.tru.ca/__shared/assets/respectful_workplace_harrasment_prevention_poilcy28967.pdf

Any member of the University community who believes she/he has been subject to harassment may contact the University's Human Rights Officer at 250.852.7134 or 250.852.7134 or the chair, director or dean of the area where the harassment, bullying or discrimination occurred.

Math Help Centre

The Math Help Centre is a free service for students and is staffed by Mathematics faculty and upper-level students. Students can work alone or together with other students in a relaxed and informal environment, with help readily available. The Help Centre is located in The House of Learning.

Office of Student and Judicial Affairs

The Office of Student Affairs offers guidance on student issues related to all TRU policies including academic appeals, student conflicts and student behaviours. We liaise with the TRU Student Union (TRUSU) and affiliated TRU clubs and associations.

For more information:
Phone: 250.852.7117
Website: www.tru.ca/studentservices/Student_Judicial_Affairs

Orientation

Orientation is designed to introduce new students to support services, create familiarity with the campus, provide a glimpse of what to expect at TRU, and start new friendships that will last throughout the TRU journey. Orientation day includes a chance for new students to meet each other, meet their future professors, and be welcomed to campus in a big way! In addition to the official Day of Orientation, supports are offered on the Kamloops campus via Students Corner year-round.

For more information:
Phone: 250.371.5835
www.tru.ca/orientation

Services for Aboriginal Students

Weykt

We acknowledge and thank the Secwepemc People whose traditional territories we enjoy being a part of to live, learn and grow.

Thompson Rivers University offers Aboriginal students a welcoming and respectful environment to help students to reach their academic goals. Cplul'kw'ten (The Gathering Place)is TRU's Aboriginal center that provides information on all aspects of university life and doubles as space for students to socialize, study, or just take a break. It is a home away from home.

Supports at Cplul'kw'ten include:

- On site computers and study spaces
- Kitchen
- Assistance in locating basic facilities such as: housing, daycare, transportation etc.
- Assistance applying for bursaries, scholarships, and with band funding applications
- Academic support options such as tutoring
- Library outreach program
- Free seminars such as: life online, money matters, and many more!
- Elder in the House Program
- Connections to other important services on campus and in the community
- Health and Wellness at Cplul'kw'ten
- Advocates for students on important issues such as discriminations and harassment
- On site counseling 3 days a week..

Social supporting systems to enhance the sense of community

Services for Students with Disabilities

TRU is committed to facilitating and providing services and reasonable accommodations for students with documented disabilities in a manner that is consistent with TRU's educational mandate and academic principles. Disability Services provides a variety of services and accommodations for students with documented disabilities. These services may include but are not limited to:

- Alternate-format textbooks
- Accommodated examinations
- Referrals for technical aids and adaptive technology
- Assistance with applications for disability related funding

New and returning students who require accommodations or support are asked to contact Disability Services at least 3 months prior to the start of a semester as certain supports and accommodations require substantial lead time to arrange.

If you require services or accommodations, you are required to provide Disability Services with current professional documentation of your disability. Acceptable documentation should not be older than 5 years and must be obtained from a certified health care professional who has specific training and expertise in the diagnosis of the condition(s) for which the accommodation(s) is being requested.

Please view the "Academic Accommodation and Services for Students with Disabilities" policy at:
www.tru.ca/__shared/assets/Services_for_Students_with_Disabilities5619.pdf

For additional information or to make an appointment please contact:

SERVICES FOR STUDENTS WITH DISABILITIES
Old Main Building, Rm. 1631
Phone: 250.828.5023(Kamloops)
Toll Free: 1.888.828.6644 (Kamloops)

Fax: 250.371.5772
Email dso@tru.ca

Student Awards & Financial Support

Student Awards and Financial Support is your one stop shop for information on scholarships, awards, bursaries, financial advising and government student loans.

Adult Basic Education Student Assistance Program
Need-based, non-repayable grants are available to assist students wishing to enrol in programs such as Adult Basic Education, Basic Literacy, and English Language Skills. Funds are intended to cover direct educational costs such as tuition and mandatory books. Applications are available online at tru.ca/finaid

Student Aid BC

The purpose of the Student Aid BC suite of programs is to assist postsecondary students with educational and living costs where funds are granted only where the financial resources from parents, summer work, or other sources are insufficient to meet the total estimated educational costs.

Students planning to apply to Student Aid BC are advised to complete their application online in early June – this will ensure you receive your funds on time. Funds awarded under this program will be disbursed through a combination of Canada Student Loan, B.C. Student Loan and in some cases grants and/or loan reduction.

To be eligible, you must be Canadian citizens, or permanent residents who are enrolling in at least a 60% course load of an approved program (40% for students with a permanent disability) that is a minimum of 12 weeks in length. The amount of assistance awarded will be based on assessed need as determined by the provincial government.

For complete information, see Student Aid BC Website:
www.studentaidbc.ca

For information and links to all Canadian student assistance programs, visit www.canlearn.ca

Maintaining Interest Free Status

Interest on your student loan is paid by the federal and/or provincial government as long as you are registered as a full-time student.

Students who have negotiated Canada Student Loans and B.C. Student Loans in the past but who do not negotiate one for the immediate semester or program of study should submit an online application for maintenance of interest free status at www.studentaidbc.ca.

Deadlines

The government must receive your application a minimum of six weeks prior to your study end date. Contact Student Awards & Financial Support for further information.

Part-Time Student Assistance Programs
Grants and loans are available to assist students who choose to study on a part-time basis. Funds are intended to cover direct educational costs such as tuition and books. Applications are available online at www.studentaidbc.ca

Fee Deferrals
Students who meet the following criteria are eligible for a fee deferral:

- Are unable pay the balance of their fees by the deadline dates and have been approved for full-time student loans through Student Aid BC prior to the start of classes
- Have a loan amount greater than their total fees owing

Students will have their fees deferred automatically, subject to payment of the required TRU commitment fee. Fee information is available at www.tru.ca/admreg/fees.

For more information or to book an appointment contact:
Phone: 250.828.5024
www.tru.ca/finaid

Computer stations in the Student Awards office are available for students to complete their loan application online.

Student Employment Centre

As part of the Career Education Department, the Student Employment Centre (SEC) is dedicated to educating students and alumni through the career decision making and career management process. The SEC is an excellent resource for students wanting to explore career options and to secure full-time, part-time, summer, and casual employment. The SEC will assist students with their career education needs through in-class instruction of workshops / seminars, one on one consultation, assistance with resume and cover letter development, interview and presentation skills, portfolio development, networking,, and access to daily job postings through our website as well as on campus recruitment, career and job fairs.

For more information:
Old Main, room 1712
Phone: 250.371.5627
Fax: 250.828.5014
Website: www.tru.ca/careereducation

Student Engagement

Certificate of Recognition

Global Competency
Global Competency is a credential that can be earned in tandem with any undergraduate or graduate credit program offered by Thompson Rivers University. The credential formally recognizes the global competencies - knowledge, skills, and attitudes of a globally minded citizen - acquired by students through their educational experiences.

Students earning this credential will have it formally noted on their official TRU transcript and will also receive a “Certificate of Recognition - Global Competency.” It is awarded upon completion of a student's program of study, provided that all of the Global Competency requirements have been met. For more information visit www.tru.ca/global.

Leadership in Environmental Sustainability
Leadership in Environmental Sustainability is a credential that can be earned in tandem with any undergraduate or graduate credit program offered by Thompson Rivers University. The credential formally recognizes the environmental sustainability competencies- knowledge, skills, and attitudes – acquired by students through their educational experiences.

Students earning tis credential will have it formally noted on their official TRU transcript and will also receive a "TRU Certificate – Leadership in Environmental Sustainability." It is awarded upon completion of a student's program of study, provided that all of the requirements have been met. For more information visit www.tru.ca/les

Student Housing

Thompson Rivers University Residence and Conference Centre: 271 suites with one, two or four bedrooms as well as one or two bedroom barrier free suites for students with physical limitations. Suites are fully furnished. Light housekeeping services are provided. For more information:
Phone 250.828.8999
Email: tru@stayrcc.com
Website: www.theplace2be.ca

McGill On-Campus Student Housing: 300 furnished suite style units. Applications are available from the housing staff.
For more information, contact:
Phone 250.372.7778

TRUSU Housing Resource Centre: The Students' Union offers an online Housing Resource Centre with information on tenancy rights, policies, and procedures both on and off campus, as well as a Housing Registry. The Registry connects students with landlords and other students seeking roommates. This service is free for both landlords and students and includes search features for housing type, price range, and number of bedrooms.
For more information:
www.trusu.ca

Student Success Courses

Courses are designed to assist students to learn and apply strategies for academic success. These one credit university-level courses are open to all students who meet the language requirements of the institution. Contact the Counselling Department for more information or visit, www.tru.ca/hse/programs/prep.

Supplemental Learning

Supplemental Learning (SL) is an academic support program linked to a variety of introductory courses. In courses supported by SL, students are invited to attend weekly sessions. SL sessions provide structured and informal opportunities to study with your peers. Sessions are led by a student who has previously excelled in completing the course.. SL sessions integrate how-to-learn (study skills) with what-to-learn (course content) in a relaxed and collaborative environment.

For more information:
Phone: 250.828.5277
Website: www.tru.ca/studentservices/sl

TRU Interfaith Chaplaincy

Chaplaincy Aims and Objectives

- To participate in and contribute to all aspects of TRU experience from a religious or spiritual perspective;
- To provide religious and spiritual care for all the diverse membership of the TRU community;
- To work as a team, exemplifying inter-faith dialogue and cooperation;
- To serve co-operatively with TRU Student Services Counselling and other support service providers;
- To support and encourage members of the TRU community in their relationships with the broader community in respect of religious and spiritual interests and concerns;

By offering:

- Spiritual or Religious Supports and Encouragements
- Guidance and Resources in Times of Personal Concern, Conflict or Crisis
- Opportunities for Companionship, Prayer, Study and Service on Campus
- Educational Events Related to Spiritual and Religious Experience and Insight
- Celebration of Holy Days and Commemorative Occasions
- Connection with Local and Regional Faith Communities and Events on or off Campus

For more information:
Phone: 250.371.5772
Email: chaplains@tru.ca
Website: www.tru.ca/studentservice/Interfaith_Chaplaincy

TRU Students' Union (TRUSU)

The Thompson Rivers University Students' Union (TRUSU) is the membership organization of all students enrolled at the TRU Kamloops campus. It is a registered society with a Board of Directors elected annually from and by the student body. The TRUSU provides students the means to work together to advocate for their interests, offer relevant and cost-effective services, and organize campus entertainment.

Individual Advocacy:
Students facing conflicts or challenges in their classes, with their employers, with their landlords, or with harassment or discrimination can access help from the Students' Union Member's Advocate. Appointments with the Member's Advocate can be booked by calling 250.828.5289 or email info@trusu.ca.

Equity Collectives:
The Students' Union operates four equity collectives to advance equality within the student body and to address the interests of specific groups on campus. The Women's Collective, Aboriginal Collective,

International Students' Collective, and Graduate Students' Collective are each chaired by an advocacy representative serving on the Students' Union Board of Directors, and organize campaigns and events that students can get involved in.

Student Caucus:
The Student Caucus is a forum that includes all student representatives on committees and governance bodies across the university. It provides training, resources, and opportunities for discussion to ensure that students can fully and meaningfully participate in decision-making at their university. Students interested in joining the Student Caucus and serving as a representative of their peers can contact caucus@trusu.ca.

Campaigns and Government Relations:
The Students' Union has a fundamental mandate to advance students' interests and to work together to achieve positive change at all levels of decision-making that affect students. This is achieved through campaigns run here on our campus and with other students' unions in the Canadian Federation of Students, which call for lower tuition fees, effective university funding, better public transit, increased sustainability, and more. Volunteers can contact campaigns@trusu.ca.

Events Calendar:
The Students' Union and its Clubs organize many events throughout the year. These include the Kickstart Barbeque, Movie Nights, Clubs Days, Tunes Against Tuition Fees Concerts, Common Voices Lectures, and more. For more information, visit: www.trusu.ca

Discount Tickets and Passes:
To ensure that activities and entertainment in the Kamloops community are affordable for students, the Students' Union negotiates partnerships with local businesses and organizations to provide discount tickets and passes. These include Kamloops Blazers hockey tickets, Kamloops Film Society tickets, Sun Peaks Resort passes, and Bikram Yoga passes, and are available at the Members' Services Desk in the Students' Union Building.

Clubs:
There are currently over 80 student Clubs organized and ratified through the Students' Union. These Clubs organize around programs of study, common interests, ethnicities, and political and religious beliefs. They foster student success, provide social opportunities, and organize campus activities. The Students' Union provides Clubs with comprehensive services including banking, free banner and poster printing, mail and email service, meeting rooms, and event funding.

A directory of current Clubs can be found at www.trusu.ca

Extended Health and Dental Plan:
The TRUSU Extended Health and Dental Plan supplements healthcare coverage provided through the Medical Services Plan of British Columbia by providing additional coverage for dental care, pharmaceuticals, optical care, and additional healthcare practitioners.

All full-time students enrolled at the Kamloops campus are automatically enrolled in the Plan. Part-time students may opt-in to the Plan and students enrolled in the Plan may enroll spouses and dependents by bringing their Course Registration Data Form to the Members' Services Desk in the Students' Union Building and paying the appropriate fee(s).

Students may opt-out of the Plan by completing an online form at trusu.ca and providing proof of comparable coverage including the insurance provider and policy number. This must be done before the deadline set 30 days after the course start date.

For complete information about the Plan, visit www.trusu.ca

International Student Identity Card:
The International Student Identity Card (ISIC) is an internationally recognized form of student identification issued in 124 countries. It provides access to travel and other discounts in Canada and abroad.

The ISIC is available free of charge to Students' Union members. To apply students must bring proof of enrolment and a piece of government-issued photo identification to the Members' Services Desk in the Students' Union Building.

Online Services:
The Students' Union operates a suite of online services that connect individual students to each other and the community to save time and money. These include Book Exchange, Tutor Registry, the Ride Share, and Studentsaver.

Students' Union Building and Common Grounds Coffee House:
The Students' Union Building, a student-owned and operated building on campus. The building offers students many amenities including social space; bookable rooms for study, group meetings, and events; and a games room and television lounge. It is also the location of the Common Grounds Coffeehouse, the only student-owned and operated food service on campus. Common Grounds maintains the highest social and environmental standards by offering fairly traded organic espresso, locally catered food, biodegradable cups, fair wages for student employees, and extended hours.

UPASS:
The UPASS is a universal pass for the Kamloops public transit system. Operating as an agreement between the Students' Union, the City of Kamloops, and BC Transit, the UPASS is available to all members. In addition to providing free access to transit, the UPASS provides free access to the Aquatic Centre and a 50% discount on monthly gym memberships at the Tournament Capital Centre.

To obtain a UPASS, a student must bring her student identification card and Course Registration Data Form to the Members' Services Desk in the Students' Union Building.

Students may opt-out of the UPASS under a limited number of specific circumstances.

For more information:
250.828.5289
www.trusu.ca
Twitter @trusu15

TRU Wellness Centre
The TRU Wellness Centre promotes the well-being of our growing and diverse TRU community. The Wellness Centre values the health of all employees and students on campus and aims to provide unique, educational and fun programs that will help provide the skills and tools

needed to create a more harmonious and balanced lifestyle. The Centre provides:

- Individual wellness plans and health and wellness consultations
- Presentations to classrooms on wellness issues such as stress management, nutrition, healthy relationships, responsible drinking, etc.

Campus-wide activities such as yoga, awareness meditation, wellness breaks, sexual health week, nutrition education, TRU on the Move activity challenges, etc. Appointments with the Wellness Coordinator are available. Details available at www.tru.ca/wellness.

Writing Centre

Whether you are a student, staff member or faculty at TRU, the Writing Centre is able to assist you by providing feedback on your writing. Both beginning and professional writers benefit from feedback on their work. During the semester, you may receive help with any stage of the writing process, including generating ideas; organizing; managing issues of sentence structure, grammar, punctuation, and documentation; revision and editing. You may also choose to come in without a draft for help with a specific writing problem.

Connect with us:
In-person: Old Main, Room 2674.
250.371.5689
writing_ctr@tru.ca
www.tru.ca/studentservices/writingcentre

Campus Services

Athletics and Recreation

TRU has a large athletic program competing in eleven varsity sports. Varsity athletics is for the accomplished athlete who wants to compete at a higher level of sport. Team sports include: Basketball, Volleyball, Soccer, Badminton, Cross Country Running, Golf (Men's). Baseball and Hockey are also available as collegiate team affiliated with TRU.

TRU Recreation organizes a variety of special events, intramural sports, drop-in activities and fitness initiatives for staff, faculty and students of the university. The gymnasium facility includes a squash court, change rooms with showers and lockers, and a full sized gym floor. A minimum fee may apply for selected gymnasium services.
www.tru.ca/athletic

Board of Governors Meetings

The TRU Board meets four to five times per year. Students and the general public are invited to attend 'public' meetings. The meeting schedule and agenda can be found online at: www.tru.ca/board

For more information on the Board of Governors, please contact:
Coordinator, University Governance
250.828.5318
Chancellor@tru.ca

Bookstore

Located on the first floor of the Campus Activity Centre, the Bookstore sells TRU apparel, stationery, calculators, art supplies, phone cards, greeting cards, specialized materials required by some courses, giftware, snack food, and grad gown rentals.

By mid-August, many textbooks required for your course work will be available. Both new and used textbooks can be returned for a full refund up to two weeks after classes begin, providing you have the original receipt and the textbook is unmarked in any way.

For hours of operation or to purchase books online, visit thebookstore.tru.ca

Used book buy-backs run all year long. For more information and to find the value of used books visit www.thebookstore.tru.ca

Campus Activity Centre

The Campus Activity Centre (CAC) serves Thompson Rivers University community with a variety of facilities and programs. The Campus Activity Centre provides a setting for individuals to socialize and to meet one another outside of the classroom. The interaction is facilitated by the many exciting cultural, educational, recreational and entertainment events that are held in various areas of the Centre.

The Campus Activity Centre provides several hospitality venues that serve the University. Our state-of-the-art facilities include:

- TRU Bookstore
- Terrace Cafeteria
- Heroes Pub
- Grand Hall &meeting rooms
- Simply Computing -. Visit our website www.simply.ca or phone 250.372.2811.

For more information about the Campus Activity Centre, visit www.tru.ca/cac or call 250.371.5723.

Campus Card

This photo identification card is required to access Library services, to obtain the Students' Union U-Pass and is used in a variety of ways on campus for identification. The campus card may also provide various student discounts at merchants throughout the City of Kamloops. It is available at the Bookstore in the CAC upon receipt of registration fees.

Canada Post Mail Boxes

Pick-up boxes are located outside the Main Library

Cariboo Childcare Society

- Provide exceptional care for the children and families in a safe, healthy learning environment
- Primarily serve the childcare needs of the students at Thompson Rivers University as well as the faculty , staff and community families

- Offer educational opportunities for university students in programs that relate to the development of children

All of the staff at Cariboo Child Care are qualified Early Childhood Educators and staff working in our School Age programs have training specifically for working with children 6 - 12 years of age, as well as ECE certification.

For more information including details on fees, programming, application and enrolment information, visit tru_a/daycare

Environment and Sustainability

The Department of Environment and Sustainability works to design and implement the Campus Strategic Plan sustainability components through advocacy, communication and coordination including supporting sustainability research and cost-effective green initiatives. It provides support and resources for students, staff, and faculty who are interested in making TRU "The University of Choice for Environment and Sustainability" and works with individuals and organizations within the Kamloops community to make our city a greener place to live.

For more information visit www.tru.ca/sustain

Facilities Services

Facilities Services is responsible for the renovation, maintenance and cleanliness of all TRU buildings, grounds and facilities, and the provision of campus security, traffic control, parking and furniture support services.

Information or assistance on Facilities Services matters can be provided as follows:

- Building maintenance and janitorial services: 250.828.5388.
- For security or building access information see the Security section.

Food Services

There are several options for food services on campus: the Culinary Arts Training Centre, TRU Students Union, and Aramark Higher Education services.

The Culinary Arts Training Program operates the Culinary Arts Training Centre (CATC) and Accolades Dining Room in the CATC building. For more information and hours of operation, visit:
Cafeteria: www.tru.ca/act.culinary/cafeteria
Accolades Dining Room: www.tru.ca/act/culinary/diningroom

ARAMARK Campus Services operates food service outlets in the CAC, House of Learning, Old Main, International Building and the Science Building. For a detailed listing of food outlets, visit:
www.tru.campusdish.com or call 250.371.5720
For catering services call 250.828.5005

The Thompson Rivers University Students' Union operates the Common Grounds Coffeehouse, located in the Students' Union Building. It offers fair trade organic espresso, locally catered food, biodegradable cups, fair wages for student employees, and extended hours of operation. For more information, visit www.trusu.ca or call 250.828.5289.

Health and Safety Department

The Department of Health and Safety works collaboratively with all departments, faculties, students and various Building and Joint Health and Safety Committees to ensure that the campus community is a safe and secure place to work and learn. Any and all injuries or illnesses resulting from activities on Thompson Rivers University's campuses must be treated by campus first-aid or a designated first aider, and then reported to their Supervisor and the TRU Safety Officer.

Contact Information:
Old main, Room 1461
Campus Security: 1111 (24 hours/day)
Ambulance: 911
Website: www.tru.ca/hsafety

Accident Insurance Coverage for Students
Thompson Rivers University has arranged an Accident Insurance Plan for registered students (excluding general interest students), who are actively attending classes or participating in an approved TRU course or activity.

Coverage is in effect for all eligible students while on TRU property or premises; or, in transit to an approved activity or venue. This policy provides a maximum of $25,000 for Accidental Death or Dismemberment.

Additional benefits are covered under this policy, and further information can be obtained by contacting the Medical Office Assistant in Health Services Premium funding for this insurance plan will be paid 100% by Thompson Rivers University, through the University Activity fees.

Provincial WorkSafe BC Coverage
WorkSafe BC coverage is in place for students:

- Who participate in a required practicum as identified in the TRU Calendar at a recognized work site.
- During classroom/lab/shop instruction for students in a recognized apprentice program.

WorkSafe BC coverage is not in place for any other students.

Health Services Medical Clinic
The operation of the University medical clinic also falls under the management of the H&S department. Thompson Rivers University has physicians available on an appointment basis, five days a week, for all students, staff, and faculty.

Any person having a chronic medical condition such as epilepsy, diabetes or heart disease are encouraged to notify Health Services of this fact, so that the physicians can be provided with advance notice in case of an emergency. Health Services retains all medical documentation and immunization records as may be required by specific institutional programs; in a secure and confidential manner.

Contact Information:
Location: Old Main, Room 1461
Phone: 250.828.5126
Emergencies: On-campus extension 1111 or 911

Hours: 8:30 am to 4:00 pm (appointments available)

Information Technology Services

IT Services provides the following services:

1. The IT Service Desk provides assistance to students, Faculty and staff who are having issues with computer hardware, systems and applications.
2. Communications systems: Data, telecom technologies, and classroom audio visual equipment and repair. To book equipment, contact 250.828.5070 or email loanout@tru.ca
3. Equipment is available to staff and Faculty and to students with the permission of their instructors. It is recommended you book two to three days in advance.
4. TRU Servers and Server Infrastructure maintenance and repair and backup, Staff and Faculty E-Mail, and Printing.
5. Development, maintenance, protection, and enhancement of the University's critical information systems infrastructure including Student, Faculty and staff self-service capability through myTRU, the TRU website, and learning management systems (i.e. Moodle)

Service Desk Locations:

Old Main, Room 1326
House of Learning – Learning Commons
Phone: 250.852.6800 or 1.800.852.8522
Email: ITServiceDesk@tru.ca
Website: www.tru.ca/its

Lost And Found

Located in Student Awards & Financial Support
Old Main, Room 1631
250.828.5024

Outdoor Events

Student clubs, departments and other organizations may book outdoor spaces for events by obtaining a use permit available from Ancillary Services. Use permits are required for all organized outdoor events.

Parking

Information on campus parking services, charges, passes and violations are available:
Phone: 250.828.5368
Email: parking@tru.ca
Website: www.tru.ca/facilities/coreservices/parking
Paid parking is in effect Monday through Friday, except when the University is officially closed.

Print Shop

The Print Shop is located at Old Main, room 1206. Services include self-service copying, full color copying, black and white as well as full color transparencies/overheads, scanning to disk, printing from disk, printing from e-mailed files, document binding and laminating.

For more information, visit:
Website: www.tru.ca/pintshop
Phone 250.828.5380
E-mail (mailto:printshop@tru.ca)

Security

Campus security services are provided by Concord Security Corporation on a 24-hour basis.

Building Access: Students requiring after-hours access must obtain prior authorization through their instructors. Authorized after-hours access can be obtained by contacting the Campus Security

Contact:
House of Learning (HL) 128
Phone: 250.828.5033
Emergencies call 911

Senate Meetings

The TRU Senate meets on the fourth Monday of the month, except in July and August. Students and the general public are invited to attend 'public' meetings.

The meeting schedule and agenda can be found on the Senate's website www.tru.ca/senate

For more information on the Senate, please contact:
Coordinator, University Governance:
Phone: 250.828.5318
Email: senate@tru.ca

Student Newspaper

The Omega, Thompson Rivers University's Independent Student Newspaper, is a free press publication written by TRU students for the TRU campus community of students, faculty, and staff.

At least 1500 newspapers are distributed to sites on and off campus, every Wednesday throughout the academic year, and once per month during the summer. Students are encouraged to volunteer at the paper as contributors or board members.

TRU Alumni & Friends Association

The Alumni & Friends Association informs, involves, connects, and educates through a variety of activities such as the Career Mentor Program which connects current students with recent grads and a variety of annual scholarship and bursary programs.
For more information: www.trualumni.ca
Phone: 250.828.5264

TRU Foundation

The TRU Foundation is dedicated to the advancement of education and other charitable purposes beneficial to TRU. Activities in support of the Foundation are accomplished through the efforts of a volunteer Society, Advancement staff, and community supporters.
For more information: www.tru.ca/foundation

TRU Theatres and Art Gallery

TRU has two theatres for the presentation of performances and an Art Gallery as well as a number of informal spaces for the exhibition of artworks. These venues are used for exhibitions and performances of works by TRU students and faculty as well as providing venues for artists, performers, authors, etc., who come to campus in conjunction with such programs as "Cultural Events" and the "Visiting Artist Program.

Actor's Workshop Theatre:

A 'state of the art' theatre which can be modified into a variety of configurations, and is used by students of the "Actor's Workshop" for the production of plays associated with TRU's Theatre Program.

Alumni Theatre:

The rehearsal and teaching space for the TRU Chorus.

TRU Fine Arts Gallery:

Used for regular exhibitions of artwork by TRU students and faculty, and presentations by artists from across Canada as part of the "Visiting Artist" program.

University Library

The TRU Library system consists of the Main Library, the Brown Family House of Learning Library, and the Williams Lake Campus Library.

The TRU Library's website serves as the main portal for access to all of TRU Library's resources and services. Access to the library catalogue, research guides, and electronic reference services (email, Facebook and AskAway) is available to everyone, while off-campus access to licensed online resources is restricted to current TRU students, faculty, and staff. www.tru.ca/library

Library Services include:

Research assistance

Librarians offer individualized, in-depth, one-on-one research consultations by appointment. Librarians also teach information literacy skills and effective research strategies through a graduated library instruction curriculum catering to the various academic levels and disciplines.

Collections

The TRU Library supports all of the University's programming with a wide range of print and online materials which includes 280,000 volumes, 18,000 periodical subscriptions, 95+ article and research databases, an extensive collection of government documents, pamphlets, microforms, and audiovisual materials.

Borrowing

TRU students must have a valid Student Card which serves as the TRU library card and must be presented every time library materials are borrowed. A current library account is also required for off-campus access to restricted resources (e.g., article databases) and for self-service features (e.g., renewing books online. For more information about TRU Library services and policies, visit www.tru.ca/library

Interlibrary Loans

The TRU Library's Interlibrary loans service will try to obtain study and research materials that are not held by the TRU Library for current TRU students, staff and faculty.

Study Facilities

The TRU library offers a variety of spaces for studying including group spaces and individual study carrels. Group study rooms, some equipped with SMART Boards, are bookable online. Computers with a variety of productivity software and applications are found in all library locations.

Williams Lake Library

The Williams Lake TRU Library collection consists of over 10,000 items including a variety of audio visual material. Students and faculty have access to all print and electronic TRU Kamloops Library holdings. Items not available locally can be obtained through the interlibrary loan network.

Library Hours

Library branch hours vary. For details, visit www.tru.ca/library or call:

Kamloops: 250.828.5301

Williams Lake: 250.392.8030

Faculty of Adventure, Culinary Arts and Tourism

Bachelor of Tourism Management Degree

Four-year undergraduate degree program. Graduates receive a Bachelor of Tourism Management (BTM) degree.

Learning Options

Full-time or Part-time Study

Full or part-time study is available.

On-Campus

Offered on the main campus of TRU in Kamloops.

Distance Education

Many courses are available by distance education and may be transferred in as part of the degree.

Program Start Dates

Students may enter the program in the Fall, Winter, or Summer semester.

Program Overview

TRU's Bachelor of Tourism Management (BTM) has the distinction of being the first tourism degree in British Columbia and has grown to offer more specialty focus areas than any other tourism degree in Canada. This is a forward thinking, innovative, and engaging degree for students who are looking to become leaders and managers in the international experience economy.

The degree was developed with the participation and input of our partners in education: industry, students and alumni. It reflects the current and emerging realities of this dynamic field and is constantly evolving in order to better serve both our students' needs and emerging industry challenges.

The BTM is delivered by a team of talented and innovative faculty who work with students that are motivated and eager to take on the challenges facing tourism in the new millennium.

Courses provide a blend of theory and practice. Assignments introduce students to current management issues with local, regional, national and international tourism businesses and organizations. These assignments are designed to give students the skills and confidence to develop their own tourism businesses and/or fill the growing need for managers in the tourism industry.

Learning Experiences

All students are required to complete a minimum of 500 hours of tourism-related work experience to integrate theory with field application.

Students work in partnership with various communities via the BTM. This provides value to our students by including applied field assignments, as well as the opportunity to give back to local communities by linking them to the developing expertise of our students.

Up to six credits of course work can be achieved via co-operative education. Students are able to access a number of international opportunities, including study abroad and field school programs.

All BTM students complete an original independent research project with direct application to the tourism industry as the capstone course within the degree.

International Opportunities

There are increasing numbers of international students in the program, and a growing number of international opportunities for meeting degree requirements including Study Abroad, International Co-op and Field Schools. The program works closely with the TRU Study Abroad Office and is actively engaged in developing partnerships with universities worldwide visit www.truworld.ca/exchange.

Field schools are established in various locations around the world that enable you to study on location to integrate practical and theoretical learning.

Co-operative Education

In order to meet all requirements for graduation, students must have a minimum of 500 hours (12-14 weeks) documented, relevant work experience supported by industry references indicating capable performance. If this requirement is not met upon admission, it must be completed prior to admission to year four of the BTM.

Students have the option of completing this requirement via two co-op work terms as part of their studies in the BTM Co-operative Education is the integration of academic studies with paid work terms related to the student's studies. Students receive 6 lower level elective credits for completing two work terms.

Each co-op work term for the BTM is four months in length and can be completed in a number of ways. The model below is the most common way to complete the two Co-op work terms. Students will apply to co-op in September or January and will work with the Tourism Co-op Coordinator to make this experience as rewarding as possible.

Students must complete a minimum of 30 first year credits with a cumulative GPA of 2.33 to enter the BTM Co-op Option and must maintain a cumulative GPA of 2.33 to remain eligible for Co-op.

Sample BTM Co-op Time Pattern

(Two Co-op Work Terms Required)

	Sept.-Dec.	Jan.-Apr	May-Aug.
Year 1	Academic Semester 1	Academic Semester 2	Co-op Work Term
Year 2	Academic Semester 3	Academic Semester 4	Co-op Work Term
Year 3	Academic Semester 5	Academic Semester 6	Co-op Work Term
Year 4	Academic Semester 7	Academic Semester 8	Graduation

Admission Requirements

1. BC grade 12 or equivalent or mature student status.
2. English 12/English 12 First Peoples with 73% or better (or equivalent) within the last 5 years; or completion of ENGL 0600; or

Language Proficiency Index (LPI) with a Level 45 or better within the last 2 years; or completion of ESAL 0570 and ESAL 0580 with a minimum grade of C+ (or equivalent).

3. Foundations of Math 11 or Pre-calculus 11 (C minimum) or Principles of Math 11 (C minimum) or Applications of Math 11 or Math 0510 (C minimum) or equivalent.

NOTE: Students with Principles of Math 12 (C+ minimum) or Foundations of Math 12 (C+ minimum) will be exempt from MATH 1100.

Computer Skills
Students with little or no experience using computers are advised to take an introductory computer course that familiarizes them with Microsoft application software.

Admission Process

Applications are available from the TRU Admissions Office at www.tru.ca/admissions/apply

The following documentation must be included with applications:

- The application fee
- Official transcripts for all secondary and post-secondary institutions attended
- Detailed resume outlining educational accomplishments and credentials, work and volunteer experience, and personal interests and activities.

Transfer to TRU

Applicants who have previous credits in appropriate university or college courses may apply them toward the requirements of the degree. Course work from other institutions will be assessed at time of application to the BTM. Students may wish to consult the BC Transfer Guide for information on transferability of credits and to find out if particular courses will transfer to TRU bctransferguide.ca.

It is common for students to enter the BTM in 3rd year after completing a 2-year tourism or business-related diploma. The program is designed to accommodate these students, as well as students entering in 1st or 2nd year.

A maximum of fifty percent of the program credit requirements can be fulfilled by transfer credit.

Transfer Agreements

As most of the tourism programs within British Columbia have a core curriculum, transfer between these programs occur with ease.

Here are some of our articulated transfer agreements:

- Algonquin College: Outdoor Adventure Diploma (Ontario)
- Grant McEwan University: Travel Program (Alberta)
- Lakeland College: Adventure Tourism & Outdoor recreation Diploma (Alberta)
- Queenstown Resort College – Diploma of Adventure Tourism Management (New Zealand)

Further queries about transfer agreements can be directed to the Program Coordinator.

Laddering Credit from other Programs

Many tourism and business based diplomas have been designed to "ladder" or internally transfer into the BTM. All of the TRU programs below have the ability to ladder as many as 60 credits towards the BTM (credits may vary depending on Concentration/Major selected by student):

- Adventure Guide Diploma
- Adventure Management Diploma
- Canadian Mountain and Ski Guide Certification Program
- Events & Conventions Management Diploma
- Resort & Hotel Management Diploma
- Sport Event Management Diploma
- Tourism Management Diploma

Program Policies

In addition to meeting TRU's residency policy, a least 50% of courses at the 3000 and 4000 level must be completed at TRU in order to earn a TRU BTM degree.

Extensions to this policy may be granted with prior approval to students involved in academic exchanges with other post-secondary institutions.

To remain in the BTM program after admission:

- Students must maintain a cumulative CGPA of at least 2.00 calculated using BTM courses only.
- Students cannot repeat a course more than twice; and
- Students failing to meet the CGPA requirements will be placed on a learning contract.

Advancement into Year Three of the TRU BTM requires a minimum CGPA of 2.0 (BTM courses only).

Third year standing in the BTM is defined as:

- 54 or more credits completed
- CGPA of 2.0 or better (BTM courses only)
- At minimum, the successful completion of the following courses (or approved equivalents): CMNS 1810, STAT 1200, TMGT 1110, TMGT 1150, ACCT 1000 and ECON 1220

In order to gain graduate status, a CGPA of no less than 2.0 (BTM courses only) is required.

Program Options

The BTM is a 120-credit degree. The first 60 credits provide a solid foundation for the management of tourism businesses. The second 60 credits enable students to choose one seven Concentrations that are unique to the TRU program and offer an unparalleled opportunity for students to pursue in-depth studies in areas of particular interest to them. The program is organized into two main streams:

1. Adventure Studies
2. Tourism

1. Adventure Studies

Adventure Studies within the Bachelor of Tourism Management Degree equip students for growing needs of the adventure travel industry. Governments, businesses, organizations and communities require tourism experts to help develop, direct and promote adventure experiences in their villages, cities, regions and countries.

Program Requirements

Year 1 and Year 2 (60 credits):

Description	Credits	Courses
Communications & New Media	6 credits	CMNS 1810 and JOUR 2060
Statistics	3 credits	STAT 1200
Organizational Behaviour	6 credits	TMGT 1140 and TMGT 1160
Marketing	6 credits	TMGT 1150 and one of: EVNT 2190, EVNT 2250, HMGT 2120
Finance & Decision Making	3 credits	ACCT 1000
Economics	3 credits	ECON 1220
Tourism Essentials	3 credits	TMGT 1110
Hospitality/Business Law	3 credits	TMGT 2250
Culture, Geography and History	3 credits	TMGT 2060
Environmental Stewardship	3 credits	TMGT 2610
Unspecified Electives	21 credits	Students without prior adventure tourism education must take ADVG 3110 and 3130 – please contact BTM advisor for approval
Field Work	500 hours	Students must have documented relevant work experience supported by industry references indicating capable performance. Requirement can be done on own or via the Co-op program.
Notes: Many students use unspecified electives to apply activity courses transferred into the BTM from previously completed adventure based diploma programs or for study abroad opportunities. Students who wish to take other Tourism Management concentrations need to take MATH 1100, TMGT 2010 and ECON 2200.		

Year 3 and Year 4 (60 credits):

Requirement	Credits	Courses
Capstone	3 credits	ADVG 4080
Core	18 credits	ADVG 3200, CMNS 3020, TMGT 3020, TMGT 3050, TMGT 4080 and either ADVG 4010 or TMGT 3030
Themes	9 credits (3 credits from each theme area – see note)	**Theme area 1: Culture and Place** ADVG 4220 TMGT 3010, TMGT 4090, TMGT 4100, TMGT 4220 **Theme area 2: Global Perspectives** ADVG 4050, ADVG 4160, TMGT 4030, TMGT 4040, TMGT 4160, TMGT 4981 **Theme area 3: Experience Design** ADVG 4040, ADVG 4200, TMGT 4010, TMGT 4050, TMGT 4130, TMGT 4170, TMGT 4180, TMGT 4210
Major/Concentration	15 credits or 24 credits	15 credits for concentrations 24 credits for a major or no concentration (includes capstone course)
Electives	24 credits	12 credits must be at the upper level
Notes: **Themes**: Some theme requirements may be naturally met through a students' concentration or major. Otherwise, credits for theme fulfillment will come from a students' upper-level elective space.		

Adventure Studies - Major & Concentrations

Program	Credits	Courses & Notes
Adventure Studies Major	24 credits	24 credits at the ADVG 4000 level
Adventure Studies Major – Honours	36 credits	ADVG 4010, TMGT 4020, TMGT 4990 (6 credits) 24 credits from: ADVG 4020, ADVG 4030, ADVG 4040, ADVG 4050 ADVG 4070 ADVG 4090, ADVG 4100 (6 credits), ADVG 4110, ADVG 4210, ADVG 4220, ADVG 4230 Students with a CGPA of 3.0 or better can apply to the Honours program upon completion of Year 2 of the BTM. Students will be admitted to the Honours program in Year 3 and must maintain a CGPA of 3.0 or better with no grade lower than B- in order to remain in the Honours program.
Adventure Studies Minor	15 credits	ADVG 4010 9 credits: ADVG 4020, ADVG 4030, ADVG 4040, ADVG 4050, ADVG 4070, ADVG 4090, ADVG 4100 (6 credits), ADVG 4110, ADVG 4210, ADVG 4220, ADVG 4230
International Adventure Tourism Development Minor	15 credits	ADVG 4010, ADVG 4050, ADVG 4090, ADVG 4110, ADVG 4110, ADVG 4100 (6 credits)
Adventure Studies Concentration	15 credits	ADVG 4020, ADVG 4030, ADVG 4040, ADVG 4210, ADVG 4220
International Adventure Tourism Concentration	15 credits	ADVG 4050, ADVG 4090, ADVG 4160, ADVG 4220, ADVG 4100
Nature-based Community Development Concentration	15 credits	ADVG 4090, ADVG 4140, ADVG 4200, ADVG 4230, ADVG 4120 (6 credits) or ADVG 4130

2. Tourism

A Tourism Concentration within the Bachelor of Tourism Management (BTM) program will help develop tourism professionals who have the knowledge and skills needed to effectively compete within a dynamic environment, identify existing and emerging market opportunities, and develop ventures to take advantage of them. Most importantly, these professionals will be equipped with the necessary expertise to effectively manage these ventures as they navigate the turbulent waters of their industry and grow into mature, innovative, and thriving organizations.

Program Requirements

Year 1 and Year 2 (60 credits):

Description	Credits	Courses
Communications & New Media	6 credits	CMNS 1810 and JOUR 2060
Statistics	3 credits	STAT 1200
Mathematics	3 credits	MATH 1100
Organizational Behaviour	6 credits	TMGT 1140 and TMGT 1160
Marketing	6 credits	TMGT 1150 and one of: EVNT 2190, EVNT 2250, HMGT 2120
Finance & Decision Making	6 credits	ACCT 1000 & TMGT 2010
Economics	6 credits	ECON 1220 & ECON 2200
Tourism Essentials	3 credits	TMGT 1110
Hospitality/Business Law	3 credits	TMGT 2250
Culture, Geography and History	3 credits	TMGT 2060
Environmental Stewardship	3 credits	TMGT 2610
Unspecified Electives	12 credits	Students without prior adventure tourism education must take ADVG 3110 and 3130 – please contact BTM advisor for approval
Field Work	500 hours	Students must have documented relevant work experience supported by industry references indicating capable performance. Requirement can be done on own or via the Co-op program.
Notes: Many students use unspecified electives to apply activity courses transferred into the BTM from previously completed adventure based diploma programs or for study abroad opportunities.		

Year 3 and Year 4 (60 credits):

Requirement	Credits	Courses
Capstone	3 credits (specific to concentration)	Resort Experience: HMGT 4800 Innovation & Entrepreneur: TMGT 4800 Festival & Events: EVNT 4800 Mountain Studies: MTST 4800 General: TMGT 4020
Core	18 credits	ADVG 3200, CMNS 3020, TMGT 3020, TMGT 3050, TMGT 4080 and either ADVG 4010 or TMGT 3030
Themes	9 credits (3 credits from each theme area – see note)	**Theme area 1: Culture and Place** ADVG 4220 TMGT 3010, TMGT 4090, TMGT 4100, TMGT 4220 **Theme area 2: Global Perspectives** ADVG 4050, ADVG 4160, TMGT 4030, TMGT 4040, TMGT 4160, TMGT 4981 **Theme area 3: Experience Design** ADVG 4040, ADVG 4200, TMGT 4010, TMGT 4050, TMGT 4130, TMGT 4170, TMGT 4180, TMGT 4210
Concentration	15 credits	15 credits for concentrations
Electives	24 credits	12 credits must be at the upper level
Notes: **Themes**: Some theme requirements may be naturally met through a students' concentration or major. Otherwise, credits for theme fulfillment will come from a students' upper-level elective space.		

Tourism - Concentrations & Minors

Concentration	Credits	Courses
Innovation and Entrepreneurship Concentration	15 credits	TMGT 4010, TMGT 4110, TMGT 4120, TMGT 4140, TMGT 4150
Festivals & Events Concentration	15 credits	EVNT 3800, TMGT 4010, TMGT 4050, TMGT 4090, TMGT 4981
Mountain Studies	15 credits	TMGT 3040, TMGT 4030, TMGT 4220, TMGT 4700, TMGT and either 4010 or TMGT 4050
Resort Experience	15 credits	HMGT 3000, TMGT 4030, TMGT 4150, TMGT 4170, TMGT 4180
General – no concentration	15 credits	15 credits from any ADVG, EVNT, HMGT, MTST and TMGT courses at the 3000-4000 level
Environmental Economics and Sustainable Development Minor*	15 credits	12 credits from ECON 3410, ECON 3690, ECON 3700, ECON 3710, ECON 3730, ECON 3740, ECON 3990, ECON 4720, ECON 4990 3 credits from: TMGT 3040, TMGT 4040

*Minor program is under review to create a better fit with new program structure.

Program Contact

250.828.5366

Post-Baccalaureate Diplomas in Tourism

One to two year programs for students who have completed a bachelor's degree. Graduates receive a diploma in a particular area of study.

Learning Options

Full-time or Part-time Study:

Full or part-time study is available.

On-Campus:

Courses are offered at TRU's Kamloops campus.

Program Start Dates:

Students may enter the program in the Fall or Winter semesters.

Program Overview

Post-Baccalaureate Diplomas (PBD) in Tourism are offered in the following four areas:

- Adventure Studies
- International Tourism Development
- Tourism Destination Development
  Tourism Experience Management

PBDs in Tourism are designed for students with degrees in other areas that want to return to university for one to two years to gain specialty knowledge in a functional area of tourism. The course work is predominantly upper level material from the Bachelor of Tourism Management, but results in a shorter completion time as taking the full degree. Each diploma is 39 credits and designed to complete within 1.5 years (3 semesters).

Admission Requirements

Baccalaureate Degree: An undergraduate degree from any discipline (bachelor's degree).

ENGL 1100 (C+ minimum) or equivalent (university level English academic composition course).

Admission Process

Applications are available from the TRU Admissions Office at www.tru.ca/admissions/apply

International student admissions, visit tru.ca/admissions/international

The following documentation must be included with applications:

- The application fee
- Official transcripts from all post-secondary institutions attended
- A detailed resume outlining educational accomplishments and credentials, work and volunteer experience, and personal interests and activities.

Program Requirements

PBD in Adventure Studies

Tourism Core – Required Courses (24 credits)	
TMGT 1110	Introduction to Tourism
TMGT 1150	Marketing & Customer Service
TMGT 3050	Research in Tourism
ADVG 3110	Adventure Activities (NOTE: activity fee about $675 CDN)
ADVG 3130	Adventure Operations
ADVG 4010	Business Applications for Eco & Adventure Tourism Management
ADVG 4020	Legal Liability & Risk Management for Eco & Adventure Businesses
ADVG 4220	The Culture of Adventure
Specialization Requirements (select 6 credits in total)	
ADVG 1xx0	Select from Adventure Studies activity based courses (1000-2000 year level)
	Examples include: kayaking, skiing, rock climbing, ocean surfing, etc.
Specialization Options (select 9 credits)	
ADVG 4030	Contemporary Perspectives in Eco & Adventure
ADVG 4040	Programming Experiential Activities
ADVG 4070	Directed Studies in Adventure
ADVG 4210	Adventure & Sport Marketing
ADVG 4230	Consulting in Adventure

PBD in International Tourism Development

Tourism Core – Required Courses (21 credits)	
TMGT 1110	Introduction to Tourism
TMGT 1150	Marketing & Customer Service
TMGT 3010	Community & Cultural Issues in Tourism
TMGT 3050	Research in Tourism
TMGT 4010	Experience Creation and Product Development
ADVG 4100	Adventure Field School - International (6 credits) (NOTE: activity fee of about $2,400 CDN + airfare)
Specialization Requirements (9 credits)	
ADVG 4050	International Adventure Tourism Business
ADVG 4090	Nature-Based Community Development
TMGT 4160	Tourism in a Global Environment
Specialization Options (select 9 credits)	
TMGT 2610	Environmental Issues in the Tourism Industry
TMGT 3020	Tourism Policy & Planning
ADVG 4070	Directed Studies in Adventure

PBD in Tourism Destination Development

Tourism Core – Required Courses (24 credits)	
TMGT 1110	Introduction to Tourism
TMGT 1150	Marketing & Customer Service
TMGT 2610	Environmental Issues in the Tourism Industry
TMGT 3010	Community & Cultural Issues in Tourism
TMGT 3050	Research in Tourism
TMGT 4010	Experience Creation and Product Development
TMGT 4800	Tourism Enterprise Consulting Project
Specialization Requirements (3 credits)	
EVNT 2190	Destination Marketing Organizations
Specialization Options (select 15 credits)	
TMGT 3020	Tourism Policy & Planning
TMGT 3040	Land Use Management & Tourism
TMGT 4030	Resort Management
TMGT 4040	Tourism & Sustainable Development
TMGT 4050	Event Tourism
TMGT 4210	Casino Operations Management

PBD in Tourism Experience Management

Tourism Core – Required Courses (24 credits)	
TMGT 1110	Introduction to Tourism
TMGT 1150	Marketing & Customer Service
TMGT 2610	Environmental Issues in the Tourism Industry
TMGT 3010	Community & Cultural Issues in Tourism
TMGT 3050	Research in Tourism
TMGT 4010	Experience Creation and Product Development
TMGT 4800	Tourism Enterprise Consulting Project
Specialization Requirements (3 credits)	
TMGT 4180	Managing the Tourism Experience
Specialization Options (select 12 credits)	
ADVG 4040	Programming Experiential Activities
TMGT 4130	Tourist Behaviour
TMGT 4140	Tourism Strategy
TMGT 4150	Managing Small Tourism Enterprises
TMGT 4160	Tourism in a Global Environment
TMGT 4170	Information Technology in Tourism

Program Policies

To remain in the PBD in Tourism program after admission:

- Students must maintain a cumulative CGPA of at least 2.0 (calculated using PBD courses only).
- Students cannot repeat a course more than twice; and
- Students failing to meet the CGPA requirements will be placed on a learning contract.

In order to graduate, a minimum CGPA of 2.0 is required (calculated using PBD courses only).

Program Contact

250.828.5366

Events and Conventions Management Diploma

A two-year undergraduate program. Graduates receive an Events and Conventions Management Diploma.

Learning Options

Part-time or Full-time Study

Students can study on a full-time or part-time basis.

On-campus

Courses are offered at the Kamloops campus.

Program Start Date

Students enter the program in the Fall semester.

Program Overview

Some industry experts consider the special event and group business to be the fastest growing segment of the Canadian tourism industry. This program is designed to provide a practical overview of the function, skills and knowledge required to successfully plan, organize, manage, promote, and evaluate a festival, convention, trade show, or special event. Event planning is a very detail-oriented business. As a result, this program will appeal to individuals who have a high regard for details and the creative ability to manage special events and conventions from inception to fruition.

Special events and conventions are being recognized as great generators of money into a community. Because of this, there is a tremendous increase in the number of convention facilities being built in Canada and abroad. Employment opportunities exist in corporations, associations, hotels and resorts, convention centres, municipal convention and visitors' bureaus, and destination management companies. As well, there are plenty of opportunities for graduates with an entrepreneurial spirit to start their own business.

All courses provide a blend of theory and practice. Assignments introduce students to current management issues with local, regional, national and international tourism businesses and organizations. These assignments are designed to give students the skill and confidence to develop their own tourism businesses and fill the growing need for managers in the tourism industry.

Learning Experiences

Work Experience

In order to meet all requirements for graduation, students must have a minimum of 500 hours (12-14 weeks) documented, relevant work experience supported by industry references indicating capable performance. If this requirement is not met upon admission, it must be completed prior to the completion of your course work.

Field Trips

Some Tourism Management programs include mandatory field experiences. This component has been included so that the students can better understand some of the concepts discussed in class. While costs will be kept to a minimum, students will be required to contribute to the overall cost of field trips via activity fees, currently set at $612.

Admission Requirements

1. BC Grade 12 or equivalent or mature student status
2. English 12/English 12 First Peoples with a 73% or better (within the last 5 years) or completion of ENGL 0600, or Language Proficiency Index (LPI) with a Level 5 or better within the last 2 years or completion of ESAL 0570 and ESAL 0580 with a minimum grade of C+ or equivalent
3. Foundations of Math 11 (C minimum); or Pre-calculus 11(C minimum) or Principles of Math 11 (C minimum); or Applications of Math 12; or MATH 0510 (C minimum) or equivalent

NOTE: Students with Principles of Math 12 (C+ minimum) or Foundations of Math 12 will be exempt from Finite Math (MATH 1100 and will need to make up the 3 credits with an elective of their choice).

Computer Skills

If students entering the program have little or no experience using computers, they are advised to take an introductory computer course that familiarizes them with Microsoft application software.

Admission Process

Applications are available from the TRU Admissions Office at www.tru.ca/admissions/apply

International student admissions, visit tru.ca/admissions/international

The following documentation must be included with applications:

- The application fee
- Official transcripts from all post-secondary institutions attended
- A detailed resume outlining educational accomplishments and credentials, work and volunteer experience, and personal interests and activities

Program Requirements

Year One		
Fall Semester		
Course	**Course Title**	**Cr**
CMNS 1810	Business, Professional and Academic Composition	3
EVNT 1100	The World of Events	3
MATH 1100	Finite Mathematics with Applications I	3
TMGT 1110	Introduction to Tourism	3
TMGT 1160	Organizational Leadership in Tourism	3
Winter Semester		
ACCT 1000	Financial Accounting	3
HMGT 1110	Catering and Service Management	3
JOUR 2060	Introduction to Multimedia	3
TMGT 1140	Human Resources Management	3
TMGT 1150	Marketing and Customer Service	3
	Total Credits Year 1	**30**
Year Two		
Fall Semester		
Course	**Course Title**	**Cr**
ECON 1220	Introduction to Basic Economics	3
EVNT 2100	Conference Management	3
EVNT 2260	Managing Festivals and Events	3
TMGT 2010	Financial Operations Control in Tourism	3
TMGT 2250	Hospitality Law	3
Winter Semester		
EVNT 2070	Staging Special Events	3
EVNT 2170	Fundraising for Non-Profit Organizations	3
EVNT 2500	Field Experience (about $612.00 activity fee)	3
HMGT 2120	Hotel Sales and Service	3
TMGT 2590	Entrepreneurship	3
	Total Credits Year 2	**30**
NOTE: In order to receive the Events and Conventions Management Diploma, students must complete a minimum of 500 hours of relevant work experience in the tourism industry before graduating.		

Laddering Credits to other Programs

Graduates of the Events and Conventions Management Diploma are able to ladder 60 credits into the Bachelor of Tourism Management Degree. Graduates of this diploma are able to gain this degree in as little as two additional years of study. Contact the Program Coordinator for details.

Program Policies

Students must meet TRU's residency policy. Extensions to this policy may be granted with prior approval to students involved in academic exchanges with other post-secondary institutions.

To remain in Tourism Management Programs after admission:

- Students must maintain a cumulative CGPA of at least 2.00 calculated using Tourism Management Program courses only.
- Students cannot repeat a course more than twice; and
- Students failing to meet the CGPA requirements will be placed on a learning contract.

In order to gain graduate status, a CGPA of no less than 2.0 (Tourism Management Program courses only) is required.

Program Contact

250.828.5366

Adventure Guide Diploma

A two-year program offering foundational skills in the adventure tourism industry. Graduates receive an Adventure Guide Diploma.

Learning Options

Full-time

The program is offered on a full-time basis.

On-Campus

The program is offered at the Kamloops campus. Field courses are held across western Canada and western U.S.A.

Program Start Date

The program begins at the end of August or early September each year. Contact the Adventure Studies Department mailto:adventure@tru.ca to confirm start dates.

Program Overview

The Adventure Guide Diploma is a fast-paced, two-year course of study which includes theoretical study, field trips, outdoor skills instruction, and self-directed expeditions. Courses cover a wide range of adventure activities and theoretical topics. Field trips make up 60 percent of the course load.

The private sector is a major supporter of this program through training, certifying, and helping students build a network for future employment.

The diploma provides students with a solid foundation in adventure activities and builds on their previous experience. Skill assessments at the start of the program allow students to plan their electives around developing skills at the most advantageous level.

The program focuses on a wide range of activities including:

Backpacking	Nature observation
Heli-hiking	Canoeing

Heli-skiing	Hiking
Mountaineering	Ice climbing
Rock climbing	Natural history
River rafting	Scuba diving
Ski touring	Sailing
Snowboarding	Sea kayaking
Cross country skiing	Search and rescue
White-water kayaking	

Compressed, modularized classroom course instruction complements the seasonal field activities. Theory courses include the following:

- guiding leadership
- emergency management
- legal liability
- business management
- accounting
- customer service
- marketing
- instructional skills

Industry Certification

In addition to receiving the Adventure Guide Diploma, graduates of the program may be able to seek industry certification as guides or instructors in a variety of areas. Certification is dependent on the graduate's ability to meet the standard of the individual certifying organization.

Association of Canadian Mountain Guides:

Alpine Guide
Apprentice Alpine Guide
Ski Guide
Apprentice Ski Guide
Rock Guide
Apprentice Rock Guide
Assistant Hiking Guide
Hiking Guide
Climbing Gym Instructor Level 1
Climbing Gym Instructor Level II
Climbing Gym Instructor Level III
Top-Rope Climbing Instructor

British Columbia River Outfitters Association Rafting Guide License:

Oar
Paddle

British Columbia Provincial Emergency Program:

Rope Rescue Team Leader
Rope Rescue Team Member
Search and Rescue Management

Canadian Association of Snowboard Instructors:

Snowboard Instructor Level 1

Canadian Avalanche Association:

Safety for Ski Operations 1
Avalanche Skills Training 1 (AST1)

Canadian Ski Instructors Alliance:

Level I Instructor

Canadian Association of Nordic Ski Instructors:

Telemark Instructor Level I

National Association of Scuba Diving:

Open Water
Advanced Open Water
Master Diver
Dive Supervisor

Paddle Canada:

Canoe Tripping Instructor Tandem
Intro. Lake Tandem Instructor
Intro. Moving Water Tandem Instructor

Rescue Canada:

Swiftwater Rescue Technician
Swiftwater Rescue Specialist
Swiftwater Rope Rescue Technician
Swiftwater Rescue Instructor

Sea Kayak Guides Alliance of British Columbia:

Level One Guide
Level Two Guide

Transport Canada:

Restricted Marine Radio Operators License

Canoe Kayak British Columbia:

Level 1
Level 2
Level 3

Additional costs will be incurred for:

Students will also be responsible for some costs incurred during the spring self-directed expeditions. The first year expedition is a required course. A second expedition may be undertaken as an elective in the final year. Expeditions may be provincial, national, or international in nature depending upon the students' requests.

Clothing and Equipment

Students provide their personal clothing and some equipment, such as footwear, sleeping bag, backpack and other equipment as necessary. The Adventure Studies Department manages an equipment bay with rock climbing, sea kayaking, white-water kayaking, rafting, skiing, avalanche, mountaineering, rescue, and camping equipment.

Adventure Studies students have free access to this extensive equipment resource and may wish to consult with program faculty before making major equipment purchases.

Group equipment as well as (stoves, avalanche transceivers, climbing equipment, canoe and kayak equipment, and tents) is provided.

Admission Requirements

1. BC Grade 12 or equivalent, or mature student status
2. English 12 or English 12 First Peoples with a minimum of 67% (or equivalent) (within the last 5 years); or completion of English 050 with a minimum B grade; or Level 3 on the Composition section of the Language Proficiency Index (LPI) within the last 2 years
3. Foundations of Math 11 (C minimum) or Pre-calculus 11 (C minimum, or Principles of Math 11 (C minimum) (or equivalent), or TRU Math 0510; or TRU Math 0523

General Requirements

Applicants must be 19 years old by start of program.

Fitness, Health, and Medical

The program is physically demanding. Students must arrive in good physical condition suitable for participating in strenuous outdoor activities. A Fitness, Health and Medical form will be forwarded to applicants from the department office upon acceptance to the program. This form must be completed and returned to the program.

Students must possess medical insurance and will be required to have additional coverage for any course held in other countries, including the United States.

Exemptions

Exemptions to admission requirements may be granted by the Chairperson of the Adventure Studies Department.

Program Information Sessions

All students wishing to apply for Adventure Studies programs must attend a program information session.

Program information sessions provide important information about Adventure Studies programs, courses, entrance requirements, and admission procedures. Prospective students have an opportunity to ask questions about the programs.

Information sessions are held between September and April at various locations throughout Canada and by telephone. Dates and locations available at www.adventurestudies.ca.

To register for an information session, please contact the Adventure Studies Department mailto:adventure@tru.ca at 250.828.5221.

Application Process

Applications are available from the TRU Admissions Office at www.tru.ca/admissions/apply

International student admissions, visit tru.ca/admissions/international

The following documentation must be included with applications:

- The application fee
- Adventure Studies department application form available from www.tru.ca/act/adventure
- Official transcripts from all secondary and post-secondary institutions attended
- Verification of attendance at a program information session (will be sent by the department to the Admissions Office)

Applicants should submit each piece of documentation as soon as it is completed or becomes available.

Interview

After reviewing the applications, some individuals may be asked to attend an interview with faculty of the Adventure Studies Department to help determine the applicant's readiness for admission. Admission interviews may be conducted at TRU, by telephone, or by video conferencing.

Acceptance into the Program

Once accepted, a non-refundable commitment fee of $500 is required by the deadline in your offer letter to secure a place. This fee will be applied to the first semester's tuition.

Newly admitted students must submit:

- A completed Adventure Studies Medical Examination Form;
- A signed Adventure Studies Department Liability Waiver, Assumption of Risk, and Indemnifying Release Form; and
- Language Proficiency Index (LPI) results, if required.

Program Requirements

Adventure Guide Diploma

Fall Year 1 Required Theory (12 credits)	
1	ADVG 1010-3 The Adventure Tourism Industry
2	ADVG 1020-3 Wilderness Travel
3	ADVG 1050-3 Guiding Leadership
4	ADVG 2030-3 Advanced Wilderness First Aid

Winter Year 1 Required Theory (8 credits)	
1	ADVG 1900-2 Expedition 1
2	ADVG 2010-3 The Wilderness Environment
3	ADVG 2830-3 Expedition Planning and Leadership

Fall Year 2 Required Theory (9 credits)	
1	ACCT 1000-3 Financial Accounting
2	ADVG 2040-3 The Business of Adventure
3	TMGT 1150-3 Marketing and Customer Service

Winter Year 2 Required Theory (8 credits)	
1	ADVG 1110-2 Search and Rescue Management
2	ADVG 2060-3 Legal Liability and Risk Management
3	ADVG 2850-3 Instructional Skills Workshop

Required Activity Courses (10 credits) Students must include the following five activity courses in their course selection	
1	ADVG 1530-2 Kayak 1 or ADVG 2490-2 Kayak II
2	ADVG 1510-2 Flat Water Canoe Instructor or ADVG 2640-2 Sea Kayaking 1
3	ADVG 1550-2 Skiing 1 or ADVG 2450-2 Alpine Ski Instructor 1 or
4	ADVG 1560-2 Ski Tour 1 or ADVG 1580-2 Mountaineering 1 or ADVG 2810-2 Mountaineering 2
5	ADVG 1570-2 Rock Climbing 1 or ADVG 2800-2 Rock Climbing 2
6	Seven or more elective activity courses (14 Credits minimum)
	Total Credits Required to Graduate = 61 Credits

Elective Courses

Elective Activity Courses

Course	Course Title	Credits
ADVG 1510	Flat Water Canoe Instructor	2
ADVG 1530	Kayak 1	2
ADVG 1550	Skiing 1	2
ADVG 1560	Ski Tour 1	2
ADVG 1570	Rock Climbing 1	2
ADVG 1580	Mountaineering 1	2
ADVG 1590	Avalanche Safety for Ski Operations Level 1	2
ADVG 1600	SRT 3: Swiftwater Rescue Technician	2
ADVG 2070	Ocean Surfing	2
ADVG 2080	CASI Snowboard Instructor 1	2
ADVG 2240	Top-Rope Climbing Instructor	2
ADVG 2430	Assistant Hiking Guide	2
ADVG 2440	Hiking Guide	2
ADVG 2450	Alpine Ski Instructor 1	2
ADVG 2460	Swiftwater Rope Rescue	2
ADVG 2470	Whitewater Kayak Play-Boating	2
ADVG 2490	Kayak 2	2
ADVG 2510	Moving Water Canoe Instructor	2
ADVG 2530	Kayak 3	2
ADVG 2540	Kayak 4	2
ADVG 2550	Telemark Instructor Level 1	2
ADVG 2570	Ski Tour 2	2
ADVG 2620	Rope Rescue Team member	2
ADVG 2630	Rope Rescue Team Leader	2
ADVG 2640	Sea Kayaking 1	2
ADVG 2650	Sea Kayaking 2	2
ADVG 2660	River Rafting 1	2
ADVG 2690	Elective Activity	2
ADVG 2700	Open Water Diver	2
ADVG 2710	Advanced/Master Diver	2
ADVG 2720	Dive Supervisor	2
ADVG 2730	SRT 4: Swiftwater Rescue Specialist	2
ADVG 2750	River Rafting 2	2
ADVG 2760	Ice Climbing	2
ADVG 2770	Adventure Sports Photography	2
ADVG 2800	Rock Climbing 2	3
ADVG 2810	Mountaineering 2	3
ADVG 2830	International Expedition Planning and Leadership	3
ADVG 2840	Coastal Sail Cruising	2
ADVG 2900	Expedition 2	2
ADVG 2930	Rock Climbing 3	2
ADVG 2940	Mountaineering 3	2

Program Contact

adventure@tru.ca
250.828.5221

Adventure Management Diploma

A two-year diploma offering foundational skills in Adventure Tourism Management. Graduates receive an Adventure Management Diploma.

Learning Options

Full-Time Studies

Students attend courses on a full-time basis. Students may complete some of the online course requirements part-time prior to attending classes on campus.

On-Campus and Distance Learning

The program is offered through courses at the Kamloops campus and through TRU Open Learning online courses. Field courses are held across Western Canada and Western U.S.A.

Program Overview

This Diploma provides students with a broad background in the management of adventure activities and the opportunity to develop their personal adventure sport skills.

Students will gain a good understanding of the adventure industry and how it is managed as well as a solid foundation and proficiency in adventure activities.

The program structure includes four TRU Open Learning courses which are transferable to the Bachelor of Tourism Management, field activity courses, and compressed and modularized classroom instruction. This combination results in a course of study without any semester-long course delivery.

The TRU Adventure Management Diploma focuses on topics such as:

- the adventure industry
- the natural environment
- communication & marketing
- accounting
- expedition planning and leadership
- legal liability and risk management

Many of the field courses offered in the Adventure Guide Diploma are available to Adventure Management Diploma students. Elective credits may be chosen from a variety of courses, including the following adventure activities:

- backpacking
- hiking
- mountaineering
- river rafting
- sea kayaking
- surfing
- wilderness first aid
- canoeing
- ice climbing
- rock climbing
- ski touring
- photography
- whitewater kayaking

Laddering Credit to other Programs

Credits from this diploma will transfer into the Bachelor of Tourism Management (BTM) degree and into the Bachelor of Interdisciplinary Studies (BIS) degree.

Industry Certification

In addition to receiving the Adventure Management Diploma, graduates of the program may be able to seek industry certification as guides or instructors in a variety of areas. Certification is dependent on the graduate's ability to meet the standard of the individual certifying organization.

Association of Canadian Mountain Guides/TRU:

Apprentice Alpine Guide
Alpine Guide
Apprentice Ski Guide
Ski Guide
Apprentice Rock Guide
Rock Guide
Assistant Hiking Guide
Hiking Guide
Climbing Gym Instructor Level 1
Climbing Gym Instructor Level II
Climbing Gym Instructor Level III
Top-Rope Climbing Instructor

British Columbia River Outfitters Association Rafting Guide License:

Oar
Paddle

British Columbia Provincial Emergency Program:

Rope Rescue Team Leader
Rope Rescue Team Member
Search and Rescue Management

Canadian Association of Snowboard Instructors:

Snowboard Instructor Level 1

Canadian Avalanche Association:

Safety for Ski Operations 1

Avalanche Skills Training (AST1)

Canadian Ski Instructors Alliance:

Level I Instructor

Canadian Association of Nordic Ski Instructors:

Telemark Instructor Level I

National Association of Scuba Diving:

Open Water

Advanced Open Water

Master Diver

Dive Supervisor

Paddle Canada:

Canoe Tripping Instructor Tandem

Intro. lake Tandem Instructor

Intro. Moving Water Tandem Instructor

Rescue Canada:

Swiftwater Rescue Technician

Swiftwater Rescue Specialist

Swiftwater Rope Rescue Technician

Swiftwater Rescue Instructor

Sea Kayak Guides Alliance of British Columbia:

Level One Guide

Level Two Guide

Transport Canada:

Restricted Marine Radio Operators License

Canoe Kayak BC:

Level 1

Level 2

Level 3

Admission Requirements

1. BC Grade 12 or equivalent, or mature student status
2. English 12/English 12 First Peoples with a minimum of 73% (or equivalent) within the last 5 years or completion of English 0600 or Language Proficiency Index (LPI) with a Level 4 or better within the last 2 years or ESAL 0570 and ESAL 0580 with a minimum grade of C+
3. Foundations of Math 11 (C minimum) or Pre-calculus 11 (C minimum), Principles of Math 11 (C minimum) or Applications of Math 12 (C minimum) (or equivalent); or TRU Math 0510 or TRU Math 0523

   Note: Students with Principles of Math 12 with C+ or better will be exempt from Math 1100

Computer Skills

Students with little or no experience using computers are advised to take COMP 1000: Introduction to Information Technology as one of their electives before taking COMP 2910: Computer Applications in Business (required in the BTM).

General Requirements

Applicants must be 19 years old by start of program.

Fitness, Health, and Medical

The program is physically demanding. Students must arrive in good physical condition suitable for participating in strenuous outdoor activities. A Fitness, Health and Medical form will be forwarded to applicants from the department office upon acceptance to the program. This form must be completed and returned to the program.

Students must possess medical insurance and will be required to have additional coverage for any course held in other countries, including the United States.

Exemptions

Exemptions to admission requirements may be granted by the Chairperson of the Adventure Studies Department.

Program Information Sessions

All students wishing to apply for Adventure Studies programs must attend a program information session.

Program information sessions provide important information about Adventure Studies programs, courses, entrance requirements, and admission procedures. Prospective students have an opportunity to ask questions about the programs.

Information sessions are held between September and April at various locations throughout Canada and by telephone. Dates and locations www.adventurestudies.ca.

To register for an information session, please contact the Adventure Studies Department mailto:adventure@tru.ca at 250.828.5221.

Application Process

Applications are available from the TRU Admissions Office at www.tru.ca/admissions/apply

International student admissions, visit tru.ca/admissions/international

The following documentation must be included with applications:

- The application fee

- Adventure Studies department application form available from www.tru.ca/act/adventure
- Official transcripts from all secondary and post-secondary institutions attended
- Verification of attendance at a program information session (will be sent by the department to the Admissions Office)

Applicants should submit each piece of documentation as soon as it is completed or becomes available.

Interview

After reviewing the applications, some individuals may be asked to attend an interview with faculty of the Adventure Studies Department to help determine the applicant's readiness for admission. Admission interviews may be conducted at TRU, by telephone, or by video conferencing.

Acceptance into the Program

Once admitted, a non-refundable commitment fee of $500 is required by the date indicated in your admission offer letter to secure a place. This fee will be applied to the first semester's tuition.

Admitted students must submit:

- A completed Adventure Studies Medical Examination Form;
- A signed Adventure Studies Department Liability Waiver, Assumption of Risk, and Indemnifying Release Form; and
- Language Proficiency Index (LPI) results (if required.

Program Requirements

Adventure Management Diploma

The 60-credit Adventure Management Diploma is comprised of 42 required credits and 18 elective credits. Any number of elective courses may be ADVG activity field courses, but students should consider completing prerequisites for any upper-level BTM degree courses they may wish to take in the future.

Students wishing to achieve industry certification in rafting, whitewater kayaking, skiing, or climbing must also plan course selection carefully, noting that this diploma focuses on management rather than guide qualifications.

Students may register in any 1000- or 2000-level ADVG theory or activity course if they meet the prerequisites.

A sample of the sequence of courses in the Adventure Management

Fall Year 1 Required Theory 12 Credits	
1	ADVG 1010-3 The Adventure Tourism Industry
2	ADVG 1020-3 Wilderness Travel
3	ADVG 1050-3 Guiding Leadership
4	ADVG 2030-3 Advanced Wilderness First Aid

Winter Year 1 Required Theory 6 Credits	
1	ADVG 2010-3 The Wilderness Environment
2	ADVG 2830-3 Expedition Planning and Leadership

Fall Year 2 Required Theory 12 Credits	
1	ACCT 1000-3 Financial Accounting
2	ADVG 2040-3 The Business of Adventure
3	ADVG 2060-3 Legal Liability and Risk Management
4	TMGT 1150-3 Marketing and Customer Service

Required On-Line Courses (TRU-OL) 12 Credits	
1	ENGL1061 Written Communication
2	Unrestricted Elective
3	Unrestricted Elective
4	Unrestricted Elective

Diploma is as follows.

Nine or More Elective Activity Courses 18 Credits
Total Minimum Credits Required to Graduate 60 Credits

Program Costs

Adventure Studies students pay tuition plus activity fees for field courses. These activity fees vary per course and could total up to $9,000 per year depending on the courses chosen by the student.

Fees include the following as required:

- Tuition
- National and provincial association exams and certifications
- Field accommodation including backcountry hut and lodge accommodation
- All on-course transportation (including helicopter transportation)
- Equipment use
- Campsite fees
- Required permits
- Purchasing or renting personal equipment
- Textbooks and maps

Students will also be responsible for some costs incurred during the spring self-directed expeditions. The first year expedition is a required course. A second expedition may be undertaken as an elective in the final year. Expeditions may be provincial, national, or international in nature depending upon the students' requests.

Clothing and Equipment

Students provide their personal clothing and some equipment, such as footwear, sleeping bag, backpack and other equipment as necessary. The Adventure Studies Department manages an equipment bay with rock climbing, sea kayaking, whitewater kayaking, rafting, skiing, avalanche, mountaineering, rescue, and camping equipment.

Adventure Studies students have free access to this extensive equipment resource and may wish to consult with program faculty before making major equipment purchases.

Group equipment as well as (stoves, avalanche transceivers, climbing equipment, canoe and kayak equipment, and tents) is provided.

Program Contact

adventure@tru.ca
250.828.5221

Resort and Hotel Management Diploma

A two-year program undergraduate program. Graduates receive a Resort and Hotel Management Diploma.

Learning Options

Part-time or Full-time Study

Students can study on a full-time or part-time basis.

On-campus

Courses are offered at the Kamloops campus.

Program Start Date

Students enter the program in the Fall semester.

Program Overview

The tourism sector may soon become the number one industry in BC; it already offers the most employment opportunities. This two-year diploma program is designed to provide the theory and practical skills essential to begin a career in Resort and Hotel Management.

Courses in this diploma provide instruction in hotel operations, food and beverage management and hospitality administration. Through the use of lectures, fieldwork, case studies and practical applications, students will gain insight into management and operations in this dynamic field. In addition to hospitality related courses, students will gain experience in computer applications, accounting, finance, cost control, marketing and business communications. Building on this knowledge enables students to develop the abilities, skills and attitudes to analyze situations objectively and to then make effective management decisions. The guiding principle of the Resort and Hotel Management program is student centred involvement through project based learning. Graduates from this program, will have a well-rounded understanding of the industry that will increase their employability.

Tourism programs at TRU have the strong support and commitment of the hospitality industry. Courses have been developed with consultation and continued input from professionals working in tourism and hospitality. Graduates have found employment in a variety of resorts and hotels throughout the world. Employment opportunities for students are often developed by work experience opportunities that have been built into our diploma program.

Hospitality and tourism as a profession can be exciting, challenging and rewarding. Students with high standards, a commitment to success and a strong guest service focus will find infinite, diverse possibilities for fulfilling careers in the hospitality industry.

Learning Experiences

Work Experience

In order to meet all requirements for graduation, students must have a minimum of 500 hours (12-14 weeks) documented, relevant work experience supported by industry references indicating capable performance. If this requirement is not met upon admission, it must be completed prior to the completion of your course work.

Field Trips

Some Tourism Management programs include mandatory field experiences. This component has been included so that the students can better understand some of the concepts discussed in class. While costs will be kept to a minimum, students will be required to contribute to the overall cost of field trips via activity fees, currently set at $612.

International Experiences

There are increasing numbers of international students in the program, and a growing number of international opportunities available. We are actively engaged in developing partnerships with universities worldwide.

Study Abroad (http://www.truworld.ca/exchange.html) is a popular option for degree students and is also available for diploma students that are willing to extend their time at TRU.

As part of completing their certificate or diploma requirements, students may also pursue a valuable Global Competency credential http://www.tru.ca/global.html

Admission Requirements

1. BC Grade 12 or equivalent or mature student status
2. English 12/English 12 First Peoples with a 73% or better(within the last 5 years) or completion of ENGL 0600 or Language Proficiency Index (LPI) with a Level 5 or better within the last 2 years or completion of ESAL 0570 and ESAL 0580 with a minimum grade of C+ or equivalent.
3. Foundations of Math 11 (C minimum) or Pre-Calculus 11 (C minimum) or Principles of Math 11(C minimum) or Applications of Math 12 or MATH 0510 (C minimum) or MATH 0523 (C minimum) or equivalent.

NOTE: Students who complete either Principles of Math 12 or Foundations of Math 12 (C+ minimum) will be exempt from Finite Math (MATH 1100), and must make up the three credits with and elective of their choice.

Computer Skills
If students entering the program have little or no experience using computers, they are advised to take an introductory computer course that familiarizes them with Microsoft application software.

Admission Process

Applications are available from the TRU Admissions Office at www.tru.ca/admissions/apply

International student admissions, visit tru.ca/admissions/international

The following documentation must be included with applications:

- The application fee
- Official transcripts from all secondary and post-secondary institutions attended
- A detailed resume outlining educational accomplishments and credentials, work and volunteer experience, and personal interests and activities

Application Deadlines

See Admission section – page 6

Program Requirements

Year One		
Fall Semester		
Course	**Course Title**	**Cr**
CMNS 1810	Business, Professional and Academic Composition	3
HMGT 1110	Catering and Service Management	3
MATH 1100	Finite Mathematics with Applications I	3
TMGT 1110	Introduction to Tourism	3
TMGT 1160	Organizational Leadership in Tourism	3
Winter Semester		
ACCT 1000	Financial Accounting	3
HMGT 1210	Food & Beverage Preparation	3
HMGT 1410	Hotel Operations 1	3
JOUR 2060	Introduction to Multimedia	3
TMGT 1150	Marketing and Customer Service	3
	Total Credits Year 1	**30**
Year Two		
Fall Semester		
Course	**Course Title**	**Cr**
HMGT 2210	Food and Beverage Management	3
HMGT 2510	Hotel Operations 2	3
TMGT 1140	Human Resources Management	3
TMGT 2010	Financial Operations Control in Tourism	3
TMGT 2250	Hospitality Law	3
Winter Semester		
ECON 1220	Introduction to Basic Economics	3
HMGT 2100	Food & Beverage Cost Control	3
HMGT 2120	Hotel Sales and Services	3
HMGT 2500	Field Experience ($612.00 activity fee)	3
HMGT 2610	Resort & Hotel Operations	3
	Total Credits Year 2	**30**
	Total Program Credits	**60**
NOTE: In order to receive the Resort & Hotel Management Diploma, students must complete a minimum of 500 hours of relevant work experience in the tourism industry before graduating.		

Laddering Credits to other Programs

Graduates of the Resort and Hotel Management Diploma are able to ladder 60 credits into the Bachelor of Tourism Management degree. This means that graduates of this diploma are able to complete the Bachelor of Tourism Management degree in as little as two additional years of study. Contact the Program Advisor for details.

Program Policies

Students must meet TRU's residency policy. Extensions to this policy may be granted with prior approval to students involved in academic exchanges with other post-secondary institutions.

To remain in Tourism Management Programs after admission:

- Students must maintain a cumulative CGPA of at least 2.00 calculated using Tourism Management Program courses only.
- Students cannot repeat a course more than twice; and
- Students failing to meet the CGPA requirements will be placed on a learning contract.

In order to gain graduate status, a CGPA of no less than 2.0 (Tourism Management Program courses only) is required.

Program Contact

250.828.5366

Sports Event Management Diploma

A two-year undergraduate program. Graduates receive a Sports Event Management Diploma.

Learning Options

Part-time or Full-time Study

Students can study full-time or part-time.

On-campus

Courses are offered at the Kamloops campus.

Program Start Date

Students enter the program in the Fall semester.

Program Overview

This two-year diploma is designed to prepare graduates for a variety of positions in the sports event industry.

Employment opportunities exist for graduates to organize sporting events at a corporate, amateur or professional level. Additionally, tourism associations and destination management organizations have begun to realize the potential for attracting sports events to their community and consequently, opportunities exist for graduates with these types of organizations as well. Sport events are a big part of fundraising efforts, resulting in employment and contract opportunities with fundraising organizations.

Courses in this diploma will provide the learner with an introduction to not only the business skills required to produce a sports event, but also courses that will teach them how to organize events, find appropriate sponsors, recruit and motivate volunteers and successfully market the event. Students will also be introduced to the importance of sporting events in Canadian culture.

Learning Experiences

Work Experience

In order to meet all requirements for graduation, students must have a minimum of 500 hours (12-14 weeks) documented, relevant work experience supported by industry references indicating capable performance. If this requirement is not met upon admission, it must be completed prior to the completion of your course work.

Field Trips

Some Tourism Management programs include mandatory field experiences. This component has been included so that the students can better understand some of the concepts discussed in class. While costs will be kept to a minimum, students will be required to contribute to the overall cost of field trips via activity fees, currently set at $612.

International Experiences

There are increasing numbers of international students in the program, and a growing number of international opportunities available. We are actively engaged in developing partnerships with universities worldwide.

Study Abroad www.truworld.ca/exchange a popular option for degree students, and is also available for diploma students that are willing to extend their time at TRU.

As part of completing their certificate or diploma requirements, students may also pursue a valuable Global Competency credential www.tru.ca/global

Admission Requirements

1. BC Grade 12 or equivalent or mature student status
2. English 12/English 12 First Peoples with a 73% or better (within the last 5 years) or completion of ENGL 0600; or Language Proficiency Index (LPI) with a Level 5 or better within the last 2 years or completion of ESAL 0570 and ESAL 0580 with a minimum grade of C+ or equivalent.
3. Principles of Math 11 (C minimum) or Applications of Math 12 or Foundations of Math 11 (C minimum or Pre-Calculus 11 (C minimum) or Pre-calculus 11 (C minimum) or MATH 0510 or MATH 0523 or equivalent.

NOTE: Students with Principles of Math 12 (C+ minimum) or Foundations of Math 12 (C+ minimum) will be exempt from Finite Math (MATH 1100), and must make up the three credits with an elective of their choice.

Computer Skills

If students entering the program have little or no experience using computers, they are advised to take an introductory computer course that familiarizes them with Microsoft application software.

Admission Process

Applications are available from the TRU Admissions Office at www.tru.ca/admissions/apply

International student admissions, visit tru.ca/admissions/international

The following documentation must be included with applications:

- The application fee
- Official transcripts from all secondary and post-secondary institutions attended
- A detailed resume outlining educational accomplishments and credentials, work and volunteer experience, and personal interests and activities

Program Requirements

Year One		
Fall Semester		
Course	Course Title	Cr
CMNS 1810	Business, Professional & Academic Composition	3
EVNT 1100	The World of Events	3
MATH 1100	Finite Math with Applications 1	3
TMGT 1110	Introduction to Tourism	3
TMGT 1160	Organizational Leadership in Tourism	3
Winter Semester		
ACCT 1000	Financial Accounting	3
HMGT 1110	Catering and Service Management	
JOUR 2060	Introduction to Multimedia	3
PHED 2110	An Introduction to the Study of Sport	3
TMGT 1150	Marketing and Customer Service	3
	Total Credits Year 1	30
Year Two		
Fall Semester		
Course	Course Title	Cr
ECON 1220	Introduction to Basic Economics	3
EVNT 2240	Sports Event Management	3
PHED 2140	Psychology of Sport and Physical Activity	3
TMGT 2010	Financial Operations Control in Tourism	3
TMGT 2250	Hospitality Law	3
Winter Semester		
EVNT 2070	Staging Special Events	3
EVNT 2170	Fundraising for Non-profit Organizations	3
EVNT 2250	Sports Event Marketing	3
TMGT 1140	Human Resources Management	3
	Select 1 of 3 options	3
EVNT 2500 PHED 2130 TMGT 2590	Field Experience ($612 activity fee) Sport in Canadian Society Entrepreneurship	
	Total Credits Year 2	30
	Total Program Credits	60

NOTE: In order to receive the Sports Event Management Diploma, students must complete a minimum of 500 hours of relevant work experience in the tourism industry before graduating.

Laddering Credits to other Programs

Graduates of the Sports Event Management Diploma are able to ladder 60 credits into the Bachelor of Tourism Management degree. This means that graduates of this diploma are able to complete the Bachelor of Tourism Management degree in as little as two additional years of study. Contact the Program Coordinator for details.

Program Policies

Students must meet TRU's residency policy. Extensions to this policy may be granted with prior approval to students involved in academic exchanges with other post-secondary institutions.

To remain in Tourism Management Programs after admission:

- Students must maintain a cumulative CGPA of at least 2.00 calculated using Tourism Management Program courses only.
- Students cannot repeat a course more than twice; and
- Students failing to meet the CGPA requirements will be placed on a learning contract.

In order to gain graduate status, a CGPA of no less than 2.0 (Tourism Management Program courses only) is required.

Program Contact

250.828.5366

Tourism Management Diploma

A two-year undergraduate program. Graduates receive a Tourism Management Diploma.

Learning Options

Part-time or Full-time Study

Students can study on a full-time or part-time basis.

On-campus

Courses are offered at the Kamloops campus.

Program Start Date

Students enter the program in the Fall, Winter, or Summer semesters.

Program Overview

The Tourism Management Diploma comprises the first two years of the Bachelor of Tourism Management degree.

Students enrolled in the Bachelor of Tourism Management degree program who wish to exit the program upon completion of year 2 may obtain a TRU Tourism Management Diploma by:

- Completing a request at the Register's Office, for the "Tourism Management Diploma".
- Meeting the Tourism Management Diploma program requirements, with a minimum of 60 credits.

Learning Experiences

Work Experience

In order to meet all requirements for graduation, students must have a minimum of 500 hours (12-14 weeks) documented, relevant work experience supported by industry references

indicating capable performance. If this requirement is not met upon admission, it must be completed prior to the completion of your course work.

Field Trips

Some Tourism Management programs include mandatory field experiences. This component has been included so that the students can better understand some of the concepts discussed in class. While costs will be kept to a minimum, students will be required to contribute to the overall cost of field trips via activity fees, currently set at $612.

International Experiences

There are increasing numbers of international students in the program, and a growing number of international opportunities available. We are actively engaged in developing partnerships with universities worldwide.

Study Abroad www.truworld.ca/exchange is a popular option for degree students and is also available for diploma students that are willing to extend their time at TRU.

As part of completing their certificate or diploma requirements, students may also pursue a valuable Global Competency credential www.tru.ca/global

Admission Requirements

1. BC Grade 12 or equivalent or mature student status.
2. English 12/English 12 First Peoples with a 73% or better (within the last 5 years) or completion of ENGL 0600 or Language Proficiency Index (LPI) with a level 5 or better within the last 2 years or completion of ESAL 0570 and ESAL 0580 with a minimum grade of C+ or equivalent.
3. Principles of Math 11 (C minimum) or Applications of Math 12 of Foundations of Math 11 (C minimum) or Pre-Calculus 11 (C minimum) or Pre-Calculus 11 (C minimum) or MATH 0510 or MATH 0523or equivalent.

NOTE: Students with Principles of Math 12 (C+ minimum) or Foundations of Math 12 (C+ minimum) will be exempt from Finite Math (MATH 1100) and must make up the three credits with an elective of their choice.

Computer Skills

If students entering the program have little or no experience using computers, they are advised to take an introductory computer course that familiarizes them with Microsoft application software.

Application Process

Applications are available from the TRU Admissions Office at www.tru.ca/admissions/apply

International student admissions, visit tru.ca/admissions/international

The following documentation must be included with applications:

- The application fee
- Official transcripts from all secondary and post-secondary institutions attended
- A detailed resume outlining educational accomplishments and credentials, work and volunteer experience, and personal interests and activities

Application Deadlines

See Admission Section Page 6

Program Requirements

Year One		
Fall Semester		
Course	**Course Title**	**Cr**
CMNS 1810	Business, Professional & Academic Composition	3
MATH 1100	Finite Math with Applications 1	3
TMGT 1110	Introduction to Tourism	3
TMGT 1160	Organizational Leadership in Tourism	3
Tourism Elective #1	All electives must be Tourism courses, ADVG, EVNT, HMGT,TMGT)	3
Winter Semester		
ACCT 1000	Financial Accounting	3
JOUR 2060	Introduction to Multimedia	3
TMGT 1140	Human Resource Management	3
TMGT 1150	Marketing and Customer Service	3
TMGT 2060	People, Places and the Toured Landscape	3
	Total Credits Year 1	**30**
Year Two		
Fall Semester		
Course	**Course Title**	**Cr**
ECON 1220	Introduction to Basic Economics	3
TMGT 2010	Financial Operations Control in Tourism	3
TMGT 2250	Hospitality Law	3
Tourism Elective #2	All electives must be Tourism courses (ADVG, EVNT, HMGT,TMGT)	3
Tourism Elective #3	All electives must be Tourism courses (ADVG, EVNT, HMGT, TMGT)	3
Winter Semester		
ECON 2200	Introduction to Tourism Economics	3
EVNT 2190 or EVNT 2250 or HMGT 2120	Destination Marketing or Sports Event Marketing or Hotel Sales and Services	3
STAT 1200	Introduction to Statistics	3
TMGT 2610	Environmental Issues in the Tourism Industry	3
Tourism Elective #4	All electives must be Tourism courses (ADVG, EVNT, HMGT, TMGT)	3
	Total Credits Year 2	**30**
	Total Program Credits	**60**
NOTE: In order to receive the Tourism Management Diploma, students must complete a minimum of 500 hours of relevant work experience in the tourism industry before graduating.		

NOTE: Electives (12 credits) must be in Tourism related courses with 3 credits in each of the following areas of study: ADVG, EVNT, HMGT. The final 3 credits can come from any of the above, including TMGT.

Laddering Credits to other Programs

Graduates of the Tourism Management Diploma are able to ladder 60 credits into the Bachelor of Tourism Management degree. This means that graduates of this diploma are able to complete the Bachelor of Tourism Management degree in as little as two additional years of study. Contact the Program Coordinator for details.

Program Policies

Students must meet TRU's residency policy. Extensions to this policy may be granted with prior approval to students involved in academic exchanges with other post-secondary institutions.

To remain in Tourism Management Programs after admission:

- Students must maintain a cumulative CGPA of at least 2.00 calculated using Tourism Management Program courses only.
- Students cannot repeat a course more than twice; and
- Students failing to meet the CGPA requirements will be placed on a learning contract.

In order to gain graduate status, a CGPA of no less than 2.0 (Tourism Management Program courses only) is required.

Program Contact

250.828.5366

Aboriginal Tourism Certificate

A one-year undergraduate program. Graduates receive an Aboriginal Tourism Certificate.

This certificate is available for delivery in communities throughout the interior of British Columbia. The program is designed to be completed in one calendar year and combines general tourism and business studies with studies in Aboriginal culture and heritage. Please contact the Faculty of Adventure, Culinary Arts and Tourism at 250.828.5132 for program details and to determine how this certificate can be offered in your community.

Adventure Sports Certificate

An 8-month introduction to adventure sports and the adventure industry. Graduates receive an Adventure Sports Certificate.

Learning Options

Full-time Study

Students attend full-time for two semesters.

On-Campus

Courses are offered at the Kamloops campus. Field courses are held across Western Canada and Western U.S.A.

Program Overview

This is the ideal program for entry-level adventure students and those wishing to explore their career interest in adventure-related fields.

This program is delivered with extensive time engaged in field activity courses and compressed and modularized classroom course instruction (this follows a similar format to that of the Adventure Guide Diploma). Approximately 12 weeks of classroom instruction and 12 weeks of field activity courses make up the program.

All course credit completed in this program is transferable to other Adventure Studies Department programs.

Students who wish to continue their adventure studies at TRU may ladder directly into the Adventure Guide Diploma, the Adventure Management Diploma, or the Adventure streams in the Bachelor of Tourism Management degree.

The TRU Adventure Sports Certificate focuses on activities such as:

backpacking
hiking
mountaineering
river rafting
sea kayaking
wilderness first aid
canoeing
ice climbing
rock climbing
ski touring
photography
white-water kayaking

Students in the Adventure Sports Certificate program may distinguish themselves by achieving industry certifications from provincial and national adventure associations.

International Opportunities

Subject to availability, students may be able to complete the Adventure Sports Certificate program in another country which offers opportunities for adventure sports. Email Adventure Studies at adventure@tru.ca for details.

Industry Certification

In addition to receiving the Adventure Sports Certificate, graduates of the program may be able to seek industry certification as guides or instructors in a variety of areas. Certification is dependent on the graduate's ability to meet the standard of the individual certifying organization.

Association of Canadian Mountain Guides:

- Apprentice Alpine Guide
- Alpine Guide
- Apprentice Ski Guide
- Ski Guide
- Assistant Rock Guide
- Rock Guide
- Assistant Hiking Guide
- Hiking Guide
- Climbing Gym Instructor Level 1
- Climbing Gym Instructor Level II
- Climbing Gym Instructor Level III
- Top-Rope Climbing Instructor

British Columbia River Outfitters Association Rafting Guide License:

- Oar
- Paddle

British Columbia Provincial Emergency Program:

- Rope Rescue Team Leader
- Rope Rescue Team Member
- Search and Rescue Management

Canadian Association of Snowboard Instructors:

- Snowboard Instructor Level 1

Canadian Avalanche Association:

- Safety for Ski Operations 1
- Avalanche Skills Training 1 (AST1)

Canadian Ski Instructors Alliance:

- Level I Instructor

Canadian Association of Nordic Ski Instructors:

- Telemark Instructor Level I

National Association of Scuba Diving:

- Open Water
- Advanced Open Water
- Master Diver
- Dive Supervisor

Paddle Canada:

- Canoe Tripping Instructor Tandem
- Intro. Lake Tandem Instructor
- Intro. Moving Water Tandem Instructor

Rescue Canada:

- Swiftwater Rescue Technician
- Swiftwater Rescue Specialist
- Swiftwater Rope Rescue Technician
- Swiftwater Rescue Instructor

Sea Kayak Guides Alliance of British Columbia:

- Level One Guide
- Level Two Guide

Transport Canada:

- Restricted Marine Radio Operators License

Canoe Kayak BC:

- Level 1
- Level 2
- Level 3

Program Costs

Adventure Studies students pay tuition plus activity fees for field courses. These activity fees vary per course and could total up to $9,000 per year depending on the courses chosen by the student.

Additional fees may include:

- National and provincial association exams and certifications
- Field accommodation including backcountry hut and lodge accommodation
- All on-course transportation including helicopter transportation
- Equipment use
- Campsite fees
- Required permits
- Purchasing or renting personal equipment

Students will also be responsible for some costs incurred during the spring self-directed expeditions. The first year expedition is a required course. A second expedition may be undertaken as an elective in the final year. Expeditions may be provincial, national, or international in nature depending upon the students' requests.

Clothing and Equipment

Students provide their personal clothing and some equipment, such as footwear, sleeping bag, backpack and other equipment as necessary. The Adventure Studies Department manages an equipment bay with rock climbing, sea kayaking, white-water kayaking, rafting, skiing, avalanche, mountaineering, rescue, and camping equipment.

Adventure Studies students have free access to this extensive equipment resource and may wish to consult with program faculty before making major equipment purchases.

Group equipment as well as(stoves, avalanche transceivers, climbing equipment, canoe and kayak equipment, and tents) is provided.

Admission Requirements

1. BC Grade 12 or equivalent, or mature student status
2. English 12/English 12 First Peoples with a minimum of 67% (or equivalent) within the last 5 years or completion of English 0500 (B required) or Language Proficiency Index (LPI) with a Level 3 on the composition section, within the last 2 years
3. Foundations of Math 11 (C minimum) or Pre-calculus 11 (C minimum), Math 11 (C+ minimum) (or equivalent); or TRU Math 0510 or TRU Math 0523

General Requirements

Applicants must be 19 years old by start of program.

Fitness, Health, and Medical

The program is physically demanding. Students must arrive in good physical condition suitable for participating in strenuous outdoor activities. A Fitness, Health and Medical form will be forwarded to applicants from the department office upon acceptance to the program. This form must be completed and returned to the program.

Students must possess medical insurance and will be required to have additional coverage for any course held in other countries, including the United States.

Exemptions

Exemptions to admission requirements may be granted by the Chairperson of the Adventure Studies Department.

Program Information Sessions

All students wishing to apply for Adventure Studies programs must attend a program information session.

Program information sessions provide important information about Adventure Studies programs, courses, entrance requirements, and admission procedures. Prospective students have an opportunity to ask questions about the programs.

Information sessions are held between September and April at various locations throughout Canada and by telephone. Dates and locations available at www.adventurestudies.ca.

To register for an information session, please contact the Adventure Studies Department mailto:adventure@tru.ca at 250.828.5221.

Application Process

Applications are available from the TRU Admissions Office at www.tru.ca/admissions/apply

International student admissions, visit tru.ca/admissions/international

The following documentation must be included with applications:

- The application fee
- Adventure Studies department application form available from www.tru.ca/act/adventure
- Official transcripts from all secondary and post-secondary institutions attended
- Verification of attendance at a program information session (will be sent by the department to the Admissions Office)

Applicants should submit each piece of documentation as soon as it is completed or becomes available.

Interview

After the applications are reviewed, some individuals may be asked to attend an interview with faculty of the Adventure Studies Department to help determine the applicant's readiness for admission. Admission interviews may be conducted at TRU, by telephone, or by video conferencing.

Acceptance into the Program

Once admitted, .a non-refundable commitment fee of $500 is required by the deadline in your admission offer letter to secure a place. This fee will be applied to the first semester's tuition.

Admitted students must submit:

1. A completed Adventure Studies Medical Examination Form;

2. A signed Adventure Studies Department Liability Waiver, Assumption of Risk, and Indemnifying Release Form; and

3. Language Proficiency Index (LPI) results, if required.

Program Requirements

Adventure Sports Certificate

Required Theory courses (18 credits)	
1	ADVG 1010-3 The Adventure Tourism Industry
2	ADVG 1020-3 Wilderness Travel
3	ADVG 1050-3 Guiding Leadership
4	ADVG 2010-3 The Wilderness Environment
5	ADVG 2030-3 Advanced Wilderness First Aid
6	ADVG 2830-3 Expedition Planning and Leadership

Activity Courses (minimum of 12 total activity credits)	
A)	One of the following (2 credits) ADVG 1550-2 Skiing I, or ADVG 2080-2 CASI Snowboard Instructor Level l, or ADVG 2450-2 Alpine Ski Instructor I, or ADVG 2550-2 Telemark Ski Instructor
B)	ADVG 1530-2 Kayak 1 (2 credits)
C)	ADVG 1570-2 rock Climbing (2 credits)
D)	One of the following (2 credits) ADVG 1560-2 Ski Touring I, or ADVG 1580-2 Mountaineering I, or ADVG 2660-2 Rafting 1
E)	One of the following (2 credits) ADVG 1510-2 Flatwater Canoeing Instructor ADVG 2640-2 Sea Kayak I
F)	One or More Elective Activity Courses (2 credits)
Total Minimum Credits Required to Graduate	**30 Credits**

Program Contact

adventure@tru.ca
250.828.5221

Canadian Mountain and Ski Guide Program

Students have the choice of studying for a Canadian Mountain and Ski Guide Diploma or for a variety of guide certifications.

Learning Options

Part-time Study

Most students complete the diploma program in four or five years of part-time study.

Courses are offered at a variety of locations.

Program Start Dates

Programs start at various times throughout the year. See the Canadian Mountain & Ski Guide Program page www.tru.ca/tourism/adventure/cmsg-certprg for details.

Program Overview

The Adventure Studies Department collaborates with the Association of Canadian Mountain Guides (ACMG) to offer the Canadian Mountain and Ski Guide Program (CMSG).

The Canadian Mountain and Ski Guide (CMSG) Program enables students to pursue certification to standards set by the Association of Canadian Mountain Guides (ACMG)

Mountain Guide Program

Terrain-limited certificates are available in the following specializations

1. Rock Guide
2. Alpine Guide
3. Ski Guide
4. Mountain Guide

Rock Guide Certificate

This certificate is designed to develop the guiding and instructional skills needed to work in technical rock terrain including long multi-pitch routes and sport climbs on terrain where no glaciation and no permanent or seasonal snow or ice exists.

Students require a strong background in multi-pitch climbing on all types of rock.

Students planning to enter the Alpine Guide Certificate must pass the Apprentice Rock Guide exam.

Alpine Guide Certificate

Alpine guides specialize in guiding all types of rock, alpine and glaciated terrain as well as waterfall ice climbing. This certificate must be completed to obtain the ACMG Mountain Guide qualification.

To enter the Alpine Guide Certificate students must first pass the Apprentice Rock Guide exam and meet all prerequisites including Avalanche Operations Level 1 (Canadian Avalanche Association).

This certificate is physically very demanding and requires significant preparation

Ski Guide Certificate

This certificate is designed to develop the skills needed to guide in backcountry skiing and snowboarding operations. This certificate must be completed to obtain the ACMG Mountain Guide qualification.

Ski Guides work in heli –skiing, snow cat skiing and ski touring operations in remote alpine and glaciated terrain

Mountain Guide Qualification

Students who complete the Alpine and Ski Guide certificates qualify for the ACMG Mountain Guide qualification. The Mountain Guide qualification is recognized by the International Federation of Mountain Guide Associations (IFMGA). The IFMGA designation is recognized in over 24 alpine nations.

Hiking Guide Program

These certificates do not include travel on permanent snow or scrambling terrain requiring the use of safety equipment.

Assistant Hiking Guide Certificate

This certificate qualifies the guide to lead day-hikes without supervision and multi-day backpacking trips in wilderness terrain with supervision.

Hiking Guide Certificate

This certificate is for experience hiking guides who have completed their apprenticeship as assistant hiking guides. Hiking Guides are certified to guide day-hikes and multi-day backpacking trips in all types of hiking terrain without supervision.

Climbing Instructor Program

This program is designed to develop the instructional and group management skills required for indoor climbing facilities and outdoor top roping. Many indoor climbing gyms and outdoor camps use ACMG certified climbing instructors to teach and supervise their climbing programs. There are four certificates in the program as described below.

Climbing Gym Instructor (CGI)

Level One
Teaches introductory indoor climbing and top-roping courses

Level Two
Teaches and coaches lead climbing and advanced movement skills and includes training in route setting.

Level Three
Teaches advanced climbing skills, develops instructional and training program for facility management and staff training.

Top Rope Climbing Instructor (TRCI)

Teaches experiential and introductory outdoor rock climbing and rappelling at easily accessed cliffs that do not require anchoring between climbs or rappels.

TRCIs instruct basic movement, belaying, top-roping and rappelling. TRCIs work for summer camp programs, educational institutions, non-profit groups and climbing schools.

Continuing Studies

Graduates of the CMSC Program may pursue further studies in adventure tourism, tourism management or the Bachelor of Tourism Management (BTM) degree. Students intending to enter the BTM degree should contact the department Chair for advice about selecting courses that transfer smoothly to the degree.

Program Costs

For course fees, please visit the Canadian Mountain and Ski Guide Program home page at www.cmsg.info

Clothing and Equipment

Students provide all clothing and equipment including group equipment for CMSG courses unless specifically indicated in the course package.

Admission Guidelines

Admission is highly selective. CMSG programs are intended for applicants with extensive mountain recreation experience. The programs are not for general outdoor recreation or basic training.

Application deadlines apply for each certificate.

Applicants must be at least 19 years of age. Underage students are accepted for CGI courses.

Activity Requirements

Applicants must meet specific experience and activity requirements to be accepted. These requirements are details in the application package for each course

International Students
If a student's home country is an IFMGA member, some ACMG certifications will require prior approval from that country's guides' association. Contact the Adventure Studies office for details.

Medical Exam and Insurance
CMSG courses are physically demanding. Students must be in physical condition suitable for participating in strenuous outdoor activities. Applicants are required to provide relevant medical information prior to participation and must possess medical insurance.

Application Packages

Application is done course-by-course. Application packages can be downloaded at www.cmsg.info

For further information, contact the CMSG office at:
cmsg@tru.ca
250.371.5838

Acceptance into the Program

Written notice is sent to applicants who have been accepted into a certificate program.

Legal Release

Due to the varying levels of risk associated with adventure travel, outdoor activities, and guide training, participants will be required to sign the Adventure Studies Department's Liability Waiver, Assumption of Risk, and Indemnifying Release Form which can be viewed at www.cmsg.info. Participants may choose to seek legal advice regarding the signing of this form.

Program Contact

Canadian Mountain and Ski Guide Certification Program cmsg@tru.ca
250.371.5838

Culinary Arts Certificate (Professional Cook Training 1 and 2)

The Culinary Arts Certificate program includes three semesters (44 weeks) of hands-on training. Professional Cook 1 takes 30 weeks (two semesters) to complete. Professional Cook 2 takes 14 weeks (one semester) to complete. Graduates of the program receive a Culinary Arts Certificate and Professional Cook 1 & 2 certification under the Industry Training Authority.

Learning Options

Full-time Study

Students attend classes on a full-time basis.

On-Campus

Classes are held at the Kamloops campus.

Program Start Dates

Students may enter the program at the beginning of January or the end of August each year.

Program Overview

The Culinary Arts program gives students the skills and expertise needed to secure jobs in the food preparation industry.

The program has been an integral part of the campus and local community for more than three decades. The program's professional ideals are deeply rooted in a commitment to teach classic cooking fundamentals while incorporating current industry trends. The Culinary Arts Cafeteria, Bistro, and Accolades, a nationally recognized dining room, all showcase the efforts of students.

Foundation skills, creativity, teamwork, and professionalism are nurtured and encouraged by the instructors. Students become cooks in "real life" working kitchens and learn all aspects of the food preparation industry, from production to service.

Students will succeed in the Culinary Arts program if they are alert, quick-thinking and able to work under pressure. Being a team player is also important to a student's success.

Graduates wanting to take the next step in the profession may pursue Professional Cook 3 training.

Learning Experiences

Work Practicum and Industry Hours
The work practicum component of the program is mandatory and must be completed during the four month break between the Professional Cook 1 and Professional Cook 2 components. During this time students will be required to log 120 hours within the industry at an approved place of employment. The intent of the work practicum is to create a smooth transition from a learning environment to employment within industry.

The students' instructors and work supervisor will evaluate students during their work experience. The students will receive a "complete" or "incomplete" on their grade report for their practical work experiences.

In addition to the work practicum, students must have a total of 400 hours of work-based training documented prior to registering for the Professional Cook 2 portion of the program. This is a province wide standard mandated by the Industry Training Authority (ITA). Students are able to gain these hours by working throughout the school year and/or during the four month break. It is important to note that the 120 hour work practicum can be placed towards your 400 hours required by ITA.

*If students have worked or are working at a place of employment that is approved by the culinary arts faculty, documented hours gained prior to entering the program will be honoured. Documentation of employment must be provided.

Admission Requirements

Educational Requirements

1. B.C. grade 10 (or equivalent) is a minimum. Grade 12 is preferred.
2. Successful completion of FoodSafe certificate

General Requirements

1. Successful medical exam
2. Successful completion of a CAT pretest, through the TRU Assessment Center. (Call 250.828.5470 to arrange). Cost is $30. This test is a basic measure of competency, taken by all students, to ensure you have the basis for success in the program.
3. Interview with Department Chair
4. It is recommended that you have prior industry experience or have interviewed a chef or manager of a restaurant or hotel to have gained some insight into this trade.

The Typical Culinary Arts Student:

- Is innovative, artistic, agile
- Has good reading and writing skills (recipe reading/writing)
- Has good basic math skills (recipe conversions, food costing)
- Has problem solving skills
- Thrives in a fast-paced working environment
- Is a team player

Application Process

Applications are available from the TRU Admissions Office at www.tru.ca/admissions/apply

International student admissions, visit tru.ca/admissions/international

The following documentation must be included with applications:

- The application fee
- Official transcripts from all secondary and post-secondary institutions attended

Program Costs

In addition to tuition fees, students are also required to purchase the following:

Required Text, Tools and Clothing

Learning Guides	$158
Professional Cooking for Canadian Chefs	$112
Meat Manual	$30
Knife set/Pants/Tools	$340
Uniform Rental	$100
Total	$740

Please note: All prices are subject to change.

Jackets, aprons, and scarves are leased from a uniform company and are provided for the students.

Required Tools

- Pocket test or digital thermometer (metric)
- Turning knife
- Paring knife
- Steel
- 10" French knife
- Boning knife
- 12" slicer serrated
- Peeler
- Set of plain round pastry tubes
- Set of star tip pastry tubes
- 16" pastry bag
- 2 plastic scrapers
- 1½" wide pastry brush
- 3 pairs of cook pants

Program Requirements Professional Cook 1 and 2

Professional Cook 1

Monday to Friday | 7:30 am - 2:30 pm

Students will be required to take the following courses:

Block A	Occupational Skills
	Trade Knowledge
	Safety Standards
	Sanitary Standards
	Production Procedures
	Menu Planning
	Ordering and Inventory
	Ingredients and Nutritional Properties
Block B	Stocks, Soups and Sauces
	Stocks Thickening and Binding Agents, Soups, Sauces
Block C	Vegetables and Fruits
	Vegetables
	Fruits
Block D	Starches
	Potatoes, Pasta and Farinaceous Products
	Rice, Grains and Legumes
Block E	Meats
	Cut and Process Meats, Cook Meats
Block F	Poultry
	Cut and Process Poultry, Cook Poultry
Block G	Seafood
	Cut and Process Seafood
	Cook Fish

	Cook Shellfish
Block H	**Garde Manger**
	Dressings, Condiments, and Accompaniments
	Salads, Sandwiches
Block I	**Eggs, Breakfast Cookery, and Dairy**
	Egg Dishes
	Breakfast Accompaniments
	Dairy Products and Cheeses
Block J	**Baked Goods and Desserts**
	Principles of Baking
	Quick Breads
	Pastries
	Cookies
	Desserts
	Yeast Products
Block K	**Beverages**
	Beverages
	>>>>>>>>EXAMS

Professional Cook 2

Monday to Friday | 2:30 pm - 10:30 pm

During the final 14 weeks of the program you will be required to work in the afternoon and evenings preparing dishes for the highly acclaimed TRU Dining Room, Accolades. Theory is covered on Monday and the Dining Room is open Tuesday through Friday.

During this time you will prepare a variety of specialty dishes, entrées and desserts. In addition, you will learn to plan menus, control food costs and begin to acquire the management skills necessary to be successful in the culinary industry.

Students will be required to take the following courses:

Block A	**Occupational Skills**
	Trade Knowledge
	Menu Planning
	Ordering and Inventory
	Human Resource and Leadership Skills
	Cost Management
	Front of House
	Ingredients and Nutritional Properties
Block B	**Stocks, Soups and Sauces**
	Soups
	Sauces
Block C	**Vegetables and Fruits**
	Vegetables
	Vegetarian Dishes
Block D	**Starches**
	Potatoes
	Pastas and Farinaceous Products
	Rice, Grains and Legumes
Block E	**Meats**
	Cut and Process Meats
	Cook Meats
Block F	**Poultry**
	Cut and Process Poultry
	Cook Poultry
Block G	**Seafood**
	Cut and Process Seafood
	Cook Fish
	Cook Shellfish
Block H	**Garde Manger**
	Dressings, Condiments, and Accompaniments
	Salads
	Hors-d'oeuvre and Appetizers
	Presentation Platters
Block I	**Baked Goods and Desserts**
	Pastries
	Yeast Products
	Cakes and Tortes
	>>>>>>>>EXAMS

Professional Cook 3 Program Requirements

Graduates of the Culinary Arts program are encouraged to continue their training by pursuing an apprenticeship (Professional Cook 3). Those who complete the apprenticeship earn the status of Journeyperson Cook.

TRU offers Professional Cook 3 training based on sufficient student demand. Contact Jeff Jordan mailto:jjordan@tru.ca for more information.

In lieu of the apprenticeship program cooks may choose to work 9000 hours for 4½ years in the industry and challenge the Certificate of Qualification (Red Seal) examination. Further information on the apprenticeship program and trades certification can be found through the Industry Training Authority of BC http://www.itabc.ca.

Chef De Cuisine

Journeyperson Cooks are eligible to become members of the Canadian Federation of Chefs and Cooks (CFCC) and enroll in their study program to become a Certified Chef de Cuisine, who is generally the kitchen manager. You need to be a Journeyperson Cook for at least five years, and a CFCC member to enter their program.

Program Policies

Evaluation Process

Culinary Arts Faculty evaluate students in two ways

1. Formative

Formative evaluation is the feedback and advice instructors provide on a day to day basis, during and after class, in a group setting and in private consultation. Through this kind of evaluation the student receives direct and immediate feedback on their progress. Additionally, instructors keep records of student attendance, attitude and practical progress for future referencing.

2. Summative

Summative evaluation determines a student's final standing in the program. Each of the courses has a final mark and letter grade, which is determined by students completing quizzes, assignments, theory and practical exams.

Grading

A student must obtain 70% or a C average on each level and course. Final mark is determined by the following:

Theory Portion	25%
Practical Evaluation	75%

Academic Probation

The program places emphasis on training students to industry standards. A large component of the program requires teamwork. A student may be placed on probation by the instructor or department chair for one or more of the following circumstances:

- Frequent lateness
- Cheating on exams
- Absences without excuse
- Failure to notify the instructor of absences and/or tardiness
- General untidiness and consistent disregard for the program rules and regulations
- Failure to curb bad language, hostility and abusive actions
- Abuse of alcohol or drugs
- Consistent failure to complete practical assignments or weakness in theory

The first stage is to notify the student verbally of problems that must be dealt with. If these problems persist the student and instructor will collaboratively develop a probation contract. The student will be monitored and failure to show significant improvement during the period of the contract may result in a dismissal.

Program Contact

Department Chair - Professional Cook Training
250.377.6082

Meat Cutter/Retail Meat Processing

Program Options:

Retail Meat Processing Certificate Program: a foundation level program
Meat Cutter Apprenticeship Levels 1 and 2 training: for registered apprentices.

Retail Meat Processing Certificate Program

A nine-month program. Graduates receive a Retail Meat Processing Certificate.

Learning Options

Full-time Study

The program is offered on a full-time basis.

On-Campus

The program is offered at the Kamloops campus.

Program Start Date

End of August

Program Overview

The TRU Retail Meat Processing Program has been in operation since 1975 and is the only program offering this training in British Columbia. The current program is nine months of diversified full-time training. The 13 comprehensive courses that make up the program complement each other and challenge students in hand-eye coordination, safety, industry related math, and species and retail product recognition to Canadian Food Inspection Agency (CFIA) standards. Team work and self-motivation, as well as strict sanitation procedures are important components of all courses. A strong emphasis is placed on student attendance, punctuality, dress code, and professional conduct. Personalized knife skills and machine safety training are also integral to the program.

Students work hands-on (85%) with all four domestic animal species - beef, pork, lamb, and poultry - in both carcass and block ready form. Additionally, students are trained to work with most major game species during the fall semester.

Students are also able to participate in producing our very popular beef jerky and value-added product training. All students help to operate the very busy TRU Meat Store, learning business practices and important industry customer service skills.

TRU's Retail Meat Processing Program provides a broad spectrum of training to ensure that graduates are offered many opportunities to expand their knowledge of this fascinating industry; this includes six weeks of practical industry work experience in two different locations anywhere in British Columbia. In addition, students are encouraged to participate in a one-week field trip to some of the largest and most advanced animal processing and sausage manufacturing plants in British Columbia and Alberta.

To maintain the relevance of the program to provincial and local industry needs and standards, it is supported by an Advisory Committee with broad representation from the meat cutting industry.

High School students enrolled in this type of hands-on program through the (CTC) Career Technical Centre do very well and are usually working full time by the end of their Grade 12 year.

This program has been developed in consultation with the Ministry of Advanced Education, other Colleges and Institutes in British Columbia and across Canada, members of our Professional Retail Meat Processing Advisory Committee, the Canadian Professional Meat Cutters Association (CPMCA) and Business Operators not only in British Columbia, but also throughout Canada.

Learning Experiences

Productivity

The program places great emphasis on preparing students to meet the high standards and productivity level demanded by the industry. Students in every phase of the program are given varied work assignments and increased cutting responsibilities that match their growth in skill.

Practical Work Experience

During the program, students will be required to undertake two three-week work practica at two different locations to gain industry experience. The instructor helps arrange this in collaboration with businesses throughout British Columbia while the other students continue with cutting activities, sausage manufacturing and theory portions of the program in preparation for their own field work.

Students from outside of the immediate Kamloops area are encouraged to complete practica in their home communities.

Admission Requirements

Educational Requirements

1. B.C. Grade 10 or equivalent (Grade 12 preferred)

General Requirements

1. Canadian Citizenship or Permanent Resident status
2. Successful medical
3. Satisfactory achievement on Accuplacer Assessment Tests
4. Verification of orientation with Program Coordinator
5. FoodSafe Level 1 (available at www.foodsafebc.ca (see FoodSafe BC - http://www.foodsafebc.ca))

Admission Process

Students are required to attend an orientation session. These sessions provide valuable information about courses, programs, entrance requirements, and admission procedures. Prospective students also have the opportunity to ask questions. Retail Meat Processing orientations are on-going until the program is filled and must be arranged by appointment with the Instructor.

Please call the Retail Meat Processing Department at 250.828.5351 for orientation session dates.

Program Requirements

The Retail Meat Processing Program includes the following courses:

MEAT 1010	Safety and Sanitation
MEAT 1020	Beef and Veal Carcass Processing
MEAT 1030	Meat Science
MEAT 1040	Pork Processing
MEAT 1050	Lamb Processing
MEAT 1060	Poultry Processing
MEAT 1070	Seafood Processing
MEAT 1080	Product Identification and Nomenclature
MEAT 1090	Value Added Processing
MEAT 1100	Fresh, Smoked, and Cured Sausage
MEAT 1110	Meat Nutrition and Cooking
MEAT 1120	Customer Service and Employment Skills
MEAT 1130	Business Related Math

Note: While the basic components of the program are standard, the program is designed to keep pace with industry demands, and is subject to change without notice.

Theory sessions are sometimes supplemented with guest speakers, including:

- Canadian Food Inspection Agency Inspectors
- Animal Health Veterinarians
- Meat Scientists

Note: Students will be advised of special guests, lectures and field trips in advance wherever possible. All of these are subject to change depending on availability.

Program Policies

Once the student is in the course, he/she will be expected to maintain the following:

- be punctual and consistent in attendance
- be cooperative in all team work activities
- maintain a positive attitude

Dress Code

The program dress code is based on industry practices and requires all apprentices to wear clean shirts and ties, black work slacks and black work shoes (no runners). The code is in effect Monday to Friday. Informal, but clean and tidy, dress is appropriate during theory sessions.

Lab Work Coats

Lab work coats are provided and laundered.

Medical Insurance

All students must provide proof of medical insurance protection before attending.

Program Costs

In addition to tuition fees, students must also purchase required text books and materials at an estimated cost of $700.

Meat Cutter Apprenticeship

TRU offers both Level 1 and Level 2 apprenticeship training. Applicants must be registered apprentices to apply for these two courses. Each training module is four weeks in length.

The training modules are designed to prepare apprentices for the Interprovincial Trade Qualification Examination at the end of the Level II course. Each course combines theory and practical components.

Apprenticeship is usually completed over a three-year period.

For further information on apprenticeship, visit:

www.apprenticetrades.ca

www.apprenticetrades.ca

www.itabc.ca

Admission Requirements

1. Must be a registered apprentice.
2. Must have a current FoodSafe Level I Certificate.
3. Must be physically able to lift and manoeuvre product (boxed product, front and hind quarters of beef, etc.).
4. Must have good manual dexterity.
5. Must have a strong, positive attitude.

Program Overview

Apprenticeship Level I

The Apprenticeship Level I course covers the following modules and topics:

MEAT 2010	Sanitation, Safety, Refrigeration, Equipment and Hand Tools
MEAT 2020	Beef and Veal Processing – Variety Meat, Inspection, and Grading
MEAT 2030	Meat Science Level I
MEAT 2040	Pork Processing, Inspection and Grading
MEAT 2050	Lamb Processing, Inspection and Grading
MEAT 2060	Poultry Processing, Inspection and Grading

MEAT 2070	Seafood Processing Level I
MEAT 2080	Product Identification and Nomenclature I
MEAT 2090	Value Added Processing I
MEAT 2100	Meat Packaging
MEAT 2110	Meat Cooking I
MEAT 2120	Customer Service Practices I
MEAT 2130	Business and Related Math I

Apprenticeship Level II

The Apprenticeship Level II course covers the following modules and topics:

MEAT 3010	Sanitation, Safety, Refrigeration, Equipment and Hand Tools
MEAT 3020	Beef and Veal Processing – Variety Meat, Inspection, and Grading
MEAT 3030	Meat Science Level II
MEAT 3040	Pork Processing, Inspection and Grading
MEAT 3050	Lamb Processing, Inspection and Grading
MEAT 3060	Poultry Processing, Inspection and Grading
MEAT 3070	Seafood Processing Level II
MEAT 3080	Product Identification and Nomenclature II
MEAT 3090	Value Added Processing II
MEAT 3100	Meat Packaging
MEAT 3110	Meat Nutrition Level II
MEAT 3120	Customer Service Practices II
MEAT 3130	Business and Related Math II

Level I and Level II courses are theory based and consist of instructor demonstrations of product followed by your own opportunity to do practical cutting.

Program Costs

In addition to tuition, apprentices must provide their own:

- knives and steel
- clean waterproof gumboots

These additional required items can be purchased at the TRU Bookstore:

Scabbard and chain belt	$20
Apron	$15
Chemical Safety Goggles	$10
Sanitation Gloves	$10
Pocket Calculator (with % button)	$15
C.P.M.C.A. Manual of Meat Processing	$110
1 – 2” D-ring Binder	$6
Stationary Supplies (pens, pencils, paper, etc.)	$10
1 padlock with 2 keys	$6
Total	$202

Please note: All prices are subject to change.

Program Contact

250.828.5360
250.371.5991

Faculty of Arts

Bachelor of Arts Degree

A four-year undergraduate degree program. Graduates receive a Bachelor of Arts degree (BA).

Learning Options

Full-time or Part-time

Study full-time or part-time.

On-Campus

The degree program is offered on the main campus of TRU in Kamloops. A selection of 1st and 2nd year courses is offered at the Williams Lake campus.

Program Start Dates

Students may enter the program in Fall, Winter, or Summer semester.

Distance Education

Many courses are available by distance education www.tru.ca/distance.

Program Overview

The BA program provides a broad liberal arts education by combining a concentration in at least one discipline or thematic area of study with requirements that ensure a broad selection of courses. The Major programs of Economics, Economic and Political Studies, English, Geography and Environmental Studies, History, Mathematics, Psychology, Sociology, and Theatre Arts allow students to focus specifically on courses in one area of study. All students in the BA program are exposed to a second language and to the process of scientific and formal reasoning. Moreover, the BA program emphasizes written communication skills. Each student must complete six credits of study in writing intensive courses at both the 1000-2000 level and at the 3000-4000 level. Each program of study, however, includes a number of possible degree options. Thus, students have a good deal of freedom to design a BA program that suits their own individual needs.

Students normally enter at the beginning of the first year. Entry is also possible at the second or third year levels. Students may choose from two types of BA programs: the General BA (with a concentration or a Thematic Studies Option) and the Major BA (with or without a Minor).

If you have any questions or require further information, contact the BA Program Advisor at BAAdvising@tru.ca.

Service Learning

Students may take six credits of service learning during their third or fourth year. Of these six credits, three may be applied directly to the major. A service learning course is a faculty-supervised community-based learning project completed individually or in groups of up to five students.

Co-operative Education

A Co-operative Education work term is considered a three-credit elective. Each program has different requirements for the elective. Contact the BA program advisor for more information.

Co-operative Education allows students to integrate academic studies with paid periods of relevant experience. Students alternate between periods of on-campus, full-time study, and work terms, which are full-time, paid employment.

Students in the BA Co-op option who complete one work term are granted three credits for a non-arts elective. These three credits may be counted toward graduation requirements. For each additional work term, students are granted three credits; however, these credits may not be counted toward graduation requirements and are considered additional credits. (See your advisor for more information.)

Students must have a minimum GPA of 2.67 to apply to the BA Co-op option and must maintain a GPA of 2.67 to remain in the program. Generally, students must have completed 48 credits before beginning their first work term.

Completion of Co-op 0900 is mandatory prior to a student's first work term. Refer to the Co-operative Education section of the calendar for detailed information on Co-op policies and procedures and tuition fees.

Sample Bachelor of Arts Co-op Time Pattern

	Sept-Dec	Jan-Apr	May-Aug
Year 1	Academic Semester 1	Academic Semester 2	Co-op Work Term
Year 2	Academic Semester 3	Academic Semester 4	Co-op Work Term
Year 3	Academic Semester 5	Academic Semester 6	Co-op Work Term
Year 4	Academic Semester 7	Academic Semester 8	Grad

International Opportunities

Study Abroad

TRU offers a range of International Exchange opportunities, and is a member of a large, international Study Abroad program that gives students access to universities around the world. BA students may want to spend one or more semesters of study at another university.

International Field Schools

TRU offers a number of general and program specific field schools every year. These schools run from two to six weeks in length and offer course credit that can be applied to your degree.

Admission Requirements

1. Admission to the Bachelor of Arts degree requires BC Grade 12 or Adult Dogwood or Mature student status.

2. English 12/English 12 First Peoples with a minimum of 73% within the last five years. Applicants who do not meet this requirement, will have to complete one of the following prerequisites to qualify for ENGL 1100:

   - Level 5, on the composition section of the Language Proficiency Index (within the last 2 years) or;
   - completion of English 0600 or;
   - completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

3. Mathematics 11 or higher is strongly recommended for students pursuing Education or a major in Geography and Environmental Studies, Sociology or Psychology

Laddering Credits from other Programs

Course credit from the TRU Associate of Arts degree may be applied toward a BA degree. Contact the BA Program Advisor BAAdvising@tru.ca for more information.

Program Requirements

Applicable to all BA Degree Options

To graduate with a BA, students must meet all of the following requirements:

1. **Course Credit Requirements**. Successful completion of at least 120 credits. No more than 42 credits may come from courses numbered below 2000. A minimum of 48 credits must come from 3000-4000 level courses. Students may transfer up to 60 approved credits from other post-secondary institutions, but at least 36 credits in 3000-4000 level courses must be completed at TRU. Students registered in their second 30 credits (credits 31 to 60) may take up to 6 credits in 3000-4000 level courses for which they have the prerequisites. A maximum of 12 credits may be taken in courses outside the Arts and Sciences. (No approval is needed for TRU courses that carry academic credit at this institution. TRU courses taught for Physical Education, Career and Vocational programs are evaluated on a course-by-course basis. Other outside credits must be approved by the BA Advisor and/or the Dean of Arts.)
2. **GPA Requirement.** A minimum cumulative GPA of 2.0 is required for graduation.
3. **First-Year English Requirement.** A minimum of six first-year English credits.
4. **Scientific and Formal Reasoning Requirement.** A minimum of nine academic course credits in any combination of courses in:

Science	ASTR, BIOL, CHEM, FRST, GEOL, NRSC, PHYS
Archaeology	ARCH 1110, 1190
Physical Geography Geography and Environmental Studies	GEOG 1000, 2020, 2050 GEOG 2700, 2740
Mathematics	MATH
Computing Science	COMP
Statistics*	STAT or any one of BUEC 2320, PSYC 2100, SOCI 2710
Formal Logic	PHIL 2220
Understanding Scientific Reasoning	PHIL 2400
*Note: Credit will normally be given for only one of the following introductory statistics courses: BIOL 3000, BUEC 2320, PSYC 2100, SOCI 2710, STAT 1200.	

5. **Breadth Requirement.** A minimum of one 1000-2000 level course in at least four separate Arts disciplines. Arts disciplines include: Anthropology, Archaeology, Canadian Studies, Chinese, Economics, English, Film, French, Geography and Environmental Studies, German, History, Japanese, Philosophy, Political Studies, Psychology, Sociology, Spanish, Speech, Theatre, and Visual Arts.

   Courses used for the purposes of fulfilling this requirement may also be used to fulfill the Distribution Requirement, Second Language Requirement, or 1000-2000 Level Writing Intensive Requirement. However, courses used to fulfill this requirement must be exclusive of any course used to fulfill the First-Year English Requirements and the Scientific and Formal Reasoning Requirement.

6. **Distribution Requirement.** A minimum of one 1000-2000 level course in at least two of the following categories:

Humanities	History, Modern Languages, English Literature, Philosophy
Social Sciences	Anthropology, Archaeology, Economics, Geography and Environmental Studies, History, Political Studies, Psychology, Sociology
Creative and Performing Arts	Film, Visual Arts, Theatre, Music, Creative Writing

   Courses used for the purposes of fulfilling this requirement may also be used to fulfill the Breadth Requirement, Second Language Requirement, or 1000-2000 level Writing Intensive Requirement. However, courses used for the purposes of fulfilling this requirement must be exclusive of any course used to fulfill the First-Year English Requirement and the Scientific and Formal Reasoning Requirement. Furthermore, students may not use two courses in the same discipline (e.g., an English Literature class and a Creative Writing class) to fulfill the Distribution Requirement.

7. **Second Language Requirement.** A second language to grade 12 or six credits in a post-secondary second language courses.

   Courses used to fulfill this requirement may also be used to fulfill the Breadth Requirement or Distribution Requirement.

8. **1000-2000 Level Writing Intensive Requirement.** A minimum of six credits in 1000-2000 level courses selected from a list of designated courses that are writing intensive.

   Courses used for the purposes of fulfilling this requirement may also be used to fulfill the Breadth Requirement or Distribution Requirement. However, course fulfilling this requirement must be exclusive of any course used to fulfill the First-Year English Requirement.

1000-2000 Level Writing Intensive Courses (2000-2001) (Please check with Academic Advisors for any additions)	
ANTH	2150, 2600
CMNS	2290, 2300
CNST	2420
ECON	2430, 2600
ENGL	2010, 2020, 2040, 2060, 2070, 2080, 2110, 2120, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2240, 2250, 2260, 2270, 2400, 2410
FILM	2100, 2200
VISA	1110, 1120, 1500, 2020, 2040, 2110, 2150, 2210
GEOG	2400
HIST	All 1000 and 2000 level courses
JAPA	2600, 2610
PHIL	1010, 2010, 2210, 2240, 2290, 2390
POLI	2250
SOCI	2230, 2500, 2590, 2720
THTR	2110, 2210

9. **3000-4000 Level Writing Intensive Requirement.** Minimum of six credits in 3000-4000 level courses selected from a list of designated courses that are writing intensive.

3000-4000 Level Writing Intensive Courses (Please check with Academic Advisors for any additions)	
ANTH	3000, 3120, 3270, 3280, 4000, 4010, 4030, 4040, 4050, 4150, 4330, 4600
ARCH	4200
BUEC	3330, 4330
CNST	3110, 3120, 3250, 3260
ECON	3100, 3500, 3550, 3600, 3650, 3670, 3700
ENGL	3080, 3090, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3300, 3310, 3320, 3350, 3710, 3750, 3810, 3820, 3840, 3850, 3860, 3890, 3910, 3940, 4000, 4040, 4130, 4140, 4150, 4160, 4200, 4240, 4250, 4260, 4340, 4350, 4360, 4370, 4440, 4450, 4460, 4470, 4510, 4600, 4610, 4780,4790
FILM	3850, 4050, 4100, 4140
FREN	3250, 3260
GEOG	3200, 3210, 3270, 3280, 3500, 3570, 3610, 3650 4230, 4500, 4810
HIST	All 3000 and 4000 level courses
JOUR	3050, 3100, 3200, 4100, 4200, 4530, 4540, 4550
PHIL	3140, 3150, 3160, 3210, 3300, 3400, 3390, 3490, 3750, 4160, 4180, 4190, 4250, 4260, 4300, 4330, 4350, 4390, 4510
POLI	3010, 3050, 3460, 4020
PSYC	3190, 3380, 4400,4990
SOCI	3200, 3210, 3220, 3610, 3680, 3800, 3820, 4130, 4640, 4700
THTR	3110, 3120, 3210, 3220, 3260, 3270, 3600, 4000, 4250, 4260, 4300, 4600
VISA	3130, 3150

The General BA Program

The table below, "Summary of Requirements—General BA Program," summarizes the minimum credits required for the three options under the General Bachelor of Arts Program. As some situations involve more than the minimum credits, students should read carefully the program descriptions that follow.

Summary of Requirements - General BA Program	Single Concentration	Thematic Option	Double Concentration
Total Credits	120	120	120
of which courses 3000+	48	48	48
Total within specialty(ies)	30	45	30 + 30
of which courses 3000+	18	30	18 + 18
Total outside speciality(ies)	84	75	60
of which courses 3000+	12	n/a	12 or 0*
* If second concentration is in a category outside of first concentration.			

There are three options under the General B.A. Program:

1. General B.A. with a Single Concentration
2. General B.A. with a Thematic Studies Option
3. General B.A. with a Double Concentration

General BA with a Single Concentration

A minimum of 30 credits and a maximum of 36 credits in one Arts discipline, including a minimum of 18 and a maximum of 24 credits in 3000-4000 level courses. Arts disciplines are grouped into the following categories:

Humanities:	History, Modern Languages, English, Philosophy
Social Sciences:	Anthropology, Archaeology, Economics, Geography and Environmental Studies, History, Political Studies, Psychology, Sociology
Creative & Performing Arts	Film, Theatre, Visual Arts

Students must take a minimum of 12 credits in 3000-4000 level courses in a category (or categories) other than the student's area of concentration. While a student's area of concentration must be in an Arts discipline, any or all of the 3000-4000 level courses outside of the category of concentration may be in categories outside of Arts. Categories outside of Arts include:

Science:	Biology, Chemistry, Geology, Natural Resource Sciences, Physics
Business, Computing & Mathematics:	Business Administration, Business Economics, Business Studies, Computing Science, Mathematics, Statistics

General BA with a Thematic Studies Option

Students must complete the core course requirement in the area of the Thematic Study, plus a minimum of 42 credits from a list of designated content courses for the Thematic Study. At least 30 of these credits must be in 3000-4000 level courses. At present, Canadian Studies is the only available Thematic Studies Option. Canadian Studies eligible courses are annotated in the Course Descriptions List with a ☐.

Requirements
All requirements of the General B.A. program apply. In addition to the B.A. Admission Requirements, first- and second-year students must successfully complete the following:

1. Canadian Studies 2000 (3 credits). See calendar description.
2. A minimum of 12 credits from the approved list of first- and second-year Canadian Content courses below.

Once admitted to the B.A. program, students completing a Thematic Option in Canadian Studies must also fulfill the following requirements:

1. Of the 18 credits in the General B.A. disciplinary Area of Concentration, at least 6 credits must be from the approved third- and fourth-year Canadian Content course list below.
2. Of the 12 credits in the General B.A. Category B, at least 6 credits must be from the approved third- and fourth-year Canadian Content course list below.
3. Of the 48-60 credits of third- and fourth-year courses taken in total, at least 30 credits must be from the approved third and fourth year Canadian Content course list below.

Please note that first- and second-year Canadian content courses do not necessarily fulfill prerequisite requirements for courses in the third- and fourth-year Canadian content course list. For all prerequisite information, consult the calendar.

First and Second Year Canadian Content Courses		Credits
ANTH 2140	Canadian Native Peoples	3
ARCH 2190	Ancient North Americans	3
ARCH 2230	Indians of British Columbia	3
CNST 2420	Canadian Literature on Film	3
ECON 2230	Canadian Economic History	3
ECON 2430	Global and Canadian Economic Issues	3
ECON 2600	The Economy of British Columbia	3
ENGL 2040	Studies in Canadian Drama	3
ENGL 2170	Survey of Canadian Literature: Beginnings to 1950s	3
ENGL 2270	Survey of Canadian Literature: From the 1950s to the Present	3
ENGL 2410	Canadian Native Literature	3
FREN 1110	Modern French Language and Literature I	3
FREN 1210	Modern French Language and Literature II	3
GEOG 2220	The Regional Geography of Canada	3
GEOG 2230	The Regional Geography of British Columbia and Yukon	3
HIST 1120	An Introduction to Canadian History	3
HIST 1220	History of Canada, 1867 to the Present	3
HIST 2020	Native History of Canada	3
HIST 2700	The History of Women in Canadian Society	3
POLI 1110	The Government and Politics of Canada	3
POLI 2230	Canadian Government II: Public Administration and Public Policy	3
POLI 2250	Law and Politics	3
SOCI 2010	Race and Ethnic Relations	3
SOCI 2100	Canadian Social Issues	3
SOCI 2130	Women in Comparative Perspective	3
SOCI 2500	Crime and Society	3

First and Second Year Canadian Content Courses		Credits
VISA 2150	A Survey of the History of Canadian Painting	3

Third and Fourth Year Canadian Content Courses		Credits
Social Sciences		
ARCH 3060	Summer Field Training in Archaeology	6
ANTH 3270	First Nations Natural Resource Management	3
ANTH 4010	Native Peoples of North America	3 or 6
ANTH 4040	Peoples and Cultures of the North American Arctic	3
ANTH 4050	Canadian Status/Treaty Indian Reserve Communities	3
ARCH 4110	Prehistory of a Special Area in the New World	3 or 6
ARCH 4200	Archaeology of British Columbia	3
CNST 3110	Canadian Communities in Transition	3
CNST 3120	Canadian Aboriginal Drama	3
CNST 3250	Quebec Cinema in Translation	3
CNST 3260	Quebec Literature in Translation	3
ECON 3100	Canadian Financial Markets	3
ECON 3360	Economic History of Canada	6
ECON 3500	Public Finance: Policy Topics	3
ECON 3600	Labour Economics	3
ECON 3650	Industrial Organization	3
ECON 3710	Economics of the Environment	3
ECON 3740	Land Use	3
ECON 3840	Economic Analysis of Health Services	3
GEOG 3270	Historical Geography of Canada I, Canada Before 1850	3
GEOG 3280	Historical Geography of Canada II, Canada After 1850	3
GEOG 3500	Introduction to Urban Geography	3
GEOG 3630	The Geography of Resource Industries	3
HIST 3010	Canada in the Age of Nations	3
HIST 3040	The History of the Canadian West	3
HIST 3050	British Columbia	3
HIST 3060	The History of Quebec	3
HIST 3120	Canada in the Cold War	3
HIST 3510	The History of Childhood and Education	3
HIST 4030	Topics in Canadian Gender History	3
HIST 4050	Topics in British Columbia History	3
HIST 4250	Topics in Canadian History	3
HIST 4700	Population and Family in the Past	3
HIST 4990	Topics in Canadian Labour History	3
POLI 3010	Canadian Political Parties	3
POLI 3030	Federalism in Canada	3
POLI 3050	Canadian Political Ideas	3
POLI 3610	Canadian Foreign Policy	3
POLI 4010	Canadian Provincial and Regional Politics	3
POLI 4020	Politics of the Canadian Constitutions	3
POLI 4050	Topics in Canadian Politics	3
POLI 4110	Humanitarian Intervention: A Canadian Perspective	3
SOCI 3100	Canadian Society	6
SOCI 3600	Sociology and Natural Resources	3

Third and Fourth Year Canadian Content Courses		Credits
SOCI 3610	Social Inequality	6
SOCI 4700	Sociology of Crime and Justice	3
SOCI 4840	Sociology of Health and Illness	3 or 6
Humanities		
ENGL 4150	Studies in Women's Literature	3
ENGL 4200	Canadian Literature	6
ENGL 4250	Contemporary Canadian Poetry	3
ENGL 4260	Studies in Canadian Literature	3
ENGL 4470	Studies in Aboriginal Literature (North America)	3
FREN 3350	French Canadian Civilization	6
FREN 4160	French-Canadian Literature	3 or 6
HIST 3010	Canada in the Age of Nations	3
HIST 3040	The History of the Canadian West	3
HIST 3050	British Columbia	3
HIST 3060	The History of Quebec	3
HIST 3120	Canada in the Cold War	3
HIST 3510	The History of Childhood and Education	3
HIST 4030	Topics in Canadian Gender History	3
HIST 4050	Topics in British Columbia History	3
HIST 4250	Topics in Canadian History	3
HIST 4700	Population and Family in the Past	3
HIST 4990	Topics in Canadian Labour History	3
Creative and Performing Arts		
THTR 3260	History of Canadian Theatre to 1950	3
THTR 3270	History of Canadian Theatre After 1950	3
THTR 4250	Theatre of British Columbia Before 1950	3
THTR 4260	Theatre of British Columbia After 1950	3
VISA 3730	Photography and Literature: A Canadian Perspective	6
		A Suggestion:
Students concentrating in Canadian Studies might wish to select from the following to fulfill requirements for credits outside of Arts disciplines. All are Canadian-content focused.		
JOUR 2010	Studies in Journalism: Images of Journalism in Film	3
JOUR 3050	Introduction to Media and Journalism in Canada	3
JOUR 3150	Media Issues 2: Scientific and Environmental Media Issues	3
JOUR 3400	National and International Media	3
JOUR 3600	Media Issues I: Politics, Economics, and Geography Media Issues	3
JOUR 4110	Issues in Journalism : A Case Studies Approach	3
JOUR 4200	Specialized Reporting	3
JOUR 4570	Media and Communication Theory	3

General BA with a Double Concentration

Students in the General BA may take two concentrations. In such a case, students must take a minimum of 30 and a maximum of 36 credits in each of their two disciplines of concentration, including a minimum of 18 and a maximum of 24 credits in 3000-4000 level courses in each of the two disciplines. A student must still take a minimum of 12 credits in 3000-4000 level courses in a category (or in categories) other than the student's area of concentration. If the second concentration is in a category outside of the first concentration, however, this requirement will be met automatically.

Continuation Requirements

The BA is a four-year degree program. Once a student is admitted to the program, he or she will continue in the program without having to re-apply for entry into Year Three. However, continuation from Year Two into Year Three is contingent upon meeting the following requirements:

1. **First-Year English Requirement:** Advancement to Year Three of the BA program requires satisfactory completion of the first year English requirement. Students who do not meet the six-credit first year English requirement before completing 60 credits of Arts-eligible credits, taken either at TRU or another post-secondary institution, will not be permitted to register in courses other than first year English until that requirement is satisfied.
2. **GPA Requirement:** Advancement to Year Three of TRU BA program requires a minimum cumulative G.P.A. of 2.0. (In exceptional circumstances students with a cumulative G.P.A. of less than 2.0 but no lower than 1.95 will be conditionally registered in Year Three with the approval of the Dean of Arts.)

Program Advising

Students in the first and second years of the BA program should choose their 1000-2000 level courses in consultation with Academic Advisors in order to meet the basic requirements and the specific course requirements of 3000-4000 level courses. After completing their first 30 credits, but before completing their first 60 credits, students will be required to consult with a BA Program Advisor and declare a degree option. The BA Advisor BAAdvising@tru.ca will assist each student in selecting 3000-4000 level courses to meet graduation requirements and any specific requirements for the various degree options. Students wishing to complete a Major program must consult a Major Program Advisor in the discipline selected prior to seeing the BA Advisor. The Major Advisor will assist each student in selecting courses that satisfy the Major program requirements. The BA Advisor will then ensure that all additional BA degree requirements are met. For appointments call:

B.A. Program Advisor	250.371.5566
Economics Advisor	250.371.5755
Economics Advisor	250.371.5755
Political Studies Advisor	250.371.5523
English Advisor	250.371.5521
Geography & Environmental Studies Advisor	250.828.5116
History Advisor	250.371.5521
Mathematics Advisor	250.828.5054
Philosophy Advisor	250.371.5521
Psychology Advisor	250.828.5116
Sociology Advisor	250.828.5116
Theatre Advisor	250.828.5020

Major Program

The table below, "Summary of Requirements - Major BA Program," summarizes the minimum credits required for the three options under the Major Program, Bachelor of Arts. As most Major programs require more than the minimum credits, students should read carefully the individual program descriptions which follow.

Summary of Typical Requirements - Major B.A. Program	Single Major	Major + Minor	Double Major
Total Credits	120	120	120
Of which courses 3000+	48	48	66
Total within specialty(ies)	42	42 + 30	42 + 42
Of which courses 3000+	30 to 33	30 to 33 + 18	30 to 33 + 30 to 33
Courses 3000+ outside Major disciplines	6	6	6

Major programs require a minimum of 42 to 45 and a maximum of 60 credits in one discipline, including a minimum of 30 and a maximum of 42 credits at the 3000-4000 level. At least six credits must be taken in 3000-4000 level courses in disciplines which do not offer Major programs. Currently these disciplines include: Anthropology, Archaeology, Canadian Studies, Film, Modern Languages, Political Studies, and Visual Arts.

Major programs are currently available at TRU in Economics, Economics/Politics, English, Geography and Environmental Studies, History, Mathematics, Philosophy, Psychology, Sociology, and Theatre Arts. Each discipline has its own specific requirements for its Major program. Students should read carefully the individual program descriptions which follow.

Major Program in Economics

Economics Major, Minor, and Concentration programs within the Bachelor of Arts are designed to provide a high quality undergraduate economics education within a liberal arts tradition.
The purpose of the BA with a major in Economics is to introduce students to the core body of knowledge within the Economics discipline, thereby developing within the students a particular set of abilities or skills.

Admission Requirements

Students are expected to enter the Major program in the third year of their studies, although fourth year applicants will also be considered. According to the rules of the TRU BA program, students can declare their Major as early as the second year of their studies. Regardless of the chosen time of entrance into the program, all candidates must meet with the Economics Major Advisor to check their qualifications and design the best suited path for completing the Economics and BA degree requirements. Given the complexity of the various requirements, it is highly advisable that students consult the Economics Major Advisor as soon as they decide to enter into the program.

The minimum admission requirements into the Economics Major are admission to the BA program, and completion of ECON 1900, ECON 1950 and one of the following courses: MATH 1170 or MATH 1140, or equivalent.

Graduation Requirements

The Major in Economics program requires the completion of at least:

45 credits in Economics (ECON and BUEC)
3 credits in Mathematics
3 credits from disciplines within the Arts Division

From the 45 credits in Economics, a minimum of 30 credits must be at the upper level (3000 and 4000 level) of which no less than 6 credits must be at the 4000 level.

The program consists of required and elective courses. There are also a number of suggested courses.

Required Economics Courses	
ECON 1900	Principles of Microeconomics
ECON 1950	Principles of Macroeconomics
ECON 2900	Intermediate Microeconomics 1
ECON 2950	Intermediate Macroeconomics 1
BUEC 2320	Economic and Business Statistics 1
BUEC 3330	Economic and Business Statistics 2
ECON 3900 Or ECON 3950	Intermediate Microeconomics 2 Or Intermediate Macroeconomics 2
Other Economics and BUEC courses to select from	
ECON 3100	Canadian Financial Markets*
ECON 3200	Introduction to Mathematical Economics
ECON 3500	Public Finance Policy Topics
ECON 3550	International Economics
ECON 3600	Labour Economics
ECON 3610	The Economics of Gender
ECON 3650	Government and Business
ECON 3670	Economic Analysis of Law
ECON 3700	Benefit-cost Analysis and the Economics of Project Evaluation*
ECON 3710	Economics of the Environment*
ECON 3730	Forestry Economics*
ECON 3740	Land Use*
ECON 3840	Economic Analysis of Health Services
ECON 4100	International Financial Markets
ECON 4320	Econometrics
BUEC 4330	Forecasting in Business and Economics
ECON 4500	Economics of Taxation
ECON 4550	International Trade
ECON 4560	International Macroeconomics and Finance
ECON 4660	Industrial Organization
ECON 4720	Sustainable Economic Development
ECON 4800	Transportation

*Offered every year. The other courses are rotated. Speak to the department chair for information on which other courses are offered in any given year.

Required Mathematics courses:

Choose one of the following courses:

MATH 1170 Or MATH 1140 Or Equivalent	Calculus for Business and Economics Or Calculus I Or Equivalent

Supplementary Arts Requirement:

Choose one of the following courses:

ANTH 1210	Introduction to Cultural Anthropology
CMNS 2290	Business, Technical and Professional Communication
GEOG 1110	World Regional Geography
GEOG 2110	Geography of the Economic Landscape
HIST 1220	History of Canada
PHIL 1110	Critical Thinking
PHIL 2010	Introduction to Ethics
PHIL 2210	Contemporary Moral Issues
POLI 1110	The Government and Politics of Canada
POLI 1210	Contemporary Ideologies
Any second year POLI course	
PSYC 1110	Introduction to Psychology
SOCI 1110	Introduction to Sociology
SPEE 1500	Speech Communication
SPEE 1600	Speech Communication
SPEE 2500	Business Presentations

Suggested courses

The following courses are recommended as Arts elective courses to supplement the Economics Major.

ANTH 2150	Studies in Ethnography
ARCH 2190	Ancient North Americans
ANTH 2600	Minorities in the Modern World
GEOG 1100	Environmental Studies: Human Interaction with the Natural Environment
GEOG 3100	Environment and Resources
GEOG 3610	Themes in Economic Geography
HIST 2270	Major Issues in American History
PHIL 3300	Moral and Political Philosophy II
PHIL 2220	Elementary Formal Logic
POLI 3440	Social and Political Thought
POLI 3030	Federalism in Canada
PSYC 2220	Introduction to Social Psychology
SOCI 3600	Sociology and Natural Resources
SOCI 3610	Social Inequality
SOCI 4730	Global Social Change

Program Contact

BA Advisor baadvising@tru.ca
250.371.5566

Economics Advisors
250.371.5732

Major Program in Economic and Political Studies

Economics and politics is "the study of choices" and so is concerned with all areas of our lives. It provides rigorous analysis of many real-world subjects: government institutions, taxes, unemployment, financial markets, international trade, development, and economic growth, but also poverty, crime, pollution, health care, education, the environment, and many others areas.

The very best reason to study economics and politics is to better understand the world and help you make better choices. It can help you become a better citizen and a more rigorous thinker... not to mention its contributions to advancing your career goals!

Graduation Requirements

The Major in Economic and Political Studies program requires the completion of at least 57 credits in Economics and Political Science, of which a minimum of 30 credits must be at the upper level (3000 and 4000 level) of which no less than 6 credits must be at the 4000 level. The program consists of core and elective courses.

The Major in Economic and Political Studies requires the completion of:

Lower Level	
BUEC 2320	Economic and Business Statistics 1
ECON 1900	Principles of Microeconomics
ECON 1950	Principles of Macroeconomics
ECON 2950 Or ECON 2430*	Intermediate Macroeconomics 1 Global and Canadian Economic Issues
POLI 1110	The Government and Politics in Canada
POLI 1210	Contemporary Ideologies
Plus: any two (2) additional second year POLI courses	
Upper Level	**Select five courses from the following list:**
ECON 3100	Canadian Financial Markets
ECON 3500	Public Finance
ECON 3550	International Economics
ECON 3600	Labour Economics
ECON 3610	The Economics of Gender
ECON 3650	Government and Business
ECON 3670	Economic Analysis of Law
ECON 3690	Community Economic Development
ECON 3700	Benefit-cost Analysis and the Economics of Project Analysis*
ECON 3710	Economics and the Environment*
ECON 3730	Forestry Economics*
ECON 3840	Economic Analysis of Health Services
ECON 4500	Economics of Taxation
ECON 4550	International Trade
ECON 4560	International Macroeconomics and Finance
ECON 4720	Sustainable Economic Development
ECON 4800	Transportation
Plus: select five courses from the following list	
POLI 3010	Canadian Political Parties
POLI 3030	Federalism in Canada
POLI 3050	Canadian Political Ideas
POLI 3100	Local Government in Canada
POLI 3200	American Government and Politics
POLI 3420	Modern Political Thought
POLI 3440	Social and Political Thought
POLI 3460	Democratic Theory
POLI 3520	Politics of Development

POLI 3610	Canadian Foreign Policy
POLI 3640	Introduction to Politics of the Middle East
POLI 3650	Government and Business
POLI 4010	Canadian Provincial and Regional Politics
POLI 4020	Politics of the Canadian Constitution
POLI 4050	Topics in Canadian Politics
POLI 4060	Topics in Latin American Politics
Plus: any two (2) additional ECON or BUEC third or fourth year courses	
Recommended: Any one history course and an additional six (6) language credits	
*Students may substitute any other ECON/BUEC course at the 2000 level or above for either ECON 2430 or ECON 2950 but not both.	

Admission Requirements

Students usually declare their Major before the start of their third year of courses. All candidates are assigned a Major Program Advisor and they must meet to ensure that they qualify and so that an appropriate selection of courses can take place.

The minimum admission requirements into the Economic and Political Studies Major are admission to the BA program, and completion of ECON 1900, ECON 1950, POLI 1110, POLI 1210, BUEC 2320 or equivalent, and one of the following courses: MATH 1170 or MATH 1140 or equivalent.

Program Contact

BA Advisor
baadvising@tru.ca
250.371.5566
Economics & Political Studies Advisors
250.371.5755
250.371.5523

Major Program in English

The focus of English studies is reading, writing, and imagining: the basic skills that our civilization depends on, and always will. The study of English introduces students to an enormous range of human creative activity, from ancient civilizations to the most recent developments in film and creative writing. English forms a natural fit with other disciplines, too, including history, Canadian Studies, journalism, philosophy, fine arts, sociology, and psychology. A degree in English will never be obsolete; it provides experience and skills that will remain of value throughout one's lifetime.

The English Major Program provides a comprehensive study of writing from ancient to contemporary cultures. Students are encouraged to explore complex texts and to develop their thinking, writing, and reading skills – skills essential for numerous professions in the Information Age and for future literary studies. The program provides the comprehensive, historical coverage generally demanded of students going on to further study in English literature, with an emphasis on the breadth of recent English literature. Students can receive a BA with a Major in English.

The English Department at TRU is exceptionally strong. Several of our faculty has received Master Teacher and Scholarly Merit awards, and our graduates have been accepted into graduate programs across Canada and have won prestigious awards such as the Bombardier Scholarship and the University Medal in Arts.

Admission Requirements

1. BC Grade 12 (or equivalent)
2. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years), or Level 5 on the composition section of the Language Proficiency Index (within the last 2 years), or completion of ENGL 0600 or ESAL 0570 and 0580 with a grade of C+ or better is required to enter ENGL 1100
3. English 12/English 12 First Peoples with a minimum of 80% (within the last 5 years), or Level 5 on the composition section of the Language Proficiency Index (within the last 2 years) or ENGL 1100 required to enter ENGL 1110, 1120, 1140, 1150

Graduation Requirements

Pre-requisites:

1. Six credits of English 1100, 1110, 1120, 1140, or 1210
2. Nine credits of second year literature courses:
3. ENGL 2110 (required)
4. Six credits of second year English electives:
   ENGL 2120 (recommended), ENGL 2040; ENGL 2140; ENGL 2150; ENGL 2160; ENGL 2170; ENGL 2180; ENGL 2190; ENGL 2200; ENGL 2210; ENGL 2240; ENGL 2250; ENGL 2260; ENGL 2270; ENGL 2400; or ENGL 2410

Requirements:

A minimum of thirty credits numbered ENGL3000 and above must be taken. The 30 credits must include the following:

At least three credits in each of three centuries prior to 1900 (nine credits total).

At least six credits in theory, language, gender, or genre.

At least six credits in Twentieth Century and Twenty-First Century Canadian, American, Postcolonial or British literature.

Students are permitted to take, toward the 30 credits of the English major, 3 credits from the following list of courses: Phil. 3740, Phil. 3750, Theatre 3260, Theatre 3270, Canadian Studies 3120, and Journalism 4310.

3000 and 4000 English Courses	
ENGL 3080	Advanced Composition 1 – Personal Expression
ENGL 3090	Advanced Composition2 – Writing in the Disciplines
ENGL 3130	European Literature in Translation
ENGL 3140	Studies in Fiction
ENGL 3150	Studies in Non-Fiction
ENGL 3160	Studies in Literature and the Other Arts
ENGL 3170	Science Fiction
ENGL 3180	Children's Literature
ENGL 3190	Studies in the Intellectual Backgrounds of Literature
ENGL 3200	History of the English Language
ENGL 3260	Quebec Literature in Translation
ENGL 3270	Structure of Modern English I

ENGL 3280	Structure of Modern English II
ENGL 3300	Reading Literature and Literary Theory: Advanced Skills
ENGL 3310	Forms and Metres in English Poetry
ENGL 3320	Modern Critical Theories
ENGL 3330	Special Topics in Creative Writing
ENGL 3340	Writing Speculative Fiction
ENGL 3350	Studies in Major Authors
ENGL 3360	Advances Short Fiction Writing
ENGL 3370	Novel Writing
ENGL 3380	Advance Poetry Writing
ENGL 3390	Advance Drama Writing
ENGL 3550	Chaucer
ENGL 3650	Shakespeare
ENGL 3660	Studies in Shakespeare
ENGL 3710	Poetry of the Earlier 17th Century
ENGL 3730	Topics in 17th Century Literature
ENGL 3740	Milton's Paradise Lost
ENGL 3750	Milton
ENGL 3810	Poetry of the Age of Dryden and Pope
ENGL 3820	Poetry of the Middle and Late 18th Century
ENGL 3840	The English Novel in the 18th Century
ENGL 3850	Restoration and Early 18th Century Literature
ENGL 3860	Mid and Late 18th Century Literature
ENGL 3890	Studies in 18th Century Thought and Literature
ENGL 3910	Romantic Poetry
ENGL 3940	The Victorian Novel
ENGL 4000	Early Modern British Literature
ENGL 4040	The Modern British Novel
ENGL 4130	Contemporary British Drama
ENGL 4140	The Contemporary British Novel
ENGL 4150	Studies in Women's Literature
ENGL 4160	Topics in Modern Irish Literature
ENGL 4200	Classics of Canadian Fiction
ENGL 4240	19th Century Canadian Literature
ENGL 4250	Contemporary Canadian Poetry
ENGL 4260	Studies in Canadian Literature
ENGL 4340	American Fiction to 1900
ENGL 4350	American Fiction in the First Half of the 20th Century
ENGL 4360	Studies in American Literature
ENGL 4370	American Fiction from Mid-20th Century to the Present
ENGL 4440	Postcolonial Women's Literature
ENGL 4450	Commonwealth/Postcolonial Literature
ENGL 4460	Studies in Commonwealth/Postcolonial Literature
ENGL 4470	Studies in Aboriginal Literature (North America)
ENGL 4510	Studies in Literary Moments
ENGL 4600	American Poetry to the First Half of the 20th Century
ENGL 4610	American Poetry from the Mid-20th Century to the Present
ENGL 4760	Editing and Publishing
ENGL 4780	Studies in Literature and Film
ENGL 4790	Studies in Genre

Academic Advising

Students are encouraged to see an advisor in their second year of study or earlier. Details about making an appointment with an English Advisor will be posted on the English Department website and the English Department bulletin board outside the Arts Office in the Arts and Education building. Whenever possible, a faculty advisor will act as a "mentor" from the time you enter the program until you graduate. The BA Advisor should also be consulted.

Program Contact

BA Advisor
baadvising@tru.ca
250.371.5566
English Advisor
250.371.5521
Department of English and Modern Languages Chair
gjohnson@tru.ca
250.371.5556

Major Program in Geography and Environmental Studies

The Geography and Environmental Studies Major Program at TRU has strong teaching and research expertise in sustainable urban and rural landscapes, Japan and the Americas, environmental geography, economic geography, hydrology, climatology / meteorology, geomorphology, and emerging geomatic technologies and methods, including Geographical Information Systems (GIS). Those interested in a career or further study in education, urban and community planning, environmental consulting, policy development, environmental law, water resources research, global warming, mine reclamation, environmental impact assessment, GIS applications, and earth science, including hydrology, meteorology and geomorphology, should strongly consider completing a Geography and Environmental Studies program.

Students will have the opportunity to:

- Participate in the Geography Co-op program
- Participate in a variety of field courses
- Pursue the Masters in Environmental Science (MSC) Program
- Work with knowledgeable, experienced and friendly faculty
- Participate in research at the undergraduate level
- Be hired and respected regionally, provincially, across Canada, and internationally

Admission Requirements

Students usually declare their Major before the start of their third year of courses. All candidates are assigned a Major Program Advisor and they must meet to ensure that they qualify and so that an appropriate selection of courses can take place.

Before students can declare their Major they must have met the admission requirements for the BA. As well, they must have successfully completed no fewer than 21 credits in lower-level Geography courses, either at TRU or at other accredited institutions. Admission into the Geography and Environmental Studies Major – Honours program option requires completion of the lower level requirements with a minimum Grade Point Average (GPA) of 3.00

Graduation Requirements

Students must normally declare their Geography major before entering the third year of the B.A. Program. All candidates must meet with the Major Program Advisor in Geography and Environmental Studies to plan their course selection and to ensure that all B.A. degree requirements will be met. There are three program options associated with the B.A. Geography and Environmental Studies:

1. Geography and Environmental Studies Major
2. Geography and Environmental Studies – Physical Geography Major
3. Geography and Environmental Studies Honours

Lower Level – Common to all three Major program options	
GEOG 1010 or GEOG 1110	Introducing Human Geography: People, Places, and Landscapes World Regional Geography
GEOG 1000	Planet Earth: An Introduction to Earth System Science
GEOG 2020 or GEOG 2050	Weather, Climate and Global Environmental Change Introduction to Hydrology
GEOG 2400	Geographic Thought
GEOG 2700	Introduction to Geographic Analysis
GEOG 2740	Geodesy and the Visualization of Geographic Data
GEOG 1100 or GEOG 2110 or GEOG 2120 or GEOG 2220 or GEOG 2230 or any of the following not used to meet requirement above GEOG 1010 GEOG 1110 GEOG 2020 GEOG 2050	Environmental Studies: Human Interaction with the Natural Environment Geography of the Economic Landscape Geography of Urban and Regional Planning Regional Geography of Canada Regional Geography of British Columbia and Yukon Introducing Human Geography: People, Places and Landscapes World Regional Geography Weather, Climate and Global Environmental Change Introduction to Hydrology
Upper Level	
Geography and Environmental Studies Major Program Option	
Thirty (30) 3000 or 4000 level GEOG credits are required with at least three (3) credits from the 4000 level. Of the thirty (30) credits at least three (3) distinct credits must be chosen from each of the four (4) course groups (Groups A,B,C, and D) listed in the Course Table below. The remaining eighteen (18) upper-level GEOG credits may be selected from any of the four (4) course groups (A,B,C or D) or combination thereof, or from GEOG 3990, GEOG 4990, or GEOG 4480.	
Geography and Environmental Studies – Physical Geography Major Program Option	
Thirty (30) 3000 or 4000 level GEOG credits are required with at least three (3) credits from the 4000 level. Of the thirty (30) credits at least fifteen (15) credits must be chosen from Group C: Physical Geography and three (3) distinct credits from each of the other three (3) course groups (Groups A,B, and D) from the Table below. The six (6) upper-level elective (each of the four (4) course groups (Groups A,B,C, and D) listed in the Table below. The remaining eighteen (18) upper-level GEOG credits may be selected from any of the four (4) course groups (A,B,C or D) or from GEOG 3990, GEOG 4990, or GEOG 4480.	
Geography and Environmental Studies Honours Major Program Option	
Forty-two (42) 3000 or 4000 level GEOG courses from which at least three (3) distinct credits must be chosen from each of the four (4) course groups (Groups A, B, C, and D) listed in the Course Table below. At least nine (9) of the forty-two (42) credits must be chosen from any of the 4000 level GEOG course listed in the Course Table (any course group) or GEOG 4990 or GEOG 4480. The remaining twenty-one (21) upper-level GEOG courses may be selected from any of the four (4) course groups (A, B, C, or D) or combination thereof, or from GEOG 3990. Students must obtain a Grade Point Average of 3.00 in the forty-two (42) upper-level credits and must not obtain a grade below B- (2.67) in any three (3) of the forty-two (42) credits. Students will be permitted to re-take a course once in order to meet the grade requirement. Admission into the Honours program requires completions of the lower level requirements with a minimum Grade Point Average (G.P.A.) of 3.00.	
Upper Level Courses	
Group A – Environmental Studies	
ENVS 3991	Environmental Studies: Sustainability
GEOG 3100	Environment and Resources
GEOG 3650	Geography of Consumption
GEOG 3991	Global Climate Change and Regional Impacts
GEOG 4230	Attitudes Towards the Environment
GEOG 4510	Sustainable Rural Systems
GEOG 4800	Environmental Issues and Policies
Group B – Human Geography	
GEOG 3200	Introduction to Cultural Geography
GEOG 3210	Historical Geography of Urbanization
GEOG 3230	Geographies of Gender
GEOG 3270	Historical Geography of Canada I: Canada before 1850
GEOG 3280	Historical Geography of Canada II: Canada after 1850
GEOG 3500	Introduction to Urban Geography
GEOG 3510	Rural Geography
GEOG 3550	Geography of the Urban-Rural Fringe
GEOG 3570	Introduction to Social and Behavioural Geography
GEOG 3610	Themes in Economic Geography
GEOG 3900	Geography of a Selected Region
GEOG 4240	Geography of Tourism
GEOG 4500	Urban Analysis
GEOG 4800	Environmental Issues and Policies
GEOG 4810	Geography of Small Cities
GEOG 4840	Postcolonial Geographies
GEOG 4850	Geography of First Nations Issues in British Columbia
Group C – Physical Geography	
GEOG 3040	Environmental Climatology and Meteorology
GEOG 3050	Physical Hydrology
GEOG 3060	Groundwater Hydrology
GEOG 3070	Biogeography
GEOG 3080	Geomorphology
GEOG 3129	Geography of Natural Hazards
GEOG 4050	Fluvial Geomorphology
GEOG 4060	Advances in Hydrology
GEOG 4820	Urban Biophysical Environments
Group D – Geographical Methods	
GEOG 3700	Field Methods in Geography
GEOG 3750	Applications of Geographical Information Systems
GEOG 3770	GIS for Water Resources Systems Analysis
GEOG 4740	Spatiotemporal Analysis
GEOG 4750	Advances in Geomatics

Program Contact

BA Advisor

baadvising@tru.ca
250.371.5566

Geography and Environmental Studies Secretary
250.828.5116

Chair of Geography and Environmental Studies
250.828.5235

Further information can be found at www.tru.ca/arts/geography.

Major Program in History

History is the study of the past. It is not, however, simply about memorizing a timeline or learning a set of facts. Our understanding of history is constantly changing as new perspectives, interpretations, and evidence are brought forth. History, then, is a dynamic field that is enriched by ongoing debates about all aspects of the past. History is the most universal of the humanities, encompassing the study of

everything from politics, gender, and society to technology, economics, and war.

History offers students the opportunity to develop skills that are invaluable in all fields of endeavor. In History, students will develop and strengthen their capacity for critical thinking. They will learn how to define complex problems, conduct research, classify extensive data, and construct effective arguments. They will sharpen their oral and written communication skills, and analyze issues that are relevant to contemporary concerns. Students of History will not only gain intellectual fulfillment, but a range of concrete skills that are eagerly sought by employers.

Admission Requirements

Students usually declare their Major before the start of their third year of courses. All candidates must meet with Major Program Advisor who will assist with course selection and ensure that requirements are met.

Before students can declare their Major they must have met the admission requirements for the BA. As well, they must have successfully completed no fewer than 9 credits in lower-level History courses, either at TRU or at other accredited institutions.

Graduation Requirements

3rd and 4th Year

1. Students must take 33 credits in History courses numbered between 3000 and 4990, including History 3000 and cross-listed courses from other disciplines.

   The Historian's Craft (HIST 3000) (HUM/SS) (3,0,0) 3 credits

   This course examines the practice of history, and the development of historical inquiry. Mandatory for students taking the History Major.

   Prerequisites: Students must have no fewer than 6 credits in recognized lower level History courses and be a declared History Majors student.

2. Entrance to any 4000-level course requires no fewer than three credits in 3000- level History courses.
3. All History Major students must take History 3000: The Historian's Craft in their third year.
4. Of the thirty-three credits required of the Major in History, at least nine but no more than fifteen upper-level credits must come from one of the geographic fields (i.e.: British, European, American, and Canadian).
5. Of the thirty-three credits required of the Major in History, at least three upper-level credits must come from courses in each geographic field (i.e.: British, European, American, and Canadian).
6. Of the thirty-three credits required of the Major in History, at least nine must be taken at the 4000-level.
7. Of the forty-five lower-level and upper-level credits in History required of History Major students, no fewer than six must be from Canadian History.
8. Credit toward the History Major is also given for successful completion of Philosophy 4190.

Program Contact

BA Advisor
baadvising@tru.ca
250.371.5566
History Advisor
250.828.5116

Chair of Philosophy, History & Politics
250.377.6024

History Coordinator
250.828.5329

Major Program in Mathematics

Mathematics is the science of patterns. With ancient roots in arithmetic and geometry, two of the seven liberal arts, mathematics has evolved into a complex language that goes far beyond calculation. It may be studied for its own beauty and aesthetics or for its applications to areas such as physical and life sciences, finance and economics, computing and information theory, social sciences, and fine arts. Mathematics has been described as the study of: quantity (arithmetic, number theory, statistics), space (geometry, linear algebra, topology), change (calculus, differential and difference equations, analysis), structure (algebra, combinatorics, graph theory logic), and randomness (probability theory, statistics, dynamical systems).

Studying at TRU offers many advantages, including small class sizes and readily accessible instructors. Small class sizes enable our instructors to give students more individual attention than larger universities.

Our department offers a BSc with a major in Mathematics or Mathematical Sciences and a BA with a major in Mathematics. We also provide a wide variety of service courses for other diploma and degree programs offered at TRU.

Admission Requirements

At least C+ in Principles of Math 12 or MATH 1000 within the last two years, or at least C+ in MATH 0610 within the last two years.

In exceptional cases, for example, where a student has transferred from another educational system or has been out of school for several years, entry into MATH 1140 may be permitted based on a placement test administered (for these exceptional cases only) by the Department of Mathematics and Statistics during the first week of classes.

Please contact the Bachelor of Arts Academic Advisor BAAdvising@tru.ca for further information on admission requirements for the BA Major in Mathematics.

Program Requirements

First Year	Credits
MATH 1130/1230 or 1140/1240	6
MATH 1700*	3
ENGL 1100 and 1110 or 1110 and 1210	6
Language, if necessary	6
COMP 1130	3
Electives [3]	6
* MATH 1380/1390 or COMP 1380/1390 may be substituted for MATH 1700	
Second Year	Credits
MATH 2700	3
MATH 2110	3
MATH 2120	3
MATH 2200*	0 – 3
ENGL (2000 level)	3
STAT 2000	3
Electives [3]	12 – 15
* Math 2200 can be delayed to the third year.	
Third and Fourth Year	Credits
MATH (3000 or 4000 level)[4]	21
MATH, STAT or COMP (3000 or 4000 level)[5]	9
Electives	30
Students must also meet the general requirements of the B.A. degree.	

Recommendations:

1. Students interested in teaching are advised to take Math 3080 and 3120.
2. Students interested in Economics should consult an advisor in the Economics Department for appropriate combination of Math and Economics courses. Students may also wish to consider the BA Joint Major in Mathematics and Economics.
3. Students interested in pursuing Computing Science 3000 or 4000 level courses must complete COMP 1130, 1230, 2130, and 2230.
4. At least one of Math 3070 or Math 3220, and at least one of Math 3000 or Math 3200, must be included.
5. No more than 6 of these 9 credits may be in Computing Science.
6. Honours program in Mathematics requires all of: Math 3000, 3070, 3200, and 3220 plus Math 4950.

Program Contact

BA Advisor
BAAdvising@tru.ca
250.371.5566
Program Chair
250.828.5215

Major Program in Mathematics and Economics

This program is designed for students who are interested in the interactions between mathematics and economics. The major provides a high quality education and develops within students a wide variety of skills and abilities. These include critical thinking on economic issues using quantitative techniques, analysis of domestic and international socioeconomic problems, developing applied research skills, and decision-making skills.

Program Requirements

First and Second Year Course Requirements	
MATH 1130 MATH 1230 Or MATH 1140 MATH 1240	Enriched Calculus I Enriched Calculus II or Calculus I Calculus II
ECON 1900	Principles of Microeconomics
ECON 1950	Principles of Macroeconomics
MATH 2110	Calculus III
MATH 2120	Linear Algebra 1
MATH 2240	Differential Equations
MATH 2700	Discrete Mathematics 2
BUEC 2320 Or STAT 2000	Economic and Business Statistics Or Introduction to Statistics
ECON 2900	Intermediate Microeconomics
ECON 2950	Intermediate Macroeconomics
Third and Fourth Year ECON/BUEC Course Requirements	
ECON 3200	Introduction to Mathematical Economics
ECON 3900	Intermediate Microeconomics 2
ECON 3950	Intermediate Macroeconomics 2
ECON 4320	Econometrics
BUEC 4330	Forecasting in Business and Economics

Depending on student's interests and qualifications, one the following streams must be chosen:

Third and Fourth Year Courses for the Mathematics Stream	
STAT 3060	Applied Regression Analysis
MATH 3160	Differential Equations
MATH 3400	Introduction to Linear Programming
MATH 4410	Modelling of Discrete Optimization Problems
MATH ELECTIVE	(an additional 3000 or 4000-level MATH course
Third and Fourth Year Courses for the Statistics Stream	
MATH 3020	Introduction to Probability
MATH 3030	Introduction to Stochastic Processes
MATH 3050	Introduction to Statistical Interference
MATH 3060	Applied Regression Analysis
MATH 4040	Analysis of Variance

Alternatively, students may select the General Stream and take 5 (FIVE) out of the 9 (NINE) following courses:

Note: If the General Stream is chosen, STAT 3060 will be a compulsory course to satisfy prerequisites. Students need to choose four (4) more courses from the General Stream section, other than STAT 3060.

Third and Fourth Year Courses for the General Stream	
MATH 3020	Introduction to Probability
MATH 3030	Introduction to Stochastic Processes
MATH 3050	Introduction to Statistical Interference
MATH 3060	Applied Regression Analysis
MATH 3160	Differential Equations
MATH 3400	Introduction to Linear Programming
STAT 4040	Analysis of Variance
MATH 4410	Modelling of Discrete Optimization Problems
MATH ELECTIVE	(an additional 3000 or 4000-level MATH course

Program Contact
Chair of Mathematics
250.828.5215

Chair of Economics
250.371.5732

Major Program in Philosophy

Philosophy is both a study of questions and thinkers and a methodology. Philosophical questions are sometimes called the "Big Questions" because they deal with the most fundamental ways in which humanity connects with, and understands the world, and itself. These questions deal with ethics, knowledge, reality, beauty, existence, and more. Too, doing philosophy is something that requires training. Asking and answering these sorts of questions requires using reason, logic, and other argumentative and judicious skills. The philosophical exploration of the Big Questions produces a student highly skilled in problem solving, text analysis, writing, deciphering of difficult texts, and unparalleled analytical skills. Couple these skills with the classical and contemporary knowledge gained from some of the foremost thinkers in history and you have a commanding degree.

The Philosophy department at TRU offers a program of study that is well balanced between the traditional major covering all of the mainstays of classical to modern thought and the cutting edge philosophy that is emerging from new and evolving ideas. At the same time that our Major in Philosophy satisfies those students looking to study further in the discipline, it also interests those students with special interests looking for innovative courses. At TRU you can study Plato, Nietzsche, Locke, Descartes, and Quine, as well as topics such as Ethics and the Holocaust, Philosophy of Humour, Philosophy of Science, and Philosophy of Rock Music.

Admission Requirements
Although students normally declare their Major before the start of their third year of courses, some first-year and second-year courses are required. All students interested in declaring a Philosophy Major should meet with the Philosophy Major Advisor or the Philosophy Coordinator to ensure that they meet the lower-level (first and second year) requirements and to select the appropriate courses.

Before students can declare a Major in Philosophy, they must have met the admission requirements for the BA, as well as the following:

Lower-level Philosophy Requirements (15 Credits, 5 courses)

1. One of: PHIL 1010, PHIL 1020, PHIL 1100 (Introduction to Philosophy)
2. One of: PHIL 2010 or PHIL 2210 (Ethics)
3. One of: PHIL 2140 or PHIL 2150 (Epistemology and Metaphysics)
4. PHIL 2220 (Elementary Formal Logic)
5. PHIL 2100 (Ancient Philosophy)

Upper-level Philosophy Requirements (30 Credits, 10 Courses)

1. PHIL 3010 - Ethics
2. One of: PHIL 3140 (The Rationalists) or PHIL 3150 (The Empiricists)
3. One of: PHIL 3100 (Ancient Philosophy) or PHIL 4100 (Topics in Ancient Philosophy)
4. One of: PHIL 3160 (Modern European Philosophy) or PHIL 3170 (Topics in Continental Philosophy)
5. One of: PHIL 3500 (Metaphysics) or PHIL 3600 (Epistemology)
6. 5 upper-level philosophy electives (15 credits) from the remaining 3000 and 4000 level Philosophy courses.
7. Of the 15 credits of upper-level Philosophy elective course credits up to 6 credits (two courses) may come from the following non-Philosophy courses: ENGL 3070, ENGL 3100, ENGL 3190, ENGL 322, HIST 3520, POLI 3420, POLI 3440, POLI 3460, SOCI 3200. Students wanting to go to Graduate School in Philosophy should take all 15 credits of electives in Philosophy courses.

Program Contact
BA Advisor BAAdvising@tru.ca
250.371.5566

Philosophy Coordinator
250.828.5495

Chair of Philosophy, History and Politics
250.377.6024

Major Program in Political and Economic Studies

See Major Program in Economic and Political Studies.

Major Program in Psychology

Psychology is the scientific study of thoughts, feelings, actions, perceptions, physiological and neurological responses, and other behaviours in animals and humans. As both a scientific discipline and a profession, psychology relates to virtually every aspect of people's lives. Through research, psychology plays an important role in understanding and predicting human behaviour. Through clinical practice, psychology strives to help people to live more productive and fulfilling lives.

The Psychology Department at TRU offers a variety of courses and the option of obtaining a Major, Minor or Honours in Psychology as part of the Bachelor of Arts degree.

Admission Requirements
Admission to the Psychology major requires completion of Psychology 1110, 1210, 2100, and 2110 as well as admission to the BA program. The decision to major in Psychology must be made before the completion of 60 credits but not before completion of 30 credits.

Students intending to major in psychology must see both a Psychology Major Advisor and a BA Program Advisor. The Major Advisor will assist each student in selecting courses that will satisfy the Major program

requirements. The BA Advisor will then ensure that all additional BA degree requirements are met.

Graduation Requirements

First and Second Years
In your first and second years at TRU, you must meet the admission requirements for the BA degree, as outlined above. In addition, you must take the following Psychology courses:

Year 1	
PSYC 1110	Introduction to Psychology I
PSYC 1210	Introduction to Psychology II
Year 2	
PSYC 2100	Analysis of Psychological Data
PSYC 2110	Introduction to Research Methods in Psychology

Third and Fourth Years
You will need to take 30 (and no more than 42) Psychology course credits at the third and fourth year level.

Years 3 and 4	
In third year, the following course is required of all students in the Major program.	
PSYC 3190	Experimental Design and Quantitative Methods
In addition, you must take 24 (and no more than 36) credits in Psychology, distributed as follows. (including at least 6 credits from:	
PSYC 3000	Behaviour Disorders
PSYC 3020	Infancy
PSYC 3030	Tests & Measurements I
PSYC 3080	Social Psychology
PSYC 3100	Clinical Psychology
PSYC 3110	Clinical Psychology: Theories and Systems of Psychotherapy
PSYC 3140	Health Psychology
PSYC 3150	Childhood & Adolescence
PSYC 3200	Theories of Personality 1
PSYC 3210	Theories of Personality 2
PSYC 3220	Adulthood and Aging
PSYC 3240	History and Systems of Psychology
PSYC 3250	Community Psychology
PSYC 3360	Psychology of Language I
PSYC 3370	Psychology of Language II
PSYC 3380	Psychology of Emotion
PSYC 3400	Introduction to Psychology and Law
PSYC 3410	Forensic Psychology
At least 6 credits from:	
PSYC 3060	Principles of Animal Behaviour
PSYC 3230	Principles of Conditioning
PSYC 3390	Human Neuropsychology
PSYC 3510	Sensation and Perception 1
PSYC 3520	Sensation and Perception 2
PSYC 3540	Cognition 1
PSYC 3550	Cognition 2
PSYC 3560	Psychopharmacology
PSYC 3570	Physiology of Motivation and Emotion
PSYC 3580	Physiology of Learning and Memory
Remember that only a selection of third and fourth year courses listed in the Calendar will be offered in any given academic year. Some courses will be rotated to ensure that a sufficient selection of courses is available over a two year period to meet students' needs for their degree.	

Honours Program in Psychology

An Honours program provides an opportunity for academically successful and motivated students to develop their research, writing, and analytical skills. Completion of an Honours program will strengthen a student's application to graduate schools. This program is suitable for students wishing to pursue graduate or professional schools.

Students must receive a 'B' average in Psychology 1110, 1210, 2100 and 2110 to enter an Honours program at the third year level. Students must maintain a Grade Point Average of 3.0 in their 3rd and 4th year courses with no psychology course below a 'B-', and obtain a minimum of a 'B' grade in Psychology 3190 to remain in an Honours Program. (A 'B' grade in Psychology 3190 is a prerequisite for enrolment in the Honours Thesis course.) Students who do not meet the above requirements may write an appeal to the Psychology Department Chair, who will present the appeal to the Curriculum Committee.

In addition to the requirements for a major, an Honours degree requires a completion of 126 credits, of which a minimum of 54 credits must be at the upper level (3000 and 4000 level courses), including successful completion of an Honours Thesis (PSYC 4990). A minimum of 36 credits in upper level Psychology must be completed (including the Honours Thesis).

Program Contact

BA Advisor
BAAdvising@tru.ca
250.371.5566
Psychology Secretary
250.828.5116
Psychology Chair
250.828.5234

Major Program in Sociology

Sociology, the study of human society, is a broadly based liberal arts and research discipline - one of the most diversified, interesting, and practical disciplines there is (we think!). Sociologists are devoted to the study of social groups and processes, using applied logic in combination with empirical research to ascertain "what is" and "what can be". We believe that it is the task of sociologists to conduct critical public debate about social institutions. We seek to contribute to that debate and equip our students with the skills to do so too.

Our Sociology major will give you extensive knowledge of the key social factors affecting human behaviour and also develop your skills in designing and evaluating research.

Admission Requirements

Students usually declare their Major before the start of their third year of courses. All candidates are assigned a Major Program Advisor and they must meet to ensure that they qualify and so that an appropriate selection of courses can take place.

Before students can declare their Major they must have met the admission requirements for the BA.

Admission to the major requires completion of SOCI 1110 and 1210 and two 2000-level Sociology courses, of which three of the four Sociology courses must receive Grade C+ or above.

Course Requirements

Year 1	
SOCI 1110	Introduction to Sociology 1
SOCI 1210	Introduction to Sociology 2
Year 2	
SOCI 2710 Or STAT 1200 Or PSYC 2100	Introduction to Social Statistics
SOCI 2720	Introductory Research Methods
One of:	
SOCI 2010	Race and Ethnic Relations
SOCI 2100	Canadian Social Issues
SOCI 2130	Women in Comparative Perspective
SOCI 2160	The Family in Cross-Cultural Perspective
SOCI 2170	Sociology of Popular Culture
SOCI 2230	Collective Behaviour
SOCI 2260	Medical Sociology
SOCI 2270	Selected Topics in Sociology
SOCI 2500	Crime and Society
SOCI 2590	Deviance and Control
SOCI 2620	Sociology of the Environment

Year 3 and 4	
SOCI 3200	Classical Social Theory *plus*
SOCI 3210	Feminist Social Theory *or*
SOCI 3220	Contemporary Issues in Social Theory
SOCI 3800	Introduction to Social Survey Design and Analysis *or*
SOCI 3820	Socio-Ethnographic Research Methods in Sociology
Seven 3000-4000 level Sociology courses from:	
SOCI 3100	Canadian Society
SOCI 3120	Gender Relations
SOCI 3160	Sexuality
SOCI 3520	Organization of Work
SOCI 3600	Sociology of Natural Resources
SOCI 3610	Social Inequality
SOCI 3620	Special Topics in Social Problems
SOCI 3680	Deviance and Social Control
SOCI 3990	Sociology of Diversity: Issues for Canadians
SOCI 4030	Ethnography of Special Areas – Field School in East/Central Europe
SOCI 4130	Family and Kinship
SOCI 4210	The Social Construction of Knowledge and Freedom
SOCI 4200	Complex Organizations
SOCI 4600	Globalization
SOCI 4620	Social Change
SOCI 4640	Social Movements
SOCI 4660	Socialization and Education
SOCI 4700	Sociology of Crime and Justice
SOCI 4730	Global Social Change
SOCI 4750	Contemporary Social Movements
SDCI 4810	Directed Studies in Sociology
SOCI 4840	Sociology of Health and Illness
ANTH 3030	Ethnography of Special Areas: Central and Eastern Europe
ANTH 4150	Religion and Society
Admission to the major requires completion of SOCI 1110 and 1210 two 2000-level Sociology courses, of which three of the four Sociology courses must receive Grade C+ or above.	

Program Contact

BA Advisor
baadvising@tru.ca
250.371.5566
Sociology Advisor
250.371.5562

Sociology Chair
250.371.5562

Major Program in Theatre

Studying at TRU

The Theatre program offers a variety of undergraduate courses designed for both the theatre specialist and the generalist. Providing training for over 25 years, the Theatre Major is the only program outside the Lower Mainland and Vancouver Island region offering a full range of university-level theatre courses.

The TRU Actors Workshop Theatre is the live stage element of TRU's Visual & Performing Arts Department. Students enrolled in various acting and technical theatre courses have the opportunity to participate in several major productions each year, and may acquire credit through their performance and participation.

The Theatre program is committed to student artistic development. Dedicated Theatre students are eligible for several monetary awards at both junior and senior levels of study to encourage and reward technical and acting excellence. For more information on awards and bursaries, please contact the Financial Aid and Awards Office.

Admission Requirements

Students normally enter the Theatre Major Program in their third year of studies. Before entering the program, students are required to meet the Theatre Coordinator and Program Advisor.

Graduation Requirements

Students must complete all of the requirements for the Bachelor of Arts degree. Students must complete a minimum of 54 credits in Theatre Arts courses, of which a minimum of 30 credits must be at the 3rd and 4th year level. At least six credits must be at the 4th year level.

Year 1 and 2 Course Requirements	
THTR 1100	Introduction to Theatre
THTR 1200	Introduction to Theatre 2
THTR 1110	Introduction to Acting
THTR 1210	Introduction to Acting 2
THTR 2110	Acting and Character Portrayal
THTR 2210	Acting and Character Portrayal 2
THTR 2120	Introduction to Technical Theatre
THTR 2220	Introduction to Technical Theatre 2

Program Contact

BA Advisor
BAAdvising@tru.ca
250.371.5566
Chair, Visual and Performing Arts
250.377.6136

Minor Programs

(only available in conjunction with a Major)

Major programs may be combined with a Minor in the following academic disciplines: Aboriginal Studies, Creative Writing, Economics, Environmental Economics and Sustainable Development, English, Visual Arts, Geoarchaeology, Geography, History, Management, Math, Philosophy, Political Studies, Psychology, Sociology, Theatre. For a Minor, a student must include in the 120 credits required for the degree at least 30 credits and no more than 42 credits in his or her Minor area. At least 18 of these credits must be at the 3000-4000 level. Unless otherwise specified, the credit requirements mentioned above are all that is necessary to complete a Minor in any discipline in conjunction with a Major. However, some disciplines have their own specific requirements for a Minor in their area. Please consult the B.A. Advisor (mailto:BAAdvising@tru.ca) if you intend to complete a Minor. Listed below are the special requirements for individual Minor programs in Arts disciplines at TRU.

Minor in Archaeology and Geology (interdisciplinary):
3 credits in first or second year Archaeology; 9 credits in third and fourth year Archaeology; and GEOL 1110 or GEOG 1120; and GEOL 2050 or BIOL 1210; and GEOL 2290; and 9 credits in third or fourth year Geology (GEOL 3010, GEOL 3190, GEOL 4250, GEOL 4480).

Minor in Creative Writing:
6 Credits of ENGL 1100, ENGL 1110, ENGL 1120, ENGL 1140, ENGL 1150 is strongly recommended;

Second-year English credits from the following list: ENGL 2060, ENGL 2070, ENGL 2080;

18 upper-level credits as follows:

Students must take at least 4 of the following core courses: ENGL 3330, ENGL 3340, ENGL 3360, ENGL 3370, ENGL 3380, ENGL 3390

Students must take at least one course from the following list: ENGL 3130,ENGL 3140,ENGL 3150,ENGL 3160,ENGL 3170 ,ENGL 3180 ,ENGL 3190,ENGL 3260 ,ENGL 3300,ENGL 3310 ,ENGL 3320 ,ENGL 3350,ENGL 3550, ENGL 3650 ,ENGL 3660 ,ENGL 3710 ,ENGL 3730 ,ENGL 3740 ,ENGL 3810 ,ENGL 3820 ,ENGL 3850 ,ENGL 3860 ,ENGL 3890 ,ENGL 3940 ,ENGL 4000 ,ENGL 4040 ,ENGL 4130 ,ENGL 4140 ,ENGL 4150 ,ENGL 4160 ,ENGL 4240 ,ENGL 4250 ,ENGL 4260 ,ENGL 4340 ,ENGL 4350 ,ENGL 4360 ,ENGL 4370 ,ENGL 4440 ,ENGL 4450 ,ENGL 4460 ,ENGL 4470 ,ENGL 4510 ,ENGL 4600 ,ENGL 4610 ,ENGL 4780 ,ENGL 4790

Students may take one course from the following list: CMNS/ENGL 3080, JOUR 4210, JOUR 4310, JOUR 4590

Minor in Economics:

30-45 credits in Economics (ECON and BUEC), including ECON 1900, ECON 1950, and a minimum of 18 credits in 3000 and 4000 level Economics (ECON and BUEC).

Minor in English:

6 credits of ENGL 1100, 1110, 1120, 1140, 0r 1210; 6 credits of second-year literature courses:

ENGL 2110(required)

3 credits from the following list: ENGL 2040, 2120, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2240, 2250, 2260, 2270, 2400, 2410.

At least 18 credits of 3000- and 4000-level English courses and no more than 3 of the 18 credits can be chosen from the following list: 3080, 3200, 3270-3280, 3330, 3340, 3360, 3370, 3380, 3390.

Minor in Environmental Economics and Sustainable Development:

The Minor in Environmental Economics and Sustainable Development requires the completion of 12 credits of upper level courses from this list: ECON 3410, ECON 3690, ECON 3700, ECON 3710, ECON 3990*, ECON 3730, ECON 3740, ECON 4720, ECON 4990*.

*Note: ECON 3990 and 4990 can be used only if special topics covered are related to the minor. The chairs/program advisor with consultation will make this decision.

Minor in Geography and Environmental Studies:

Three (3) credits from 1000 level Human Geography courses – GEOG 1010 and GEOG 1110; three (3) credits from 1000 level Physical Geography – GEOG 1000, six additional credits from 1000 and 2000 level GEOG courses, and eighteen (18) 3000 or 4000 level GEOG credits. Minor in History: 12 credits of 1000 and 2000 level History, and an additional 18 credits in 3000 and 4000 level History courses.

Minor in Management:

One of Math 1070, 1100, 1140, 1380, or 1170. Plus one of STAT 1200, STAT 2000, PSYC 2100, SOCI 2710, ECON 2320, or BIOL 3000. Plus ORGB 2810, ACCT 2210, FNCE 2120, MKTG 2430, HRMN 2820. Plus 9 additional credits in 3000 and 4000 level business courses.

Minor in Mathematics:

12 credits at the 1000 and 2000 level Mathematics, and an additional 18 credits at the 3000 and 4000 level Mathematics.

Minor in Philosophy:

12 credits of 1000 and 2000 level Philosophy, and an additional 18 credits in 3000 and 4000 level Philosophy.

Minor in Political Studies:

Political Studies 1110, 1210, plus 6 credits at the 1000 and 2000 level, and an additional 18 credits in 3000 and 4000 level Political Studies courses.

Minor in Psychology:

Psychology 1110, 1210, 2100, 2110, and an additional 18 credits in 3000 and 4000 level Psychology courses.

Minor in Sociology:

Sociology 1110, 1210, plus 6 credits at the 1000 and 2000 level, and an additional 18 credits in 3000 and 4000 level Sociology.

Minor in Theatre:

A minimum of 36 credits including THTR 1100/1200, THTR 1110/1210, THTR 2110/2210 and 18 credits in 3000 and 4000 level Theatre courses.

Minor in Visual Arts:

A minimum of 36, and a maximum of 42 credits in Visual Arts, including VISA 1010, 1020, 1030 and VISA 1110/1120 and VISA 1210. A minimum of 18 credits at the 3000 and 4000 level in Visual Arts courses.

Double Major Program

It is possible for a student to complete a double Major. However, students should be aware that this option requires careful course planning and will normally involve taking additional courses in order to complete all of the basic BA requirements as well as the specific Major requirements for two subjects. To graduate with a Double Major, a student must include in the 120 credits required for the degree at least 42 credits in each of two disciplines. At least 30 credits in each discipline must be in courses numbered 3000 or above. In addition, six credits must be taken in 3000-4000 level courses in disciplines which do not offer a Major Program (Anthropology, Archaeology, Visual Arts, French, Philosophy, Political Studies, and Theatre). Please consult the BA Advisor BAAdvising@tru.ca if you intend to complete a Double Major.

Bachelor of Fine Arts (Visual Arts) Degree

A four-year undergraduate degree. Graduates receive a BFA degree.

Learning Options

Full-time or part-time study

Students may study full-time or part-time.

On-Campus

The degree is offered on the main campus of TRU in Kamloops.

Program Start Dates

Students may enter the program in the Fall, Winter, or Summer semesters.

Program Overview

The Bachelor of Fine Arts (BFA) degree in Visual Arts is shaped around a core curriculum of Studio and Art History/Theory courses. There is also the option to pursue a program stream in Gallery Studies. The BFA degree encourages an interdisciplinary approach to learning which takes advantage of the many facets of the university community. A student completing the degree may pursue a variety of employment opportunities or further educational studies.

Gallery Studies

Students interested in Gallery Studies are able to take courses in and, if they choose, specialize in this area. Courses such as Gallery Management and Public Art provide the student with an understanding of gallery infrastructures and programming at the local, regional, national, and international levels, as well as the economic structure and impact of Arts communities. Other courses in curating and exhibition installation deal more specifically with the planning and implementing of exhibitions. The TRU Visual Arts Gallery and the Kamloops Art Gallery are potential teaching spaces. Directed Studies in Gallery Studies at the fourth year level allow students to pursue this area in greater depth.

Program Options

The Fine Arts Department also offers the following options:

- Visual Arts Studio Certificate
- Visual Arts Diploma
- Literary and Art History Certificate

Studio and Art History Offerings

The Visual Arts Program is equipped with extensive studios for courses in Ceramics, Drawing, Foundation, Painting, Photography, Printmaking (etching and silkscreen), and Sculpture, as well as Directed Studies. While instruction is offered in each studio area, we encourage students to work across these disciplines as well, particularly in the fourth year Graduating Studies offerings. Courses in these areas, as well as courses in historical, modern and contemporary Art History and Theory make up the core of the BFA.

TRU's Visual Arts facilities also include an Art Gallery for student, faculty and other exhibitions. Students are encouraged to take part in Gallery activities through the submission of work for scheduled exhibitions, and are invited to consider proposing exhibitions for the Gallery as well. The Gallery is also used as a venue for presenting the work of artists from across Canada who come to TRU as part of our Visiting Artist program.

Admission Requirements

Educational Requirements

1. B.C. Grade 12, or equivalent, or mature student status
2. English 12/English 12 First Peoples with a minimum of 73% (written within the last 5 years), or Level 4 on the composition section of the L.P.I. (written within the last 2 years) or completion of ENGL 0600, or completion of ESAL 0570 and ESAL 0580 with C+, or better.

General Requirements

1. Proof of Canadian Citizenship or Permanent Resident status if the applicant is not born in Canada
2. Official transcripts of previous secondary or post-secondary education records

Students wishing to enter this program should seek the advice of an academic advisor and may also wish to consult with the Visual and Performing Arts Coordinator at 250.828.5482 or dkalynka@tru.ca. Academic advisors will be able to help students with an appropriate selection of courses towards completion of the Visual Arts Diploma and Degree programs.

Laddering Credit to other Programs

Credit from the Visual Arts Diploma and Visual Arts Studio Certificate may be applied to the BFA in Visual Arts.

Additional Program Costs

Student fees: estimated at $1000 for two full-time semesters of study Students must also purchase required text books and materials. Lab fees may apply to courses with a lab component.

Please see Admission Fees www.tru.ca/admissions/fees for detailed fee information.

Program Requirements

The BFA degree requires completion of 120 credits (the equivalent of four years of full-time study). The first 60 credits are usually earned by completing the TRU Visual Arts Diploma. The remaining 60 credits are earned by completing a combination of lower and upper level course work in Studio, as well as History and Theory of Art subject areas, within Visual Arts and other academic disciplines.

The BFA degree requires completion of a minimum of 120 credits.

General Educational Requirements: 24 credits

1. 6 credits first year English: (ENGL 1100 and one of ENGL 1110, 1120, 1140 or 1210)
2. 9 credits Humanities and Social Sciences (Minimum of 3 credits in each)
   Humanities: Film Studies, History, Modern Languages, Music, Philosophy, Theatre
   Social Sciences: Anthropology, Canadian Studies, Economics, Geography, Political Science, Psychology, Sociology
3. 3 credits Math or Science
   Recommended course: MATH 1420: Mathematics for Visual Artists
   Math/Science: Astronomy, Biology, Chemistry, Computing Science, Geology, Mathematics, Physics. This requirement may also be met by courses with a lab component, such as Computing Science, Physical Geography, Statistics
4. 6 credits of academic elective: Students must take 6 credits at any level in any approved academic discipline. Students may take up to three of these credits from Visual Arts courses in Art History or Art Theory.

History and Theory of Art (HTA) Requirements: 18 credits

1. 18 credits in HTA; a minimum of 9 credits must be selected from 3000/4000 level
2. Required HTA courses are: VISA 1110, VISA 1120, VISA 4990

Studio Requirements: 78 credits

To complete a BFA degree, students must have:

1. 78 credits of Studio, 39 of which must be at the third and fourth year (3000 and 4000 level). Students intending to complete the BFA must take VISA 4910 (12 credits). Students intending to complete their program of studies in Gallery Studies should take VISA 4920 (12 credits). Gallery Studies require six less credits in third year studio courses but six more credits in third year HTA courses to make up the 39 upper level credit requirements.
2. Required studio courses are: VISA 1010, VISA 1020, VISA 1030, VISA 1210, VISA 1220, VISA 4910
3. 15 credits of first-year studio courses, 24 credits of second-year studio courses, 27 credits of third-year studio courses and 12 credits of fourth-year studio courses

Course Requirements

Below is an example of a typical 4-year program plan

Year 1 (Foundation Year): 30 credits	
Fall Semester	Winter Semester
ENGL 1100	ENGL 1110
VISA 1010	VISA 1020
VISA 1110	VISA 1030
VISA 1210	VISA 1120
Academic Elective	VISA 1220
Year 2: 30 credits	
2nd Year Art History or Theory	3 credits
2nd Year Studio courses	24 credits
Academic Elective or Art History/Theory	3 credits
Year 3: 30 credits	
3rd Year Art History or Theory	3 credits
3rd Year Studio courses in at least two areas	21 credits
Academic Elective	6 credits
Year 4: 30 credits	
3rd Year Studio courses	6 credits
VISA 4910	12 credits
VISA 4990	6 credits
Academic Elective	6 credits
TOTAL PROGRAM REQUIREMENTS	**120 CREDITS**

Students wishing to complete the BFA program should consult the Department Chair, Visual Art Coordinator, or BFA program advisor.

Program Contacts

Chair of Visual & Performing Arts
250.377.6136
Visual Arts Coordinator
250.828.5482

Theatre Coordinator
250.828.5020

Secretary, Visual & Performing Arts
250.371.5580

Bachelor of Interdisciplinary Studies Degree

The Bachelor of Interdisciplinary Studies is a two-year degree program which students generally enter after two years, or 60 credits, of undergraduate study.

Learning Options

Full-time or Part-time Study

On-Campus
The degree is offered on the main campus in Kamloops.

Distance Education

Many third and fourth year courses are available by distance education through the Open Learning Division of TRU.

Program Start Dates

Students may enter the program in the Fall or Winter semester.

Program Overview

The Bachelor of Interdisciplinary Studies program allows students to design their own customized curriculum and:

- Tailor studies to a specific career or post-graduate program. Students applying to professional programs or graduate school can adapt their curriculum to their educational needs.
- Choose from options within the BIS including such streams as pre-architecture, pre-medicine, pre-law, and pre-urban planning.
- Receive credit for relevant workplace learning.
- Build on a diploma or associate degree. Transfer students with two-year diplomas (the equivalent of 60 credits) from other institutions are able to ladder into the BIS degree.
- Explore career options through Co-op Education placements.
- Conduct independent research.
- Work closely with experienced and knowledgeable faculty mentors.

Students who want a more flexible and varied learning experience in their university degree program, and those who are not yet sure of a career path, can complete a wide range of courses during their first two years of study before entering the BIS degree. This allows students to explore their interests, passions and potential career options without having to plan a specific Major within an Arts, Science or Business degree program.

The BIS degree is also designed to build on two-year diplomas and associate degrees offered across British Columbia and throughout Canada, and can normally be completed in four semesters of full-time study.

Directed Studies

These courses, available across a wide range of disciplines, allow students the opportunity to investigate a specific issue or topic within the discipline, in consultation with faculty.

Service Learning

Through faculty supervised service learning opportunities, senior-level students share their knowledge and skills with the community through approved community-based projects.

Research Opportunities

TRU provides opportunities and support for undergraduate students to be involved in research in many disciplines, and graduation from the BIS degree includes the completion of a required Research Project course.

Co-operative Education

Co-operative Education allows students to integrate academic studies with paid periods of relevant experience. Students alternate between periods of on-campus, full-time study, and work terms, which are full-time, paid employment. A Co-operative Education work term is considered a three-credit elective. Each program has different requirements for the elective.

Students must have a cumulative GPA of 2.67 to enter the BA. BIS Co-op Option and must maintain a cumulative GPA of 2.67 throughout the program. Students must have completed 60 credits before beginning Work Term 1.

Visit Career Education for contact information
www.tru.ca/careereducation/students/coop

International Experiences

Study Abroad

TRU offers a range of International Exchange opportunities, and is a member of a large, international Study Abroad program that gives students access to universities around the world. BIS students may want to spend one or more semesters of study at another university.

International Field Schools

TRU offers a number of general and program specific field schools every year. These schools run from two to six weeks in length and offer course credit that can be applied to your degree. Recent field schools include:

- Geography Field School to Japan
- Natural Resource Science Field School to Belize
- Anthropology Field School to Eastern Europe
- Anthropology Field School to the Philippines

Admission Requirements

Successful completion of a two-year (60-credit) diploma from any Association of Canadian Community Colleges member institution with a minimum GPA of 2.5; or completion of an Associate of Arts or an Associate of Science degree with a minimum GPA of 2.5; or completion of 60 university credits with a minimum GPA of 2.5.

Students are required to produce evidence of English language proficiency: a minimum of 73% on the combined English 12 and Government exam (within the last 5 years); or Level 4 on the composition section of the Language Proficiency Index (within the last two years); or completion of ENGL 0600; or completion of ESAL 0570 and 0580 with a grade of C+ or better.

Admission Decisions

Admission priority will be given to those applicants who present above-average grades, a superior admission statement and who, where necessary, interview well.

Interview

Applicants who meet the minimum requirement for entry into the BIS program may be requested to attend an interview with members of the BIS Steering Committee. Students will be notified well in advance of the date, time and location of the interviews, which will be held on campus in Kamloops. In exceptional circumstances, applicants may be offered the opportunity to be interviewed by telephone.

Transfer to TRU

Transferring students with 60 university credits from recognized institutions are able to ladder seamlessly into the TRU BIS Degree. Evaluation of transfer credit is done on an individual basis, except where formal transfer agreements are in place.

Students enrolling in the BIS program and who are returning adult professionals with diplomas and work experience that may be relevant for the degree may access the TRU Prior Learning Assessment and Recognition Policy (PLAR) for assessment of relevant prior workplace learning (TRU Policy ED 2-0). Any PLAR assessment is recognized as TRU credit.

Students may use up to 6 credits of specialized diploma courses to satisfy 6 upper-level credits in a related concentration. This exchange of credit requires the approval of the BIS Coordinator, in consultation with the BIS Steering Committee, and the Chair(s) of the Department(s) in which the concentration discipline(s) are located.

Program Requirements

A student will typically enter the program with:

- 60 credits from a diploma program; a further 60 credits (minimum 48 credits from upper-level undergraduate courses) are required to complete the degree. The minimum requirement for graduation is 120 credits (60 diploma credits + 60 additional academic credits). Some students may require more than 120 credits for graduation.

The upper-level course credit requirements include a minimum of three core courses:

- IDIS 3000-3: An Introduction to Interdisciplinary Studies (3 credits)
- IDIS 4980-3: Interdisciplinary Studies: The Research Project (3 credits)
- IDIS 4990-3: Interdisciplinary Studies: The Graduating Essay (3 credits)

Additional upper-level requirements include:

- A critical thinking course (3 credits) selected from an appropriate discipline. (Examples include ANTH 3050: Theory in archaeology; ENGL 3320: Modern critical theories; Any upper-level Philosophy course; Any upper-level Open University critical thinking course)
- A research methods course (3 credits) selected from an appropriate discipline. (Examples include TMGT: Research tourism; BUSN 3980: Business research methodology; SOCI 3820: Socio-ethnographic research methods; PSYC 3030: Tests and measurements; Any upper-level Open University research methods course
- Area of concentration (min 18 credits)
- Writing intensive courses (6 credits)
- Breadth requirement (9 credits)
- Electives (up to 12 credits, chosen to fulfill graduation requirements and/or career goals).

Students may require more than an additional 60 upper-level credits to complete the BIS degree if lower-level academic prerequisites are required to enter upper-level courses.

Program Contact

Program Coordinator
250.377.6072

Bachelor of Journalism Degree

The Bachelor of Journalism is an intensive, four-year degree that blends theory and skill development to train students for jobs as journalists and communication specialists. The practical side of the program focuses on writing, editing, interviewing, taking photographs, and working with new technology to produce print and online publications. The theory side of the program emphasizes media law, journalistic ethics, decision-making, and critical thinking.

Learning Options

Program Options

Bachelor of Bachelor of Journalism Degree

Bachelor of Journalism Degree with a Major in Public Relations

Full-time or Part-time Study

On-Campus

The program is offered on the main campus of TRU in Kamloops.

Program Start Date

Students usually enter the Journalism programs in September each year.

Program Overview

The Bachelor of Journalism degree blends theory and skill development to train students for jobs as journalists and communication specialists. The practical side of the program focuses on writing, editing, interviewing, taking photographs, and working with new technology to produce print and online publications. The theory side of the program

emphasizes media law, journalistic ethics, decision-making, and critical thinking.

Students enter the Bachelor of Journalism degree program by starting at first year, or by transferring into the program in second or third year. During the first two years of the program, students complete foundational Journalism courses that extend over two years. In the third and fourth years of the program, students fulfill the remaining credit requirements.

The curriculum is designed to encompass the following pedagogical areas: (1) basic journalism skills and understanding of the critical knowledge areas required by journalists and other professional communicators; (2) deadline reporting skills and expertise in common areas of news coverage; (3) familiarity with industry software and the high-level production skills gained by producing publications; (4) theoretical understanding of the problems and challenges faced in the field; and (5) focused knowledge and skill in an area relevant to each student's career goals.

Note: Once accepted into the program, students will be expected to consult with the program chair to work out a program plan according to their individual objectives.

Students will take foundation courses in their year of entry. This ensures that all students will:

1. Develop writing, editing, design, layout, and basic photography and desktop publishing skills;
2. Gain a broad, critical understanding of the legal, political, economic, and social issues and circumstances faced by media professionals;
3. Build a knowledge base in media and communications theory and in the historical roles and social purposes of the media.

The program emphasizes the relationship between theory and practice. Students are encouraged to develop and hone their skills through working with widely-circulated hard copy and electronic publications. The program is also structured to accommodate students with a wide range of educational and practical experience, as well as to provide a broad set of career and educational options for graduates.

International Experiences

Students may be able to complete courses toward their degree at a university outside Canada. Consult the department chair before enrolling in the Study Abroad program.

Admission Requirements

First-Year Admission Requirements

Students applying into the first year of the Bachelor of Journalism Degree program will be expected to meet the following admission requirements:

1. BC Grade 12 or Adult Dogwood or Mature student status. Applicants who do not have English 12/English 12 First Peoples with a minimum of 73% within the last five years will have to complete one of the following prerequisites to qualify:
2. Level 4 on the composition section of the Language Proficiency Index (within the last 2 years); or
3. Completion of ENGL 0600 or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better.

Third-Year Entry Option

Students entering at Third-Year must have completed 60 post-secondary credits. Those applicants who have taken no prior journalism or communication courses are required to complete 48 credits of journalism, including the four core second-year courses. Core curriculum will be adjusted during academic counseling as appropriate for students who have already taken journalism or communication courses in their first and second years. (For a detailed course schedule, see chart below.)

Writing Sample

All applications for the Bachelor of Journalism degree program must include a writing sample, 500 words or less, on the topic "Why I want to be a Journalist." The department recommends a meeting with the department chair, in person, by phone, or email correspondence, prior to the application deadline.

Program and Entry Options

Most students enter into the Bachelor of Journalism program at the first year and complete four years of study in the program. Alternatively, students may transfer into the program at the third year after completing 60 credits of post-secondary study. Admission is competitive; preference is given to those whose post-secondary studies show evidence of strong writing skills; a good understanding of Canadian history, politics, and economy; strong problem solving and critical thinking abilities; good oral communication and interpersonal skills; a basic understanding of visual design; and a general familiarity with computers.

Students are further encouraged to gain volunteer experience in the field before applying to the program. In addition to the focus in journalism, students may choose to pursue a Concentration in Public Relations.

Service Learning and Internship Experiences

The degree program includes an optional practicum placement at a newspaper or magazine, or in the media or public relations departments of government or private agencies. Alternatively, through a six-to-twelve-week supervised service-learning position, students explore the range of career possibilities in journalism, public relations, and organizational communication. Students propose practicum and service learning placements in collaboration with department faculty. Department supervision and evaluation of field work is completed in collaboration with a field supervisor. Students prepare for practicums (the traditional way into the newspaper business) and/or service

learning positions in the Career Preparation Courses. Three core, one-credit courses, offered in second, third, and fourth years, help students prepare for and seek practical placements or service learning projects during their second and third years, and for jobs or graduate programs after fourth year. Journalism students are also encouraged to pursue publication on a freelance basis and to volunteer for short-term internships with local papers and other publications to gain invaluable "real-world" experience.

General practicum inquiries are welcome. Please contact:
Journalism Program Chair
250.377.6017
Journalism Program Coordinator
250.377.6045

Transfer to TRU

Students may transfer up to 60 credits of acceptable post-secondary study from any recognized college or university.

Evaluation of transfer credit is done on an individual basis, except where formal transfer agreements are in place. Contact the Department Chair for more information on credit transfer towards entry into the Journalism program.

Prior Learning Assessment Review (PLAR)

PLAR credit is routinely assessed for Journalism students, especially for mature students with prior professional work in the field of Journalism, Communications, Media, and Public Relations, following TRU Education Policy on PLAR. Consultation with the Department Chair is recommended for students seeking information and/or assessment on the suitability of potential PLAR credits.

Program Overview

In the four-year Bachelor of Journalism program, students complete 60 Journalism credits, with 12 credits required in each of the first and second years, and 18 credits required in each of the third and fourth years.

Bachelor of Journalism	REQUIRED COURSES (CREDITS)	ELECTIVE COURSES (CREDITS)
YEAR 1 & 2	8 (24 credits)	12 (36 credits)
YEAR 3 & 4	12 (36 credits)	8 (24 credits)
	20 (60 credits)	20 (60 credits)
		Total Credits for Degree = 120

Bachelor of Journalism: Years 1 and 2 program and course description

In first and second year courses, the program emphasizes composition skills and media/communication literacy. The curriculum emphasizes the basics of reporting, writing and storytelling in different media formats and an introduction to the theoretical and historical foundations of journalism. First and second year courses will be offered every year.

Bachelor of Journalism: Years 3 and 4 program and course description

The emphasis in the senior years enables students to develop expertise in multi-media and multi-format journalism. Students will also have more opportunity to concentrate on developing expertise in specific reporting subjects or beats, reinforced by additional course work in other disciplines. Upper-level journalism courses will rotate every two years to offer more choice. Two senior core courses (JOUR 3700: Media Law and Media Ethics, and JOUR 3520: Research Methods) and some writing-intensive and production courses will be offered every year. Journalism students will be advised to complete a senior project course (JOUR 4750). The Beat Reporting course (JOUR 3230) is a shell course, covering the basics of beat reporting while enabling students to specialize in subjects of their choice.

Program Structure and Course Schedule

The boxes that follow detail the journalism courses and their distribution over the four-year period of the degree program. Students entering the program at the third year have different program requirements as explained in a separate box. The Bachelor of Journalism with a Major in Public Relations has different program requirements as seen below:

YEAR 1 and YEAR 2 – Bachelor of Journalism 8 required courses (24 credits)	
CMNS 1160	Introduction to Communications
CMNS 2290	Professional & Business Writing
CMNS 2160	Mass Comm. & Popular Culture
JOUR 2060	Introduction to Multimedia
JOUR 2200	Introduction to Reporting Skills
JOUR 2020	Media Theory and History
JOUR 2210	Introduction to News Photography and Videography
VISA 1500	Introduction to Visual Culture
ELECTIVES (total of 36 credits) RECOMMENDED	
CMNS 1290	Introduction to Technical Writing
CMNS 2180	Social Networks & Internet Memes
ENGL 1100 OR ENGL 1110	
CMNS 2170	Interpersonal Communication
CMNS 2200	Technology and Communication
	Electives (1000 and 2000 courses) – Unspecified: These are a student's choice from areas such as (but not limited to) Arts, Languages, Sciences, or Business.
	Year 1: Total Credits 30 Year 2: total Credits 30
Year 3 and 4 – Upper Level Credits **12 required courses (36 credits)**	
JOUR 3700	Media Law and Media Ethics
JOUR 3520	Research Methods
JOUR 2800 JOUR 3800 JOUR 4800	Career Prep (1 credit each bundled)
Choose a minimum of 9 courses from this list:	

JOUR 3030	News Writing
JOUR 3110	Layout and Design
JOUR 3160	Online Journalism
JOUR 3230	Beat Reporting
JOUR 3510	Photojournalism
JOUR 3540	Feature Writing
JOUR 3550	Media and Public Relations
JOUR 3990	Service Learning: Internship
JOUR 4020	Advanced Media Theory
JOUR 4110	Issues in Journalism: A Case Studies Approach
JOUR 4130	Advanced Online and Multimedia Journalism
JOUR 4150	Popular Science, Nature and Technology Writing
JOUR 4210	Freelance Writing
JOUR 4270	Investigative Journalism
JOUR 4310	Literary Journalism
JOUR 4590	Outlaw Journalism
JOUR 4750	Senior Project
Year 3 and 4 Electives (24 credits) RECOMMENDED	
CMNS 3050	Communication, Marketing & Design
CMNS 3070	Studies in Communication and Rhetoric
CMNS 3230	Information Design
CMNS 3500	Studies in Public Relations
CMNS 3510	Intercultural Communication
CMNS 3600	Studies in Communication, Film and Digital Production
CMNS 3700	Studies in Communication and New Media
CMNS 3800	Communication and New Media
CMNS 4610	Field Course in Documentary Filmmaking
EDVP 4160	The Arts and Media Literacy
FILM 3850	Film Theory and Critical Thinking
Other Electives (3000 and 4000 level courses) – Unspecified: These are a student's choice from areas such as (but not limited to) Arts, Languages, Sciences, or Business.	

Third Year Entry Course Requirements

Entry into the Bachelor of Journalism is available to students who have completed two years, or the equivalent of 60 credits of pre-journalism course work at any college or university in BC or in other parts of Canada. Block transfer agreements are in place for some BC and Alberta institutions, allowing students who have completed a journalism studies diploma, or equivalent, to transfer directly into third and fourth year courses. Consultation with the department chair is highly recommended to facilitate this transfer process.

Course Requirements for students transferring into the Bachelor of Journalism with no prior journalism or communication courses: Students are required to take 48 credits (16 Journalism courses), including the core courses, as detailed below.

Third-Year Entry – EXAMPLE COURSE SCHEDULE	
JOUR 2020	Media Theory and History
JOUR 2060	Introduction to Multimedia
JOUR 2200	Introduction to Reporting Skills
JOUR 2210	Introduction to News Photography and Videography
JOUR 2800	Career Prep (1 credit)
JOUR 3030	News Writing
JOUR 3110	Layout and Design
JOUR 3160	Online Journalism
JOUR 3230	Beat Reporting
JOUR 3520	Research Methods
JOUR 3540	Feature Writing
JOUR 3510	Photojournalism
JOUR 3550	Media and Public Relations
JOUR 3980	Journalism Practicum Placement
JOUR 3990	Service Learning: Internship
JOUR 3700	Career Prep (1 credit)
JOUR 3800	Media Law and Media Ethics
JOUR 4020	Advanced Media Theory
JOUR 4110	Issues in Journalism: A Case Studies Approach
JOUR 4130	Advanced Online and Multimedia Journalism
JOUR 4150	Popular Science, Nature and Technology Writing
JOUR 4210	Freelance Writing
JOUR 4270	Investigative Journalism
JOUR 4310	Literary Journalism
JOUR 4590	Outlaw Journalism
JOUR 4750	Senior Project
JOUR 4800	Career Prep (1 credit)
JOUR 4820	Advanced Interviewing Technique and Practice
Electives (3000 and 4000 level courses) – Unspecified: These are a student's choice from areas such as (but not limited to) Arts, Languages, Sciences, or Business.	

Recommendations for Electives

Both journalism courses and electives are selected in consultation with the program chair. Students should use their electives to either develop a particular specialty, or help fill in gaps in their general knowledge. For instance, students seeking to enhance their writing skills may develop a concentration in courses offered through the English Department. Similarly, the Departments of Philosophy, History, Geography, Sociology, and Political Science offer a number of 3000 and 4000 level courses that would enable students to enhance their knowledge of Canadian history, politics, and social structure. These requirements reflect the value that TRU places on a broadly-based education in the Humanities, the Sciences and Social Sciences, and Business. In addition to Communication and New Media, we recommend that students in the Bachelor of Journalism program select a range of courses, in particular those with depth in Canadian content, and several writing-intensive courses.

Program Requirements - Bachelor of Journalism with Major in Public Relations

To pursue a Major in Public Relations, journalism students are required to meet the Bachelor of Journalism core requirements, in addition to completing 24 credits of specific Journalism, Communication, and business credits as shown below:

Major in Public Relations - Required Courses:

Required Courses:	
JOUR 3550	Media and Public Relations
CMNS 4530	Organizational Communications
MKTG 2430	Marketing Management
Plus six credits selected from:	
JOUR 3110	Layout and Design
JOUR 3160	Online Journalism
CMNS 3050	Communication, Marketing, and Design
CMNS 3500	Selected Topics in Communication and Public Relations
CMNS 3510	Intercultural and Cross-Cultural Communication
CMNS 3600	Studies in Communication, Film, and Digital Production
CMNS 3700	Studies in Communication and New Media
CMNS 3800	Communication and New Media

Plus six credits selected from:	
MNGT 3710	Business Ethics in Society
MKTG 3470	Consumer Behavior
MKTG 3480	Marketing Research
IBUS 3510	International Business
HRMN 2820	Human Resource Management
HRMN 3840	Employee and Labour Relations
ORGB 3770	Teamwork in Organizations
MKTG 4460	Marketing Strategy
MKTG 4470	International Marketing
MKTG 4480	Integrated Marketing Communications

Program Contact

Department Chair and Journalism Advisor
250.377.6017

Associate of Arts Degree (AA)

Two-year, undergraduate program. Graduates receive an Associate of Arts degree (AA).

Learning Options

Full-time or Part-time Study

Students may study full-time or part-time.

On-Campus

The full degree is offered on the main campus of TRU in Kamloops; a selection of 1st and 2nd year courses are offered at the Williams Lake campus.

Program Start Dates

Students may enter the program in Fall, Winter or Summer semester.

Distance Education

Many courses are available by distance education. For greater flexibility, TRU also offers the Associate of Arts – Open Learning degree.

Program Overview

The associate degree is designed to provide an educational experience that lays a solid foundation for further study. Students are required to complete a broad range of course offerings balanced with in-depth study in science. Since many students will continue their studies, the requirements are sufficiently flexible to enable students to complete the required prerequisites for upper level course work in their intended major.

Admission Requirements

1. BC Grade 12 or Adult Dogwood or Mature student status.
2. Mathematics 11 or higher is strongly recommended for students pursuing Education or a major in Geography, Sociology or Psychology.
3. English 12/English 12 First Peoples with a minimum of 73% within the last five years. Students who do not present one of these courses will have to complete one of the following prerequisites to qualify for ENGL 1100:
   - Level 5, on the composition section of the Language Proficiency Index (within the last 2 years); OR Completion of English 0600; OR
   - Completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

To ensure a good selection of courses, it is recommended that applicants apply as soon as possible after October 1.

Timetabling and registration workshops are available for help in determining courses required. Applicants can also take advantage of the Step One and Group Advising sessions offered throughout the school year to help make the process of applying and determining program requirements easier to understand. Please contact Academic Advising at 250.828.5075 or baadvising@tru.ca for more information.

Program Requirements

1. Sixty credits of first and second year B.C. university transfer courses, which include:
2. Six credits in first year English
3. Thirty-six credits in Arts which shall include: six credits in Social Sciences, six credits in Humanities (including the Creative and Performing Arts).
4. Twenty-four credits of Arts which must include eighteen credits of second year Arts in two or more subject areas (disciplines).
5. Nine semester credits in Science, including three semester credits of Math or Statistics or Computing Science, and three credits in a Lab Science.
6. Nine semester credits of first- or second-year courses.

Note: No course will be used to meet more than one of the specific requirements.

A cumulative GPA of 2.0 for all courses counting towards the credential.

Suggested Areas of Study

Humanities

English	Fine Arts
French	German
History	Japanese

Music	Philosophy
Spanish	Theatre

Social Science

Anthropology
Canadian Studies
Economics
Geography (except GEOG 1120, 1220, 2040, 2750)
Political Studies
Psychology (except PSYC 2100)
Sociology

Please note: The following courses are classified as SCIENCE:

GEOG 1120, 1220, 2040, 2750, PSYC 2100

Program Contact

BA Advisor
baadvising@tru.ca
250.371.5566

Visual Arts Diploma

A two-year undergraduate program. Graduates receive a Visual Arts diploma.

Learning Options

Full-time or Part-time Study

Students may study full-time or part-time.

On-campus

Courses are offered at the Kamloops campus.

Program Start Dates

Students may enter the program in the Fall or Winter semester.

Program Overview

Students in the Visual Arts at Thompson Rivers University can have the best of two worlds: courses can be counted toward a Diploma and toward a Bachelor of Fine Arts and a Bachelor of Arts with a Minor in Visual Arts, or other university degrees at the same time. The Diploma allows students to sample a diverse selection of different media, such as drawing, painting, printmaking, ceramics, sculpture and multi-media to gain an introduction to contemporary art practices along with art history and theory. The Diploma is useful in a resume for job applications or entrance to academic programs that require some background theory and practice in visual arts.

The TRU Visual Arts Diploma program consists of two years of core and elective courses, all of which may be taken singly, if desired. The holder of a TRU Visual Arts Diploma can enter the third year of the Bachelor of Fine Arts (Visual Arts) degree, or other university programs. Thus, it is strongly recommended that those students wishing to pursue the BFA degree at TRU or other post-secondary institution complete the Visual Arts Diploma to achieve third year standing before advancing to upper level classes in Visual Arts.

Admission Requirements

Students are admitted to the Bachelor of Fine Arts program.

1. B.C Grade 12, or equivalent
2. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years.); OR Level 4 on the composition section of the L.P.I. (within the last 2 years.); OR Completion of English 0600; OR Completion of ESAL 0570 and ESAL 0580 with C+ or better.

Laddering Credit from other Programs

Credits earned in the Visual Arts Certificate may be applied toward the Visual Arts Diploma. Contact a Fine Arts degree advisor for details.

Program Options

In addition to the Visual Arts Diploma, the Fine Arts Program offers the following options:

- Visual Arts Studio Certificate
- Literary and Art History Certificate
- Bachelor of Fine Arts Degree

Visual Arts courses can also be counted toward a Bachelor of Arts with a Minor in Visual Arts, or toward other university degrees.

Program Requirements

Students qualify for the TRU Visual Arts Diploma on completion of 60 credits, 48 of which are in Visual Art. At least 21 of the Visual Art credits should be achieved at second year level. An overall grade point average of 2.33 is also required for Diploma status. It is recommended that Diploma students complete 2D and 3D Foundation courses: VISA 1010, 1020 and 1030 as well as Drawing 1 and 2: VISA 1210 and VISA 1220, before progressing to the second year of Visual Arts courses. Diploma students must also complete the first year History of Art courses: VISA 1110, 1210 as well as ENGL 1100 and one of ENGL 1110, 1120, 1140, 1210 or VISA 1500 before the end of the second year of study. Electives to complete the required credits may be selected from the other subject areas. Students who complete the Visual Arts Diploma with a grade point average of 2.33 are considered to have achieved third year standing and may progress into third year of the BFA Program.

If you are planning to complete a BFA degree, please consult the Visual and Performing Arts Department chair mailto:lbennett@tru.ca or a Fine Arts degree advisor mailto:dbuis@tru.ca.

Visual Arts Gallery

Situated beside Student Street, this gallery is used to present exhibitions of student, faculty and community art works. It is run by the Visual Arts Gallery Committee.

Laddering Credit to other Programs

Credits earned in the Visual Arts Diploma may be applied toward the BFA Degree. Contact a Fine Arts degree advisor for details.

Program Contacts

Chair of Visual & Performing Arts
250.377.6136

Visual Arts Coordinator
250.828.5482

Theatre Coordinator
250.828.5020

Secretary, Visual & Performing Arts
250.371.5580

Visual Arts Studio Certificate

A one-year program. Graduates receive a Visual Arts Studio Certificate.

Learning Options

Full-time or part-time

Students may study full-time or part-time study.

On-campus

Courses are offered on the main campus of TRU in Kamloops.

Program Overview

Students in the Visual Arts at Thompson Rivers University can have the best of two worlds: courses can be counted toward a Certificate, a Diploma and toward a Bachelor of Fine Arts and a Bachelor of Arts with a Minor in Visual Arts, or other university degrees at the same time. The Certificate gives students an introduction to current art practices, in 2D and 3D media, with emphasis on 2D design, drawing, painting, colour theory, printmaking, photography, 3D design, sculpture and ceramics. The Certificate is useful on a resume for job applications or entrance to academic programs that require some practical knowledge in visual arts.

The TRU Visual Arts Diploma program consists of 30 credits of first and second year Visual Arts studio classes, usually taken over 2 years, all of which may be taken singly, if desired.

Program Options

In addition to the Visual Arts Studio Certificate, the Fine Arts Program offers the following options:

- Visual Arts Diploma
- Literary and Art History Certificate
- Bachelor of Fine Arts Degree

Visual Arts courses can also be counted toward a Bachelor of Arts with a Minor in Visual Arts, or toward other university degrees.

Admission Requirements

1. B.C Grade 12 (or equivalent)

2. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years.); OR Level 4 on the composition section of the L.P.I. (within the last 2 years.); OR Completion of English 0600, OR Completion of ESAL 0570 and ESAL 0580 with C+ or better.

The Admissions Department will arrange for evaluation, on request, of official transcripts for work completed elsewhere and will grant transfer credit towards specific programs.

Certain courses may be challenged for credit. The purpose of this challenge is to determine whether knowledge and experience gained outside the university is equivalent to that required for successful completion of a course.

The maximum transfer credit and challenge credit will be 50% of the credit value of the program.

Some courses in University certificate programs may require a prerequisite which is not a part of the certificate program itself.

Program Requirements

The Visual Arts Studio Certificate requires completion of a minimum of 30 credits.

Visual Arts Studio Certificate	
VISA 1010/1020/1030 (Foundation Courses)	9 credits
VISA 1210 (Drawing 1)	3 credits
Any six 2nd year VISA Studio courses	18 credits
Total Program Requirements	**30 credits**

Laddering Credit to other Programs

Credits earned in the Fine Arts Certificate can be applied towards the BFA Degree.

Program Contacts

Chair of Visual & Performing Arts
250.377.6136

Visual Arts Coordinator
250.828.5482

Secretary, Visual & Performing Arts
250.371.5580

Sculpture and Ceramics Certificate

A two-semester program. Graduates receive a Sculpture and Ceramics Certificate.

Learning Options

Full-time or part-time study

Students may study full-time or part-time.

On-Campus

The complete certificate is offered on the main campus of TRU in Kamloops.

Program Start Dates

Students may enter the program in September, January or May if they are taking courses on campus. Some distance courses are also based on September or January start dates, while others offer the ability to start at any time.

Program Overview

Students in the Visual Arts at Thompson Rivers University who prefer to work in various 3D media can opt for a Sculpture and Ceramics Certificate. The courses can be counted toward a Diploma and toward a Bachelor of Fine Arts and a Bachelor of Arts with a Minor in Visual Arts, or other university degrees at the same time. The Certificate allows students to sample a diverse selection of different 3D media, such as ceramics and sculpture, which includes multi-media practices, installation, electronic and mechanical applications and traditional practices such as carving, welding and fabrication, to allow a good understanding of contemporary 3D art practices. The Certificate is useful in a resume for job applications or entrance to academic programs that require a background in contemporary sculpture and 3D practices, or to move towards a career as a practicing artist.

Program Options

The Fine Arts Department also offers the following options:

- Visual Arts Studio Certificate
- Visual Arts Diploma
- Bachelor of Fine Arts

Program Requirements

The TRU Sculpture and Ceramics Certificate program consists of 30 credits of core courses, all of which may be taken singly, if desired.

VISA 1030	3D Foundation
VISA 1210	Drawing 1
VISA 1010 OR VISA 1220	2D Foundation Or Drawing 2
VISA 2410	Introductory Ceramics 1
VISA 2420	Introductory Ceramics 2
VISA 2310	Sculpture 1
VISA 2320	Sculpture 2
VISA 3410	Ceramics 3
VISA 3420	Ceramics 4
VISA 3310	Sculpture Intermediate

Program Contacts

Chair of Visual & Performing Arts
250.377.6136

Visual Arts Coordinator
250.828.5482

Secretary, Visual & Performing Arts
250.371.5580

Painting and Drawing Certificate

A two-semester program. Graduates receive a Painting and Drawing Certificate.

Learning Options

Full-time or part-time study

Students may study full-time or part-time.

On-Campus

The complete certificate is offered on the main campus of TRU in Kamloops.

Program Start Dates

Students may enter the program in September, January or May if they are taking courses on campus. Some distance courses are also based on September or January start dates, while others offer the ability to start at any time.

Program Overview

Students in the Visual Arts at Thompson Rivers University who prefer to work in 2D media can opt for a Painting and Drawing Certificate. The courses can be counted toward a Visual Arts Diploma and toward a Bachelor of Fine Arts and a Bachelor of Arts with a Minor in Visual Arts, or

other university degrees at the same time. The Certificate allows students to sample a diverse selection of core 2D media: painting, oil and acrylic; and drawing, which would also include practices such as life drawing, collage and assemblage to allow a solid grounding in contemporary 2D art practices. The Certificate is useful in a resume for job applications or entrance to academic programs that require a background in contemporary painting and drawing practices, or to move towards a career as a practicing artist.

Program Options

The Fine Arts Department also offers the following options:

- Visual Arts Studio Certificate
- Visual Arts Diploma
- Bachelor of Fine Arts

Program Requirements

The TRU Painting and Drawing Certificate program consists of 30 credits of core courses, all of which may be taken singly, if desired.

VISA 1010	2D Foundation 1
VISA 1020	2D Foundation 2
VISA 1210	Drawing 1
VISA 1220	Drawing 2
VISA 2610	Painting 1
VISA 2620	Painting 2
VISA 2210	Drawing 1
VISA 2220	Drawing 2
VISA 3610	Painting 3
VISA 3620	Painting 4
VISA 3630	Studio Media: Painting and Drawing

Program Contacts

Chair of Visual & Performing Arts
250.377.6136

Visual Arts Coordinator
250.828.5482

Secretary, Visual & Performing Arts
250.371.5580

Modern Languages Certificate

Learning Options

Full-time or Part Time Study
Students may study full-time or part time.

On-Campus
The complete certificate is offered on the main campus of TRU in Kamloops.

Program Start Date(s)
Students may enter the program in September, January or May if they are taking courses on campus. Some distance courses are also based on September or January start dates, while others offer the ability to start at any time.

Program Options

Modern Languages also offers the following options:

- Certificate in World Languages and Cultures
- Associate of Arts (Modern Languages)

Admission Requirements

1. BC Grade 12 or Adult Dogwood or Mature student status.
2. English 12/English 12 First Peoples with a minimum of 73% within the last five years; or Level 4, on the composition section of the Language Proficiency Index (within the last 2 years); OR Completion of English 0600; OR Completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

Laddering Credits from Diplomas

Course credits in the Certificate in World Languages and Cultures may be applied toward the B.A. Degree.

Program Requirements

Program Requirements	
FREN 1100/1200	Intermediate French
FREN 1110/1210	1st Year University French
FREN 2110/2210	Studies in French Language and Composition
Plus any two other approved modern language courses at the 1000 level.	
	TOTAL CREDITS : 24

Program Contact

Modern Languages Coordinator
250.371.5951

Associate of Arts (Modern Languages) Degree

Learning Options

Full-time or Part-time Study

Students may study full-time or part-time.

On-Campus

The complete certificate is offered on the main campus of TRU in Kamloops.

Program Start Date(s)

Students may enter the program in September, January or May if they are taking courses on campus. Some distance courses are also based on September or January start dates, while others offer the ability to start at any time.

International Opportunities

Study Abroad

TRU offers a range of International Exchange opportunities, and is a member of a large, international Study Abroad program that gives students access to universities around the world. Students may want to spend one or more semesters of study at another university.

International Field Schools

TRU offers a number of general and program specific field schools every year. These schools run from two to six weeks in length and offer course credit that may be applied to your Associate of Arts degree.

Program Options

Modern Languages also offers the following options:

- Certificate in Modern Languages (French)
- Certificate in World Languages and Cultures

Admission Requirements

1. BC Grade 12 or Adult Dogwood or Mature student status.
2. English 12/English 12 First Peoples with a minimum of 73% within the last five years; OR Level 4, on the composition section of the Language Proficiency Index (within the last 2 years); OR Completion of English 0600; Or Completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

Laddering Credits from Diplomas

Course credits in the Associate of Arts (Modern Languages) may be applied toward the B.A. Degree.

Program Requirements

Program Requirements	
General Requirements	60 credits of 1st and 2nd-year B.C. University Transfer courses
	Cumulative GPA of 2.0 of all courses counting towards the credential
Specific Requirements	6 credits of 1st-year English
	36 credits in Arts including: - 6 credits in Social Sciences - 6 credits in Humanities (including the Creative and Performing Arts)
	24 credits of Arts which must include 18 credits of 2nd-year Arts in two or more subject areas (disciplines)
	9 semester credits in Science, including 3 semester credits of Math or Statistics or Computing Science, and 3 credits in a lab science
	9 semester credits of 1st- or 2nd-year courses
	TOTAL CREDITS: 60

May be completed in French, Spanish, German or Japanese

Program Contacts

Modern Languages Coordinator
250.371.5951

Certificate in World Languages and Cultures

Learning Options

Full-time or Part-time Study
Students may study full-time or part-time

On-Campus
The complete certificate is offered on the main campus of TRU in Kamloops.

Program Start Date(s)
Students may enter the program in September, January, or May if they are taking courses on campus. Some distance courses are also based on September or January start dates, while others offer the ability to start at any time.

Program Overview

In a global environment, broad-based formal instruction in language and culture is of the utmost importance. Employers in all fields recognize that to be competitive and successful, their companies and employees must demonstrate increased knowledge, sensitivity and appreciation of other cultures. The Certificate in World Languages and Cultures meets this need as it educates successful graduates to better serve an increasing market of global and intercultural travelers and to communicate more effectively with contacts worldwide. The goal of the program is to provide students with a solid academic base in world languages and cultures through a combination of language and culture courses and field schools/study abroad.

Program Options

Modern Languages also offers the following options:

- Certificate in Modern Languages (French)
- Associate of Arts (Modern Languages)

Admission Requirements

1. BC Grade 12 or Adult Dogwood or Mature student status.

2. English 12/English 12 First Peoples with a minimum of 73% within the last five years: OR Level 4, on the composition section of the Language Proficiency Index (within the last 2 years); OR Completion of English 0600; OR Completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

Program Requirements

12 credits of language instruction in 2 different languages at the 1XXX level
6 credits of languages instruction at the 2XXX level
3 credits in cultural theory at the 2nd- or 3rd-year level from List A: Cultural Theory Courses
3 or more credits of an ML-approved, cultural/ language-oriented field school or credits earned through study abroad
12 credits of electives in at least 3 different disciplines from List B: Electives
TOTAL CREDITS: 36

Program Contacts

Modern Languages Coordinator
250.371.5951

Aboriginal Studies Certificate

A 24-credit certificate students can obtain in the course of completing a degree. Graduates who meet the certificate credit requirements receive an Aboriginal Studies Certificate.

Learning Options

Full-time or Part-time Study

Students complete the program on a full-time or part-time basis in conjunction with a degree.

On-campus

Courses are offered at the Kamloops campus. Some courses may also be available through TRU OL.

Program Overview

Aboriginal / Indigenous studies is an interdisciplinary field of inquiry that seeks to understand the ways in which indigenous peoples worldwide, despite their incredible diversity, share a common experience of colonization. Aboriginal and Indigenous studies is thus interested in historical contexts, political struggles, cultural expressions, and the lived ongoing effects of colonialism.

The Aboriginal Studies Certificate provides students the opportunity to concentrate on aboriginal / indigenous studies as part of their degree. Students are encouraged to explore issues through a broad range of disciplinary course offerings. As indigenous issues cross disciplinary boundaries, so too does this certificate.

Admission Requirements

See Admission Requirements for the BA program.

Program Requirements

Aboriginal Studies Certificate	
The certificate in Aboriginal Studies requires the completion of at least 24 credits in courses designated as "aboriginal content" courses (some courses may have additional pre-requisites).	
ARCH 1190	Introduction to Archaeology
ANTH 1210	Introduction to Cultural Anthropology
ANTH 2140*	Canadian Native Peoples
ARCH 2190	Ancient North Americans
ARCH 2230	Native Peoples and Cultures of British Columbia
ENGL 2410	Native Canadian Literature
GEOG 2230	The Regional Geography of British Columbia and Yukon
HIST 2020	History of the Native Peoples of Canada
POLI 1110	The Government and Politics of Canada
SOCI 2010	Race and Ethnic Relations
TMGT 1020	Cultural Heritage and Nature Interpretation
* highly recommended as an introduction to Aboriginal Studies	
Note: The following courses would not normally be accessible to students in a certificate program due to the individual course pre-requisites and the requirement of admittance to the Bachelors degree programs for upper level courses. In special circumstances, however, it may be possible for non-traditional students to be admitted to these courses, which may count towards the credits for the certificate.	
ARCH 3060	Summer Field Training in Archaeology
ANTH 3270	First Nations Natural Resource Management
ANTH 4010	Native Peoples of North America
ANTH 4040	Peoples and Cultures of the North American Arctic
ANTH 4050	Canadian Status/Treaty Indian Reserve Communities
ARCH 4060	Cultural Resource Management
ARCH 4110	Prehistory of a Special Area in the New World
ARCH 4200	Archaeology of British Columbia
EDUC 442	Pedagogy of First Nations Education
ENGL 4460	Studies in Commonwealth/Postcolonial Literature
ENGL 4470	Studies in Aboriginal Literature (North American)
POLI 4060	Topics in Latin American Politics
SOCW 3540	An Introduction to First Nations Issues and Human Services
THTR 325	*History of Canadian Theatre - (*Not Currently Available)

Program Contact

Sociology and Anthropology
250.852.7290

Literary and Art History Certificate

A one-year program. Graduates receive a Literary and Art History Certificate.

Learning Options

Full-time or part-time study

Students may study full-time or part-time.

On-Campus

The complete certificate is offered on the main campus of TRU in Kamloops.

Program Start Dates

Students may enter the program in September, January, or May if they are taking courses on campus. Some distance courses are also based on September or January start dates, while others offer the ability to start at any time.

Program Overview

The Literary and Art History Certificate helps students understand the natural connection between the written word and art. So often these

activities overlap and, by making a concentration of these subject areas through select courses, the student is offered the opportunity to see how it is that the ideas or creative impulse of the day, and not the medium, that often determines what is made. Students of art history will be fascinated to learn that, while there are romantic painters, there are also romantic writers, and some like William Blake do both. Their ideas come out of the social milieu of the day and it is through the study across disciplines that the student is able to gauge the breadth of these contemporary ideas.

Program Options

The Fine Arts Department also offers the following options:

- Visual Arts Studio Certificate
- Visual Arts Diploma
- Bachelor of Fine Arts

Admission Requirements

1. B.C Grade 12, or equivalent

2. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years.); OR Level 4 on the composition section of the L.P.I. (within the last 2 years.); OR Completion of English 0600; OR Completion of ESAL 0570 and ESAL 0580 with C+ or better.

Secretary, Visual & Performing Arts
250.371.5580

Program Requirements

Literary And Art History Certificate	
ENGL 1100/1110/1210/1120/1140	(any two) First Year English
ENGL 2110/2210	Survey of English Literature
VISA 1110/1120	History of Art 1 and 2
VISA 2110/2120	History of Art 3 and 4
VISA 2130/2140	A Survey of Modern Art 1 and 2

Laddering Credits

Credits earned in the Literary and Art History Certificate can be applied toward the BFA Degree.

Program Contacts

Chair of Visual & Performing Arts
250.377.6136

Visual Arts Coordinator
250.828.5482

Cultural & Social Explorations Certificate

Learning Options

Full-time or Part Time Study
Students may study full-time or part time.

On-Campus
The complete certificate is offered on the main campus of TRU in Kamloops.

Program Start Dates
Students may enter the program in September, January or May if they are taking courses on campus. Some distance courses are also based on September or January start dates, while others offer the ability to start at any time.

Program Requirements

Cultural & Social Explorations Certificate	
ANTH 1210	Introduction to Cultural Anthropology
GEOG 1010	People Places and Landscapes: Introducing Human Geography
GEOG 1110	World Regional Geography
POLI 1210	Contemporary Ideologies
SOCI 1110	Introduction to Sociology 1
SOCI1210	Introduction to Sociology 2
Plus any three of:	
ANTH 2140	Canadian Native Peoples
ANTH 2150	Studies in Ethnography
GEOG 2120	Geography of Urban and Regional Planning
POLI 2150	Comparative Politics
POLI 2220	Political Philosophy

School of Business and Economics

Master of Business Administration

Program Overview

The complex business environment requires managers to display an ever increasing level of professionalism. In a world economy where growth is rapid, competition is intense, and innovation is non-stop, business people must be able to make difficult decisions quickly, but temper them with a high degree of social responsibility. Managers must also have a deep understanding of the different cultures and business practices found around the world and a true empathy for all participants in our rapidly globalizing economy.

The MBA focuses on producing managers and leaders who can meet these challenges with its emphasis on decision making in an uncertain environment, interpersonal and communication skills, ethics and social responsibility, and globalization. The program also caters to those wanting to develop their academic and applied research skills through its Master's Thesis or Project Options. The completion of a thesis can serve as a stepping stone to a PhD program and an eventual career in academics or consulting. The

MBA is unique among Canadian Universities in that the same program is offered in the campus-based and online modalities on a full-time or part-time basis. This provides students with the ability to adopt the learning style that best suits them and to adjust their education to accommodate their busy work and personal schedules. Through the use of innovative online learning technologies, the MBA ensures all students receive the same rich learning experience regardless of modality with a focus on quality interaction among fellow students, faculty and industry professionals.

The MBA experience at TRU is divided into two programs: the Graduate Certificate in Business Administration (GCBA) consisting of six courses and the MBA consisting of twelve courses. Students must complete the six courses in the GCBA to be admitted to the MBA, but may be exempted from some or all of the GCBA courses as determined by the MBA Committee based on their previous academic record at the undergraduate or graduate level. Applicants with a 4-year BBA or BComm from an acceptable institution may be eligible to proceed directly to the MBA program. Those who have taken at least three of the six GCBA courses at TRU will be awarded a Graduate Certificate in Business Administration.

The courses in the MBA were specifically selected to develop the knowledge and applied skills needed to achieve success at the management and executive levels of any organization in any field. Students will complete the required courses in the MBA Core and select between three completion options: the Course-based Option, the Thesis Option or the Project Option.

Learning Options

Part-time - Yes
On-Campus - Yes
Distance – Yes
Program Start Dates – September, January, May

Admission Requirements

GCBA

To be admitted to the GCBA, students must meet each of the following:

1. **Education Requirement** – Acceptable 3 or 4-year undergraduate degree in any discipline with a minimum B average (GPA of 3.00 on a scale of 4.0) in the last 60 credits.

2. **Language Requirement** – Applicants who did not complete their undergraduate degree in an English language university in a country whose first language is English must have **one** of the following:

    - A minimum TOEFL score of 600 with a TWE of 5.0 or higher (paper-based test), or a minimum 100 with no section below 20 (IBT), or
    - IELTS of at least 7.0 (all bands), or
    - TRU ENGL 1100 and CMNS 1290 with a B (GPA of 3.0 on a scale of 4.0) or higher.

3. **Quantitative and Computing Skills Requirement** – Applicants must have adequate quantitative and/or computing skills in the opinion of the MBA Committee. Adequate quantitative skills include having a strong background in algebra and statistics. Adequate computing skills include having a strong background in word processing, presentation, and spreadsheet software.

Students who do not meet the education or language requirements or do not have adequate quantitative and/or computing skills in the opinion of the MBA Committee will be asked to take specified undergraduate courses to upgrade.

All students who meet the entrance requirements for the program will be accepted.

MBA

To be admitted to the MBA, sstudent's must complete each course in the GCBA with a minimum B average (GPA of 3.0 on a scale of 4.33) or be exempted.

Application Process

All prospective students will complete the GCBA/MBA application form available on our website.

Visit www.tru.ca/business/mba/applying for detailed information on the application process, deadlines and the GCBA/MBA application form. Applications are reviewed by the MBA Committee and the committee will determine if successful applicants are eligible for exemptions in some or all of the GCBA courses.

Program Requirements

GCBA

BUSN 5010-3	Managerial Statistics
BUSN 5020-3	Financial Accounting
BUSN 5030-3	Management Accounting
BUSN 5040-3	Global Economics
BUSN 5050-3	Marketing Management
BUSN 5060-3	Human Resource Management

MBA

Core	
BUSN 6010-3	Ethics and Corporate Social Responsibility
BUSN 6020-3	Corporate Finance
BUSN 6030-3	International Business
BUSN 6040-3	Leadership and Organization Development
BUSN 6050-3	Supply Chain Management
BUSN 6060-3	Strategic Management Information Systems
BUSN 6070-3	Project Management and Consulting Methods
BUSN 6080-3	Strategic Management

General Management Option	
BUSN 6150-3	Advance Marketing Management
BUSN 6210-3	Advanced Corporate Finance
BUSN 6250-3	Decision Analysis and Modelling
BUSN 6310-3	Innovation and Entrepreneurship

Graduate Thesis/Project Option	
BUSN 6950-3	Research Methods, Preparation, and Presentation
BUSN 6960-12	Graduate Thesis or
BUSN 6970-9	Graduate Project

Exemption Policy

GCBA

Students may be exempted from GCBA courses if the MBA Committee determines they have adequate recent undergraduate or graduate course work in the area from an acceptable institution. All students must receive a grade of B (GPA 3.00) or higher in the corresponding undergraduate or graduate courses to be exempted. No PLAR credit will be awarded in the GCBA.

MBA

Students may be exempted for a maximum of three courses in the MBA program based on an individual assessment of equivalent graduate courses taken at an acceptable institution with a minimum grade of B (GPA 3.0) or higher in each course. No PLAR credit will be awarded in the MBA.

Graduation Requirements

GCBA

Students must complete each course in the GCBA with a minimum B average (GPA of 3.0 on a scale of 4.33) or be exempted to proceed to the MBA. Those who have taken at least three courses at TRU will be awarded the graduate certificate.

As per TRU policy ED-5, a student who receives a B- or lower in two or more courses may be required to withdraw from the GCBA regardless of their grade point average unless the MBA Committee recommends otherwise.

MBA

Those students who complete each course with a minimum B average (GPA of 3.0 on a scale of 4.33) or are exempted will be awarded an MBA.

As per TRU policy ED-5, a student who receives a B- or lower in two or more courses may be required to withdraw from the MBA regardless of their grade point average unless the MBA Committee recommends otherwise.

Program Contact

Program and Academic Inquiries
MBA Student Services
250.852.7297
mba@tru.ca

Admission Inquiries
Admission Officer, Graduate Studies
250.828.5402
GradAdmissions@tru.ca

Bachelor of Business Administration Degree

Program Overview

The Bachelor of Business Administration (BBA) is a 4-year degree program. During Years 1 and 2, students receive a strong general education in the humanities and social sciences and take a number of core business courses. This serves as the foundation for advanced study in business at the upper level.

In Years 3 and 4, students must acquire a specialization in one of the functional area of business, including Accounting, Finance, Human Resources, International Business, Marketing, or New Venture Creation. Students interested in Economics can also select that discipline, or those who want more breadth in their business studies can choose the General BBA.

Specializations take the form of majors consisting of eight or more courses. The majors prepare students to pursue a professional designation such as the Chartered Professional Accountant (CPA), Chartered Financial Analyst (CFA), or Certified Human Resource Professional (CHRP) by providing the extensive course work needed to meet the core competencies established by the profession.

Students in 3rd and 4th Year also have the option of completing a minor consisting of four course in a specific discipline or cross-disciplinary area. The purpose of a minor is to help students acquire knowledge to support their major area of study or give them breadth in their business education. Students who do not complete a minor can take additional business or non-business electives to complete their degree.

During their studies, students will receive high quality instruction from accomplished academics and practitioners. Case studies, class presentations, guest speakers, field trips, company reports, simulations, and business competitions are all used extensively to enhance the student's learning experience. In 3rd and 4th Year, students can participate in an international exchange for a semester, participate in service learning, pursue the Co-operative Education Option, or complete a Honours Degree.

As a BBA graduate, you will have strong writing, presentation, critical thinking, and people skills which are the cornerstones of future success. Hard work is not without its rewards. Job prospects for BBA graduates are generally good and students have the potential to rise quickly in position and salary if they apply themselves at work.

Learning Options

Part-time - Yes
On-Campus - Yes
Distance – Many courses are available through distance delivery
Program Start Date – September, January, May

Admission Requirements

1. B.C. Grade 12 or mature student status
2. C+ in Foundations Math 12 **or** Pre-Calculus Math 12 **or** in Principles Math 12 **or** TRU MATH 0610 or equivalent
3. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years); or level 5 on the compositions section of the Language Proficiency Index (LPI), with all other categories of the LPI at a minimum of 70% (within the last 2 years); or satisfactory completion of the TRU English Assessment (ACCUPLACER) at the university entrance level; or completion of ENGL 0600 with a grade of C+ or better; or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better;

Students may commence their studies while they upgrade their English and Mathematics.

Program Requirements

General Education Electives

Humanities Electives	
Six credits of humanities electives must be completed from the following:	
English	Chinese
French	German
Spanish	Japanese
Speech	Theatre
Music	Philosophy
Film	Communications
History	Visual and Performing Arts
Note: International Business Major students are required to complete six credits of language courses in one language area at the lower level unless exempted based on previous formal language education.	
Social Sciences Electives	
Six credits of social sciences electives must be completed from the following:	
Anthropology	Archeology
Canadian Studies	Economics
Geography	Political Studies
Psychology (excludes PSYC 2100)	Sociology (excludes SOCI 2710)

Core Courses

The following 72 credits (24 courses) are required:	
MNGT 1710	Introduction to Business
ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210	Introduction to University Writing **or** Introduction to Prose Fiction **or** Introduction to Poetry **or** Introduction to Drama **or** Introduction to Drama and Poetry
CMNS 1290	Introduction to Professional Writing
MATH 1070	Mathematics for Business and Economics
MATH 1170	Calculus for Business and Economics
ECON 1900	Principles of Microeconomics
ECON 1950	Principles of Macroeconomics
PHIL 1110	Introduction to Critical Thinking
ECON 2320	Statistics for Business and Economics 1
ECON 2330	Statistics for Business and Economics 2
ACCT 2210	Financial Accounting
ACCT 2250	Management Accounting
FNCE 2120	Financial Management
MKTG 2430	Marketing
MIST 2610	Management Information Systems
ORGB 2810	Organizational Behaviour
HRMN 2820	Human Resource Management
BLAW 2910	Commercial Law
ECON 3040	Managerial Economics
CMNS 3240	Advanced Professional Communication
SCMN 3320	Supply Chain Management
IBUS 3510	International Business
MNGT 3710	Business Ethics and Society
MNGT 4780	Strategic Management

Majors/General BBA

Accounting Major	
ACCT 3200	Intermediate Financial Accounting 1
ACCT 3210	Intermediate Financial Accounting 2
ACCT 3220	Income Taxation 1
ACCT 3230	Income Taxation 2
ACCT 3250	Intermediate Management Accounting
FNCE 4110	Advanced Financial Management for Accts
ACCT 4200	Advanced Financial Accounting
ACCT 4230	Assurance
ACCT 4250	Advanced Management Accounting
MIST 4610	Strategic Management Information Systems

Economics Major
The Major in Economics requires 42 ECON credits of which 24 must be at the 3000 and 4000 level, with a minimum of 6 at the 4000 level. ECON 2900 and ECON 2950 are required and either ECON 3900 or ECON 3950 must be taken.

Finance Major	
FNCE 3150	Investments 1
FNCE 3170	Investments 2
FNCE 3180	Risk Management and Financial Engineering
FNCE 4130	Advanced Financial Management
FNCE 4180	International Financial Management
Plus at least three of:	
FNCE 3140	Financial Statement Analysis
ACCT 3260	Taxation for Decision Making
FNCE 4120	Business Valuation and Restructuring
FNCE 4140	Personal Financial Management
FNCE 4160	Portfolio Management
FNCE 4190	Financial Institutions Management
ECON 4330	Forecasting in Business and Economics

Human Resource Management Major	
ORGB 3810	Organizational Theory and Design
HRMN 3830	Human Resource Planning and Staffing
HRMN 3840	Employee and Labour Relations
BLAW 3920	Employment Law
HRMN 4830	Total Rewards
HRMN 4840	Org. Learning, Training and Development
ORGB 4870	Organizational Development and Change
HRMN 4890	Selected Topics in HR Management

International Business Major	
MKTG 3450	Professional Selling
MKTG 3480	Marketing Research
MKTG 4470	International Marketing
IBUS 3520	Global Management
IBUS 4520	International Trade Finance
IBUS 4530	International Trade Law and Logistics
IBUS 4540	Global Entrepreneurship

Marketing Major	
MKTG 3470	Consumer Behaviour
MKTG 3480	Marketing Research
MKTG 4460	Marketing Strategy
Plus at least five of:	
MKTG 3450	Professional Selling
ECON 4330	Forecasting in Business and Economics
MKTG 4400	Professional Sales Management
MKTG 4410	Services Marketing
MKTG 4420	Brand Management
MKTG 4430	Retail Management
MKTG 4440	Advanced Marketing Research
MKTG 4450	E-Commerce
MKTG 4470	International Marketing
MKTG 4480	Integrated Marketing Communication
MKTG 4490	Business-to-Business Marketing

New Venture Creation Major	
ACCT 3260	Taxation for Decision Making
MKTG 3480	Market Research
ENTR 3720	Small Business Finance
MKTG 4450	E-Commerce
MKTG 4480	Integrated Marketing Communicated
ENTR 4750	New Venture Creation
ENTR 4760	Small Business Management
General BBA	
Students must complete at least 24 credits (normally 8 courses) of 300 or 400-level business or ECON courses in addition to the core requirements in 3rd and 4th year.	
Note: Business courses include those beginning with the ACCT, BLAW, MIST, ENTR, FNCE, HRMN, IBUS, MKTG, MNGT, ORGB, SCMN, or BUSN acronyms.	

Minors

Accounting Minor	
ACCT 3200	Intermediate Financial Accounting 1
ACCT 3210	Intermediate Financial Accounting 2
Plus at least two of:	
ACCT 3220	Income Taxation 1
ACCT 3230	Income Taxation 2
ACCT 3250	Intermediate Management Accounting
ACCT 4200	Advanced Financial Accounting
ACCT 4230	Assurance
ACCT 4250	Advanced Management Accounting
MIST 4610	Strategic Management Information Systems

Economics Minor
12 credits of 3000 and/or 4000 level Economics, excluding ECON 3090.

Environmental Economics and Sustainable Development Minor	
At least four of:	
ECON 3410	Economics of Climate Change
ECON 3690	Community Economic Development
ECON 3700	Cost Benefit Analysis
ECON 3710	Environmental Economics
ECON 3730	Forestry Economics
ECON 3740	Land Use Economics
ECON 3990	Special Topics in Economics
ECON 4720	Sustainable Economic Development
ECON 4990	Special Topics in Economics

Financial Markets and Institutions Minor	
At least four of:	
ECON 3100	Canadian Financial Markets
ECON 3550	International Economics
ECON 4100	International Financial Markets
FINC 4190	Financial Institutions Management
ECON 4560	International Macroeconomics and Finance

Finance Minor	
FNCE 3150- Investments 1	
Plus at least three of:	
FNCE 3140	Financial Statement Analysis
FNCE 3170	Investments 2
FNCE 3180	Risk Management and Financial Engineering
ACCT 3260	Taxation for Decision Making
FNCE 4120	Business Valuation and Restructuring
FNCE 4130	Advanced Financial Management
FNCE 4140	Personal Financial Management
FNCE 4160	Portfolio Management
FNCE 4180	International Financial Management
FNCE 4190	Financial Institutions Management
ECON 4330	Forecasting in Business and Economics

Human Resource Management Minor	
At least four of:	
ORGB 3810	Organizational Theory and Design
HRMN 3830	Human Resource Planning and Staffing
HRMN 3840	Employee and Labour Relations
BLAW 3920	Employment Law
HRMN 4830	Total Rewards
HRMN 4840	Org. Learning, Training, and Development
ORGB 4870	Organizational Development and Change
HRMN 4890	Selected Topics in HR Management

International Business Minor	
At least four of:	
IBUS 3520	Global Management
MKTG 4470	International Marketing

IBUS 4520	International Trade Finance
IBUS 4530	International Trade Law and Logistics
IBUS 4540	Global Entrepreneurship

Marketing Minor	
At least four of:	
MKTG 3450	Professional Selling
MKTG 3470	Consumer Behaviour
MKTG 3480	Marketing Research
ECON 4330	Forecasting in Business and Economics
MKTG 4400	Professional Sales Management
MKTG 4410	Services Marking
MKTG 4420	Brand Management
MKTG 4430	Retail Management
MKTG 4440	Advanced Marketing Research
MKTG 4450	E-Commerce
MKTG 4460	Marketing Strategy
MKTG 4470	International Marketing
MKTG 4480	Integrated Marketing Communication
MKTG 4490	Business-to-Business Marketing

New Venture Creation Minor	
ACCT 3260	Taxation for Decision Making
ENTR 3720	Small Business Finance
ENTR 4750	New Venture Creation
ENTR 4760	Small Business Management

Honours Degree Option

The Honours Degree Option offers high-caliber students the opportunity to gain recognition for their superior academic performance and would be an excellent choice for those wanting to go on to graduate school.

To earn this distinction, students must maintain a G.P.A. of 3.00 (B) or higher in 3rd and 4th Year while either (i) completing additional upper level courses or (ii) writing a thesis. No upper level grade can fall below B- (G.P.A. 2.67), although students can re-take courses once to meet the necessary grade requirement. To be admitted, students must have a GPA of 3.00 or higher in Years 1 & 2.

Course Route students must take four additional 3rd and 4th year courses in Business or Economics or an approved related area of which two must be at the 4th year level.
Those interested in the Thesis Route must take the following three courses as part of their BBA studies:

- BUSN 3980-3 - Business Research Methodology
- BUSN 4960-3 - Directed Studies or,
  ECON 4960 - Directed Studies
- BUSN 4980-6 - Honours Thesis

Business Research Methodology is taken in the Fall Semester of Year 3 and provides students with the knowledge and skills necessary to conduct academic research in one of the business disciplines. Students will learn how to conduct literature reviews and prepare research proposals, and study the statistical methods that might be used in preparing an Honours Thesis. In the Winter Semester of Year 3, students will take a directed studies course in the area of their proposed thesis.

Honours Thesis is a taken in Year 4 where the student, under the direction of a thesis supervisor, prepares a research paper. The course has no formal class schedule; instead students confer regularly with their supervisor who provides advice on the direction of the research project. In addition to researching and writing the thesis, students will have to formally present it to the academic community. This will not only include their fellow classmates, but accomplished academics in the area.

Service Learning

Academic service learning provides a venue for senior-level students to share their knowledge and skills with the community through approved community-based projects. These service learning projects may be initiated by students, by community members, groups, agencies, and organizations, and by faculty. To qualify for service learning credit, a faculty member must first authorize the course and then agree to both supervise and evaluate the project.

The student's service learning must demonstrate civic participation, community involvement, and require some measure of formal critical reflection; in addition, the project must involve students (normally 3 - 5 hours per week) in organized community service that addresses local needs.

Students may receive service learning credit by working individually or in cohorts of up to 5 students on the same community project. Normally, students meet with the faculty supervisor for initial consultation and/or training during the first week of classes; after the initial meeting, students are expected to keep the faculty supervisor informed about the project on a regular basis. At the end of the course, students will present the faculty supervisor with an evaluation form completed by the community group, agency, or organization served and some combination of the following: a research paper, report, or document; a student journal or activity log; a presentation, performance, or exhibition.

BBA students may take up to six upper level credits of service learning (SERV 3000, SERV 4000).

Cooperative Education Option

The Co-operative Education Option is voluntary but is strongly recommended as it provides students with the opportunity to combine academic studies with paid, career-related work experience. This will help them build a greater appreciation of the curriculum being studied; develop practical business skills in their area of specialization; enhance their communication and critical thinking skills and self-confidence; develop a career focus and important job search skills; and establish employment and business contacts for after graduation.

Job placements are competitive so students are not guaranteed a position in any given work term. Many co-op employers are located outside the Kamloops region so students may have to temporarily relocate for four, eight, or 12 months. Co-op time patterns vary depending on student priorities and market conditions.

Applications for co-op are accepted after students successfully complete specified 1000 and 2000-level core courses in the BBA. Students will be assessed based on academic performance (minimum GPA of 2.67), performance in the specific core courses and a letter of application. Preference will be given to students with strong oral and written communication skills. Successful students must complete a Co-op Seminar (COOP 1000) which offers instruction in career development skills in order to be eligible for a work term.

Students must complete three Co-op Work Terms to graduate with a Co-op designation, but they are still encouraged to complete just one or two work terms if possible. Students earn three upper level credits for each completed work term up to a maximum of six credits.

Double Degree in Computing and Business

Double degrees in both computing and business will provide graduates with a strong foundation from which to build a successful career in the information technology industry. Bachelor of Computing Science and BBA graduates will possess the combined management skills and computing "know how" needed to be successful in an increasingly high-tech business environment.

To earn double degrees, students must meet the requirements of both programs. Many core and elective courses can be "double counted," which means they can be used for credit in both programs. Through careful course selection, it is possible to complete both degrees in just five years. Double degree students must graduate from both degrees at the same time.

Course Requirements

1. No BBA credit will be given for ECON 1220 if it is taken after completion of either ECON 1900 (or equivalent) or ECON 1950 (or equivalent).
2. No BBA credit will be given for MATH 1100 if it is taken after completion of MATH 1070 (or equivalent). No credit will be given for MATH 1000 if it is taken after completion of MATH 1170 (or equivalent).
3. Students must have written permission from the Program Advisor to enroll in Upper Level business courses during their first 60 semester credits.
4. Normally, students will only be allowed to attempt a single course three times. The third attempt much be approved in writing by the chairperson of the department offering the course. The highest grade achieved in duplicated courses will be used for CGPA calculations, but the student's record will show all attempts.
5. Transfer credit will be determined on a course-by-course basis. Equivalent courses taken at approved two-year colleges will be awarded credit for lower level courses only. Upper level credit will be granted if a course is taken at an acceptable university. Normally, the course must be 80 percent equivalent to receive transfer credit.

   Transfer credit will be assigned in accordance with the B.C. Transfer Guide, the TRU Credit Bank, a formal articulation agreement between the two institutions, or a specific course evaluation based on a course outline provided by the educational institution. Students with international education must provide translated official transcripts plus an evaluation by an approved evaluation service. Students must have a grade of C- or higher to receive transfer credit – non-graded (Pass/Fail, Complete) or university preparation credits will not be accepted. Transferred courses are awarded credit only and are not included in the CGPA.

6. Prior Learning Assessment (PLAR) is the assessment by some valid and reliable means of what has been learned through formal and non-formal education, training or experience that is worthy of credit in a course or program offered by TRU. PLAR is used to evaluate knowledge, skills and competencies which have been acquired through, but not limited to, work experience, independent reading, hobbies, volunteer work, non-formal learning, travel and artistic pursuits. PLAR can be awarded using an individual assessment or the TRU Credit Bank.

7. The university maintains a credit bank containing course equivalencies for courses or programs such as professional licences, designations, or certificates completed outside of the college or university system. These non-formal courses and programs have been previously evaluated by qualified tenured/tenure track faculty members from the academic department responsible for the course and the credits to be awarded are predetermined. Students should contact a Program Advisor if they feel they are eligible for credit from the credit bank or have taken other courses or programs that they believe should be included.

8. For individual assessment for business and ECON credit, applicants will be evaluated by portfolio and/or a challenge exam that is assessed by a qualified tenured/tenure track faculty member from the academic department responsible for the course – if a challenge exam is written, a grade of C or higher is required to receive credit. PLAR credit does not count towards the residency requirement of the BBA and is awarded credit only and not included in a student's CGPA. PLAR credit awarded by other Canadian accredited post-secondary institutions that have formally adopted the assessment standards of the Council for Adult and Experiential Learning and/or the BC Council on Admissions and Transfer (BCCAT) prior learning standards and guidelines will also be recognized. Students should contact a Program Advisor if they feel they are eligible for PLAR credit.

Note: Students can receive credit for no more than 30 credits of the BBA requirements by PLAR.

Degree Completion Requirements

1. Complete at least 120 credits with a minimum of 60 credits as TRU credit. Students must also complete a minimum of 36 business credits as define by AACSB as TRU credit. More than 120 credits may have to be taken to meet these requirements.

2. Complete the General Education Requirements, Core Courses, and a Major or General BBA.

3. Complete a minimum of 45 credits in non-business courses, 51 upper level credits, and 39 upper level credits in business or ECON. Business courses include those beginning with the ACCT, BLAW, MIST, ENTR, FNCE, HRMN, IBUS, MKTG, MNGT, ORGB, SCMN, or BUSN acronyms.

4. Complete at least four 4000-level business or ECON courses including MNGT 4780.

5. No more than 30 credits completed at other university-level institutions as part of a student exchange may be counted toward completion of the BBA program. Students must have their courses approved by the Program Advisor before participating in an exchange.

6. If completing a major and a minor, students can only share credit for one course. When completing a double major, students may share credit between two courses only.

7. No more than six upper level credits of Service Learning or Cooperative Education and a further six credits of Special Topics courses may be counted towards the BBA requirements.

8. Complete at least three credits of distance delivery business or economics courses.

9. Attain an overall CGPA of at least 2.0, and grades of C- or better in all core courses, Major/Minor courses, General BBA courses or prerequisites courses. Students must earn a minimum of C+ in prerequisites for some upper level accounting and finance courses.

10. Students must apply for graduation and attendance at Convocation by completing and submitting the appropriate form(s). The deadline for submitting an application to graduate and attend Convocation is March 31 with program completion by April 30 for the June ceremony and July 31 with program completion by August 31 for the October ceremony.

Laddering

Graduates of the Accounting Technician, Management or Executive Assistant Diplomas may ladder into the BBA and complete the degree in as little as two years.

BBA graduates who attain a minimum GPA of 3.0 in the last 60 credits may be exempted from the six courses in the Graduate Certificate in Business Administration and apply directly to the Master of Business Administration. Students must receive a grade of B or higher in the equivalent undergraduate courses to be exempted.

Program Contact

Academic Advising, Student Services
www.tru.ca/business
SoBEDAdvisor@tru.ca
250.852.7635

Post-Baccalaureate Diplomas in Business

Program Overview

A post-baccalaureate diploma will be of interest to students who have a non-business degree, and want to return to university for one or two years to acquire a specialty in a functional area of business in order to enhance their employment opportunities. Students with a first degree in business who want to change their area of focus may want to complete a post-baccalaureate diploma as well.

The post-baccalaureate diplomas are also valuable to international students who wish to come to Canada to learn English, gain exposure to a new culture, and study in a compressed format. Many who do so have already studied business in their own country and have received exemptions that reduce the length of the program.

These diplomas will be a great foundation for students who want to pursue a professional designation such as the Chartered Professional Accountant (CPA), Chartered Financial Analyst (CFA), or Certified Human Resource Professional (CHRP) after graduation.

Learning Options

Part-time - Yes
On-Campus - Yes
Distance – Many courses are available through distance education

Program Start Date – September, January, May

Admission Requirements

Bachelor Degree

Note: Students are expected to have taken the equivalent to Grade 12 mathematics and have completed at least six credits of university English prior to admission. Those who have not done so can still be admitted to the program, but they must complete equivalent courses as approved by a program advisor.

Program Requirements

Post-Baccalaureate Diploma in Accounting	
MATH 1070 MATH 1100	Mathematics for Business & Economics **or** Finite Math with Applications 1
ECON 1900	Microeconomics
ECON 1950	Macroeconomics
FNCE 2120	Introduction to Financial Management
ACCT 2210	Financial Accounting
ACCT 2250	Management Accounting
ECON 2320 STAT 1200 STAT 2000	Economics and Business Statistics 1 **or** Introduction to Statistics **or** Introduction to Statistics
ECON 2330 STAT 2410	Economics and Business Statistics 2 **or** Applied Statistics

MIST 2610	Management Information Systems
BLAW 2910	Commercial Law
ACCT 3200	Intermediate Financial Accounting 1
ACCT 3210	Intermediate Financial Accounting 2
ACCT 3220	Income Taxation 1
ACCT 3230	Income Taxation 2
ACCT 3250	Intermediate Management Accounting
FNCE 4110	Adv. Financial Management for Accountants
ACCT 4200	Advanced Financial Accounting
ACCT 4230	Assurance
ACCT 4250	Advanced Management Accounting
MIST 4610	Strategic Management Information Systems

Post-Baccalaureate Diploma in Business Administration	
MATH 1070 MATH 1100	Mathematics for Business & Economics **or** Finite Mathematics with Applications 1
MNGT 1710	Introduction to Business
ECON 1900	Principles of Microeconomics
ECON 1950	Principles of Macroeconomics
FNCE 2120	Introduction to Financial Management
ACCT 2210	Financial Accounting
ACCT 2250	Management Accounting
ECON 2320 STAT 1200 STATS 2000	Economics and Business Statistics 1**or** Introduction to Statistics **or** Introduction to Statistics
ECON 2330 STATS 2410	Economics and Business Statistics 2 **or** Applied Statistics
MKTG 2430	Marketing
MIST 2610	Management Information Systems
HRMN 2820	Human Resource Management
ORGB 2810	Organizational Behaviour
BLAW 2910	Commercial Law
SCMN 3320	Supply Chain Management
IBUS 3510	International Business
MNGT 3710	Business Ethics and Society
MNGT 4780	Strategic Management
One additional 3000/4000 business course	
One additional 3000/4000 business course	

Note: Business courses include those beginning with the ACCT, BLAW, MIST, ENTR, FNCE, HRMN, IBUS, MKTG, MNGT, ORGB, SCMN, or BUSN acronyms.

Post-Baccalaureate Diploma in Finance	
MATH 1070 MATH 1100	Mathematics for Business and Economics **or** Finite Mathematics with Applications 1
MATH 1170 MATH 1130 MATH 1140 MATH 1150	Calculus for Business and Economics **or** Enriched Calculus **or** Calculus 1**or** Calculus for Biological Sciences
ECON 1900	Microeconomics
ECON 1950	Macroeconomics
FNCE 2120	Financial Management
ACCT 2210	Financial Accounting
ACCT 2250	Management Accounting
ECON 2320 STAT 1200 STAT 2000	Economics and Business Statistics 1 **or** Introduction to Statistics **or** Introduction to Statistics
ECON 2330 STAT 2410	Economics and Business Statistics 2 **or** Applied Statistics
MIST 2610	Management Information Systems
FNCE 3150	Investments 1
FNCE 3170	Investments 2
FNCE 3180	Risk Management and Financial Engineering
FNCE 4130	Advanced Financial Management
FNCE 4180	International Financial Management
At least five of:	

BLAW 2910	Commercial Law
FNCE 3140	Financial Statement Analysis
ACCT 3260	Taxation for Decision Making
FNCE 4120	Business Valuation and Restructuring
FNCE 4140	Personal Financial Management
FNCE 4160	Portfolio Management
FNCE 4190	Financial Institutions Management
ECON 4330	Forecasting in Business and Economics

Post-Baccalaureate Diploma in Human Resource Management	
MNGT 1710	Introduction to Business
ACCT 2210	Financial Accounting
ACCT 2250	Management Accounting
MIST 2610	Management Information Systems
ORGB 2810	Organizational Behaviour
HRMN 2820	Human Resource Management
BLAW 2910	Commercial Law
MNGT 3710	Business Ethics and Society
ORGB 3770	Teamwork in Organizations
ORGB 3810	Organizational Theory and Design
HRMN 3830	Human Resource Planning and Staffing
HRMN 3840	Employee and Labour Relations
BLAW 3920	Employment Law
HRMN 4830	Total Rewards
HRMN 4840	Org. Learning, Training and Development
ORGB 4870	Organizational Development and Change
HRMN 4890	Selected Topics in HR Management

Post-Baccalaureate Diploma in International Business	
MATH 1070 or MATH 1100	Mathematics for Business and Economics or Finite Math with Applications 1
FNCE 2120	Financial Management
ACCT 2210	Financial Accounting
ECON 2320 STAT 1200 STAT 2000	Economic and Business Statistics 1 Introduction to Statistics **or** Introduction to Statistics **or**
ECON 2330 STAT 2410	Economic and Business Statistics 2 **or** Applied Statistics
MKTG 2430	Marketing
MIST 2610	Management Information Systems
ORGB 2810	Organizational Behaviour
BLAW 2910	Commercial Law
SCMN 3320	Supply Chain Management
MKTG 3450	Professional Selling
MKTG 3480	Marketing Research
IBUS 3510	International Business
IBUS 3520	Global Management
MKTG 4470	International Marketing
IBUS 4520	International Trade Finance
IBUS 4530	International Trade Law and Logistics
IBUS 4540	Global Entrepreneurship

Post-Baccalaureate Diploma in Marketing	
ACCT 2210	Financial Accounting
ACCT 2250	Management Accounting
ECON 2320 STAT 1200 STAT 2000	Economics and Business Statistics 1 **or** Introduction to Statistics **or** Introduction to Statistics
ECON 2330 STAT 2410	Economics and Business Statistics 2 **or** Applied Statistics
MKTG 2430	Marketing
MIST 2610	Management Information Systems
ORGB 2810	Organizational Behaviour
SCMN 3320	Supply Chain Management
MKTG 3470	Consumer Behaviour
MKTG 3480	Marketing Research
IBUS 3510	International Business
MNGT 3710	Business Ethics and Society

MKTG 4460	Marketing Strategy
At least seven of:	
MKTG 3450	Professional Selling
ECON 4330	Forecasting in Business and Economics
MKTG 4400	Professional Sales Management
MKTG 4410	Services Marking
MKTG 4420	Brand Management
MKTG 4430	Retail Management
MKTG 4440	Advanced Marketing Research
MKTG 4450	E-Commerce
MKTG 4470	International Marketing
MKTG 4480	Integrated Marketing Communication
MKTG 4490	Business-to-Business Marketing

Post-Baccalaureate Diploma in New Venture Creation	
MATH 1070 MATH 1100	Mathematics for Business & Economics **or** Finite Math with Applications 1
ECON 2320 STAT 1200 STAT 2000	Economic and Business Statistics 1 **or** Introduction to Statistics **or** Introduction to Statistics
FNCE 2120	Financial Management
ACCT 2210	Financial Accounting
ACCT 2250	Management Accounting
ECON 2330 STAT 2410	Economic and Business Statistics 2 **or** Applied Statistics
MKTG 2430	Marketing
MIST 2610	Management Information Systems
BLAW 2910	Commercial Law
ACCT 3260	Taxation for Decision Making
MKTG 3450	Professional Selling
MKTG 3480	Marketing Research
ENTR 3720	Small Business Finance
MKTG 4450	E-Commerce
MKTG 4480	Integrated Marketing Communication
ENTR 4750	New Venture Creation
ENTR 4760	Small Business Management

Students must achieve a grade of C- or better in all courses to graduate. A course can be repeated just once and only two courses can be repeated. Students must take a minimum of ten courses at TRU after exemptions to receive a post-baccalaureate diploma.

Laddering

Post-baccalaureate students may receive exemptions in the Graduate Certificate in Business Administration which must be successfully complete before applying to the MBA. Students must receive a grade of B or higher in the equivalent undergraduate courses to be exempted. The number of exemptions awarded will depend on the requirements of the post-baccalaureate diploma.

Program Contact

Academic Advising, Student Services
www.tru.ca/business
SoBEDAdvisor@tru.ca
250.852.7635

Minor in Management

Program Overview

Most professionals outside of business still require a strong foundation in the principles of management to be effective on the job. The Bachelor of Science (BSc), Bachelor of Computer Science (BCS) and Bachelor of Arts (BA) degrees at TRU each has a Minor in Management offered by the School of Business and Economics, which provides students the opportunity to acquire these needed skills.

The program is highly flexible, allowing students to fit management classes into their crowded schedules of lectures and labs. Courses taken in computing, mathematics, and statistics in the BSc, BCS, or the BA can also be used for credit, helping to reduce the length of the program.

Students taking the Minor in Management can ladder into either one of the post-baccalaureate diplomas in business or the MBA after graduation if they decide that business is the best career path for them.

Learning Options

Part-time - Yes
On-Campus - Yes
Distance - All courses are available through distance education
Program Start Date – September, January, May

Admission Requirements

Admission to the BSc, BCS, or BA

Program Requirements

MATH 1070 or MATH 1100 or MATH 1140 or MATH 1380	Mathematics for Business & Economics 2 or Finite Mathematics with Applications 1 or Calculus 1 or Discrete Data Structures for Computing Science
STAT 1200 or STAT 2000 or PSYC 2100 or ECON 2320 or BIOL 3000 or SOCI 2710	Introduction to Statistics or Introduction to Statistics or Analysis of Psychological Data or Economics and Business Statistics 1 or Biometrics or Introduction to Social Statistics
ACCT 2210	Financial Accounting
MIST 2610 COMP 1020	Management Information Systems or Introduction to Spreadsheets plus two additional credits in Computer Science
ORGB 2810	Organizational Behaviour
FNCE 3120	Finance
MKTG 3430	Marketing
HRMN 3820	Human Resources
One additional 3000/4000 business course	
One additional 3000/4000 business course	
One additional 3000/4000 business course	

Note: Business courses include those beginning with the ACCT, BLAW, MIST, ENTR, FNCE, HRMN, IBUS, MKTG, MNGT, ORGB, SCMN, or BUSN acronyms.

Laddering

Minor in Management graduates can ladder into one of the post-baccalaureate diplomas in business after graduation and complete the requirements in as little as one year. The number of exemptions awarded will depend on the requirements of the post-baccalaureate diploma.

Students may also receive exemptions in the Graduate Certificate in Business Administration which must be successfully completed before applying to the Master of Business Administration. Students must receive a grade of B or higher in the equivalent undergraduate courses to be exempted.

Program Contact

Academic Advising, Student Services
www.tru.ca/business
SoBEDAdvisor@tru.ca
250.852.7635

Diploma in Management

Program Overview

The Diploma in Management is a two-year program that helps students develop key employment skills in areas such as accounting, oral and written communications, problem solving, marketing, human relations, economics, law and information systems as well as a strong sense of business ethics. Graduates will find employment in retail, sales, human resource and general management positions in both the private and public sectors.

Students who wish to continue their education can pursue a university degree either on-campus or online and possibly earn a professional accounting designation.

Those who complete just the first year will be awarded a Business Foundations Certificate. This qualifies graduates for some entry-level accounting or administrative positions.

Learning Options

Part-time - Yes
On-Campus - Yes
Distance – Most courses are available through distance education
Program Start Date – September, January, May

Admission Requirements

1. B.C. Grade 12 or mature student status, or equivalent
2. C+ Foundations Math 12 **or** Pre-Calculus Math 12 **or** C+ in Principles Math 12 **or** TRU MATH 0610 or equivalent
3. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years); or level 5 on the compositions section of the Language Proficiency Index (LPI), with all other categories of the LPI at a minimum of 70% (within the last 2 years); or satisfactory completion of the TRU English Assessment (ACCUPLACER) at the university entrance level; or completion of ENGL 0600 with a grade of C+ or better; or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better.

Students may commence their studies while they upgrade their English and Mathematics.

Program Requirements

First Year	
Fall Semester	
MATH 1070 MATH 1100	Mathematics for Business and Economics **or** Finite Mathematics with Applications
ENGL 1100	Introduction to University Writing
ECON 1220 ECON 1900	Introduction to Basic Economics **or** Principles of Microeconomics
MNGT 1710	Introduction to Business
ACCT 2210	Financial Accounting
Winter Semester	
CMNS 1290	Introduction to Professional Writing
ECON 1900 ECON 1950	Principles of Microeconomics **or** Principles of Macroeconomics
ACCT 2280	Accounting Software Systems
MIST 2610	Management Information Systems
ORGB 2810	Organizational Behaviour

Second Year	
Fall Semester	
ACCT 2250	Management Accounting
ECON 2320 or STAT 1200	Economics and Business Statistics 1 or Introduction to Statistics
MKTG 2430	Marketing
HRMN 2820	Human Resource Management
BLAW 2910	Commercial Law
Winter Semester	
MKTG 3450	Professional Selling
IBUS 3510	International Business
MNGT 3710	Business Ethics and Society
ORGB 3770	Teamwork in Organizations
One of:	
FNCE 2120	Financial Management
MKTG 3470	Consumer Behaviour
HRMN 3830	Human Resource Planning and Staffing
HRMN 3840	Employee and Labour Relations
HRMN 3920	Employment Law

Students must achieve a grade of C- or better in all courses to graduate. Those who plan on pursuing the Bachelor of Business Administration are recommended to take MATH 1070, ECON 1900, ECON 1950, and ECON 2320.

Laddering

Graduates of the Management Diploma may ladder into the Bachelor of Business Administration degree and receive full credit for courses taken in the diploma. The degree can be completed in as little as two years.

Program Contact

Academic Advising, Student Services
www.tru.ca/business
SoBEDAdvisor@tru.ca
250.852.7635

Accounting Technician Diploma

Program Overview

The Accounting Technician Diploma is a two-year program designed to prepare graduates for positions as para-professionals that serve alongside professional accountants in industry, public practice, and government doing much of the support work. Graduates find employment with public accounting firms working on files and basic tax returns; as payroll, accounts receivable, accounts payable, or general accounting clerks in larger organizations; or as bookkeepers with smaller businesses.

Students who wish to continue their education can choose to pursue a business degree either on-campus or online and possibly earn a professional accounting designation such as the new Chartered Professional Accountant (CPA).

Those who complete just the first year will be awarded a Business Foundations Certificate. This qualifies graduates for some entry-level accounting or administrative positions.

Learning Options

Part-time - Yes
On-Campus - Yes
Distance – All courses are available through distance education
Program Start Date - September, January, May

Admission Requirements

1. B.C. Grade 12 or mature student status
2. C+ in either Foundations Math 12 **or** Pre-Calculus Math 12 (BC graduates of 2013 onwards) **or** C+ in Principles Math 12 (BC graduates prior to 2013) **or** TRU MATH 0610 or equivalent
3. English 12/English 12 First Peoples with a minimum of 73% (with the government exam within the last 5 years); or level 5 on the compositions section of the Language Proficiency Index (LPI), with all other categories of the LPI at a minimum of 70% (within the last 2 years); or satisfactory completion of the TRU English Assessment (ACCUPLACER) at the university entrance level; or completion of ENGL 0600 with a grade of C+ or better; or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

Students may commence their studies while they upgrade their English and Mathematics.

Program Requirements

First Year	
Fall Semester	
MATH 1070 MATH 1100	Mathematics for Business and Economics **or** Finite Mathematics with Applications
ENGL 1100	Introduction to University Writing
ECON 1220 ECON 1900	Introduction to Basic Economics **or** Principles of Microeconomics
MNGT 1710	Introduction to Business
ACCT 2210	Financial Accounting
Winter Semester	
CMNS 1290	Introduction to Professional Writing
ECON 1900 ECON 1950	Principles of Microeconomics **or** Principles of Macroeconomics
ACCT 2280	Accounting Software Systems
MIST 2610	Management Information Systems
ORGB 2810	Organizational Behaviour

Second Year	
Fall Semester	
ACCT 2250	Management Accounting
ECON 2320 STAT 1200	Economics and Business Statistics 1 **or** Introduction to Statistics
MKTG 2430 HRMN 2820	Marketing **or** Human Resource Management
ACCT 3200	Intermediate Financial Accounting 1
ACCT 3220	Income Taxation 1
Winter Semester	
FNCE 2120	Financial Management
BLAW 2910	Commercial Law
ACCT 3210	Intermediate Financial Accounting 2
ACCT 3230	Income Taxation 2
ACCT 3250	Intermediate Management Accounting

Students must achieve a grade of C- or better in all courses to graduate. Those who plan on pursuing the Bachelor of Business Administration are recommended to take MATH 1070, ECON 1900, ECON 1950, and ECON 2320.

Laddering

Graduates of the Accounting Technician Diploma may ladder into the Bachelor of Business Administration degree and receive full credit for courses taken in the diploma. The degree can be completed in as little as two years.

Program Contact

Academic Advising, Student Services
www.tru.ca/business
SoBEDAdvisor@tru.ca
250.852.7635

Associate of Commerce and Business Administration Diploma

Program Overview

Associate diplomas recognize the achievements of students who have completed two years of academic work. They are of particular value to students who want to save money by completing the lower level requirements of a business degree in their local community before transferring to another university such as Simon Fraser University or University of British Columbia for third and fourth year. Associate diplomas are also intended to recognize the accomplishments of student who for financial, family, work or academic reasons are not able to complete a full four-year business degree.

The Associate of the Commerce and Business Administration Diploma is comprised of the courses in Year 1 and 2 of the TRU BBA degree.

Learning Options

Part-time - Yes
On-Campus - Yes
Distance – Most courses are available through distance education
Program Start Date – September, January, May

Admission Requirements

1. B.C. Grade 12 or mature student status
2. C+ in either Foundations Math 12 **or** Pre-Calculus Math 12 **or** C+ in Principles Math 12 or TRU MATH 0610 or equivalent
3. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years); or level 5 on the compositions section of the Language Proficiency Index (LPI), with all other categories of the LPI at a minimum of 70% (within the last 2 years); or satisfactory completion of the TRU English Assessment (ACCUPLACER) at the university entrance level; or completion of ENGL 0600 with a grade of C+ or better; or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better.

Students may commence their studies while they upgrade their English and Mathematics.

Program Requirements

The Associate of Commerce and Business Administration Diploma is awarded to students who have completed the lower level requirements of the Bachelor of Business Administration degree. Students may substitute General Education Electives for MATH 1170-Calculus for Business and Economics and ECON 2330-Economics and Business Statistics 2.

Laddering

Graduates of the Associate of Commerce and Business Administration Diploma may ladder into the Bachelor of Business Administration degree and receive full credit for courses taken in the associate diploma. The degree can be completed in as little as two years.

Program Contact

Academic Advising, Student Services
www.tru.ca/business
SoBEDAdvisor@tru.ca
250.852.7635

Police and Justice Studies Diploma

This program is offered through Community U

Program Overview

The Police and Justice Studies Diploma is a two-year diploma that prepares graduates for careers in policing as well as corrections, parole, customs, and other government services at the federal, provincial or municipal levels. The program was developed in close liaison with police and other justice agencies to ensure graduates would have the breadth of skills and knowledge required to enter police academy training. They also gain a broader understanding of the societal context of police work.

Admission Requirements

Educational Requirements

- Completion of BC Grade 12 or equivalent
- English requirement: 73% on the combined English 12 and Government exam (within the last five years), or Level 4 on the composition section of the LPI (within the last two years), or completion of English 060, or completion of ESAL 057 and ESAL 058 with a grade of C+
- Any Math 11 (For students only considering laddering to degree programs, Principles of Math 11 and 12 as well as a second language to grade 12 are strongly recommended).

General Requirements

- Resume and Statement of Career Objectives
- Criminal record check. Applicants with a criminal record will not be admitted unless a pardon has been granted.
- Year Two students require a BC Class 5, 7N or equivalent to complete the Justice Institute's, Driving With Finesse (a required component of JUST 2450 Police Skills)

Admissions are on a selective and are based on an assessment of a student's GPA (weighted at 70%) and Resume and Statement of Career Objectives (weighted at 30%). The application deadline is April 30.

Laddering

Graduates of the Police and Justice Studies Diploma may ladder into the BSW or the BA degrees and receive partial credit for courses taken in the diploma. The BA allows students to specialize in sociology with a focus on criminology, which would further prepare them for a career in policing and justice.

Program Requirements

First Year	
Fall Semester	
MIST 2610	Management Information Systems
CMNS 1810	Business, Professional and Academic Composition
JUST 1140	Human Behaviour
PHED 1230	Conditioning
PHIL 1110	Introduction to Critical Thinking
Winter Semester	
CMNS 1980	Professional Presentation/Communication
JUST 1250	Tactical Communication Skills for Criminal Justice
JUST 1310	Introduction to Criminal Justice Services in Canada
POLI 1110	The Government and Politics of Canada
	Elective (3 credits)

Second Year	
Fall Semester	
JUST 2350	Introduction to Criminal Law and Legal Institutions
JUST 2510	Introduction to Policing
PHIL 2010	Introduction to Ethics
SOCI 2590	Deviance and Control
	Elective (3 credits)
Winter Semester	
JUST 2450	Police Skills
JUST 2810	Field Work Practicum
SOCI 2010	Race and Ethic Relations
	Electives (6 credits)

Suggested Elective Course List	
CYCA 2620	Introduction to Self in Groups
CYCA 2500	Special Topics
STAT 1200	Introduction to Statistics
PSYC 1110	Introduction to Psychology 1
PSYC 1210	Introduction to Psychology 2
SOCI 1110	Introduction to Sociology 1
SOCI 1120	Introduction to Sociology 2
SOCI 2230	Collective Behaviour
SOCI 2500	Crime and Society
SOCI 2720	Introduction to Research Methods
	Any other 1000-4000 level courses
*Sociology note: SOCI 1110 (or ANTH 1210) is strongly recommended but not required. Students planning on taking additional sociology elective courses numbered 2000 or higher (except for the required courses SOCI 2010 and SOCI 2590) must complete SOCI 1110 and SOCI 1210 first. Students taking only SOCI 2010 and SOCI 2590 are not required to take SOCI 1110 or SOCI 1210.	

Program Contact

Community U
250.828.5272

Executive Assistant Diploma

Program Overview

The Executive Assistant Diploma is a one-year program which prepares graduates to serve in higher level positions as office managers and assistants to senior managers in both industry and government. After completing a certificate in office administration such as TRU's Administrative Assistant Certificate in Year 1, students take additional courses in communications, accounting, computing, and management in Year 2.

With the Executive Assistant Diploma, graduates will be well-prepared to pursue the Certified Administrative Professional (CAP) designation or ladder into a business degree either on-campus or online.

Learning Options

Part-time - Yes
On-Campus - Yes
Distance - All courses are available through distance education
Program Start Date – September, January, May

Admission Requirements

1. B.C. Grade 12 or mature student status
2. C+ in either Foundations Math 12 **or** Pre-Calculus Math 12 **or** C+ in Principles Math 12 **or** TRU MATH 0610 or equivalent
3. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years); or level 5 on the compositions section of the Language Proficiency Index (LPI), with all other categories of the LPI at a minimum of 70% (within the last 2 years); or satisfactory completion of the TRU English Assessment (ACCUPLACER) at the university entrance level; or completion of ENGL 0600 with a grade of C+ or better; or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better
4. Completion of the Administrative Assistant Certificate or equivalent one-year certificate program.

Laddering

Graduates of an office administration certificate can ladder into the Executive Assistant Diploma and receive a block transfer of 15 credits for the courses taken in the certificate. Diploma graduates can in turn ladder into the Bachelor of Business Administration degree and complete the degree in as little as three years.

Program Requirements

Second Year	
Fall Semester	
CMNS 1290	Introduction to Professional Writing
MNGT 1710	Introduction to Business
ORGB 2180	Organizational Behaviour
ACCT 2210	Financial Accounting
MNGT 2610	Management Information Systems
Winter Semester	
ACCT 2250	Management Accounting
MKTG 2430	Marketing
MNGT 3710	Business Ethics in Society
HRMN 2820	Human Resource Management
BLAW 2910	Commercial Law

Students must achieve a grade of C- or better in all courses to graduate.

Program Contact

Academic Advising, Student Services
www.tru.ca/business
SoBEDAdvisor@tru.ca
250.852.7635

Administrative Assistant Certificate

Program Overview

The Administrative Assistant Certificate is an eight-month, office administration program designed to prepare students for employment in a wide range of positions in business.

Successful graduates will possess excellent communication skills, be team players, and have a positive attitude. They will be flexible and be able to work on their own initiative. Administrative assistants are creative and have the ability to solve problems and exercise good judgment. They will be proficient in a variety of software applications and possess a good knowledge of the business environment. As key employees in an organization, administrative assistants need to keep current and be ready to take on new responsibilities.

After completing the Administrative Assistant Certificate, graduates can pursue the Certified Administrative Professional (CAP) designation or ladder into the Executive Assistant Diploma and then possible a business degree either on-campus or online.

Those who complete just the Fall Semester courses will be awarded a Business Fundamentals Certificate. This will qualify graduates for some entry-level office administration positions, but further study is recommended.

Learning Options

Part-time - Yes
On-Campus - Yes
Distance - All courses are available by distance education through BC Campus
Program Start Date – September

Admission Requirements

Educational Requirements

1. BC Grade 11 (Grade 12 preferred) or mature student status

General Requirements

1. Minimum keyboarding speed of 25 net words per minute
2. Satisfactory achievement on the AccuPlacer Test or Completion of ENGL 0600 with a B or better or English 12/English 12 First Peoples with a minimum of 67% (within the last 5 years)

Laddering

Graduates of the Administrative Assistance Certificate can ladder into the Executive Assistant Diploma and receive a block transfer of 15 credits for the courses taken in the certificate. Diploma graduates can in turn ladder into the Bachelor of Business Administration and complete the degree in as little as three years.

Program Requirements

Fall Semester (September to December)	
ABTS 1100	Word Processing 1
ABTS 1140	Keyboarding 2
ABTS 1200	Introduction to Computers
ABTS 1210	Spreadsheets 1
ABTS 1230	Databases
ABTS 1300	Business Communications 1
ABTS 1400	**Financial Accounting**
ABTS 1500	Human Relations
Winter Semester (January to April)	
ABTS 1110	Word Processing 2
ABTS 1120	Desktop Publishing
ABTS 1140	Keyboarding 2
ABTS 1220	Spreadsheets 2
ABTS 1240	Presentation Software
ABTS 1250	Integrated Project
ABTS 1260	Web Site Maintenance and Design
ABTS 1310	Business Communications 2
ABTS 1410	Computerized Accounting-Simply
ABTS 1510	Job Search
ABTS 1520	Practicum
ABTS 1530	Administrative Procedures

Students must achieve a grade of C or better (vocational program grading scale) in all courses to graduate.

Program Contact

Community U
250.828.5272

Business Foundations Certificate

Program Overview

The Business Foundations Certificate is a one-year program that focuses on students who can only attend classes for a short period of time or want to earn a business credential quickly to help them secure an entry-level accounting or administrative position or advance at work. It is expected that most graduates will continue their studies or return to school at a later date to complete a business diploma or degree either on-campus or online.

Learning Options

Part-time – Yes
On-Campus - Yes
Distance – All courses are available through distance education
Program Start Date – September, January, May

Admission Requirements

1. B.C. Grade 12 or mature student status
2. C+ in either Foundations Math 12 **or** Pre-Calculus Math 12 **or** C+ in Principles Math 12 (**or** TRU MATH 0610 or equivalent
3. English 12/English 12 First Peoples with a minimum of 73% (with the government exam within the last 5 years); or level 5 on the compositions section of the Language Proficiency Index (LPI), with all other categories of the LPI at a minimum of 70% (within the last 2 years); or satisfactory completion of the TRU English Assessment (ACCUPLACER) at the university entrance level; or completion of ENGL 0600 with a grade of C+ or better; or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better;

Students may commence their studies while they upgrade their English and Mathematics.

Program Requirements

First Year	
Fall Semester	
MATH 1070 MATH 1100	Mathematics for Business and Economics **or** Finite Mathematics with Applications
ENGL 1100	Introduction to University Writing
MNGT 1710	Introduction to Business
ECON 1220 ECON 1900	Introduction to Basic Economics **or** Principles of Microeconomics
ACCT 2210	Financial Accounting
Winter Semester	
ECON 1900 ECON 1950	Principles of Microeconomics **or** Principles of Macroeconomics
CMNS 1290	Introduction to Professional Writing
ACCT 2280	Accounting Software Systems
MIST 2610	Management Information Systems
ORGB 2810	Organizational Behaviour

Students must achieve a grade of C- or better in all courses to graduate. Those who plan on pursuing the Bachelor of Business Administration are recommended to take MATH 1070, ECON 1900, and ECON 1950.

Laddering

Graduates of the Business Foundations Certificate can ladder into the Accounting Technician or Management Diplomas or directly into the Bachelor of Business Administration degree. They will receive full credit for the courses taken in the certificate and can complete a diploma in as little as one year and the degree in as little as three years.

Program Contact

Academic Advising, Student Services
www.tru.ca/business
SoBEDAdvisor@tru.ca
250.852.7635

Faculty of Human, Social and Educational Development

Master of Education Degree

The TRU Master of Education program offers a research or course-based degree in educational leadership, curriculum, or counseling. Designed for the working professional involved in education, training or employee development, the MEd is a cohort-based program with an anticipated completion time of 12 months for full-time students and 30 months for part-time students. Courses are delivered in intensive weekends and short summer sessions. Graduates receive a master of Education (MEd) degree.

Program Overview

Experiential learning is at the heart of the TRU MEd. Students participate in classroom discussions and readings, guided inquiry, and independent study. Analyzing information, utilizing data in professional settings, and exploring various methods of research presentation are all key components of the program.

Master of Education qualifies for Teacher Qualification Service (TQS) category 6. Class sizes are small and the program's professors are drawn from a range of professional fields. Program graduates, who work in a variety of roles in education, health care, private industry and government, are educational leaders and capable researchers.

Admission Requirements

Applicants must be graduates of a four-year baccalaureate degree or equivalent, with a minimum GPA of 3.00.

Application Process

Contact Grad Admissions at gradadmissions@tru.ca or 250.828.5402 for an Admission Requirements Package.

Applications must include:

1. Resume
2. Letter of intent. Letter of intent should address:
3. Applicant's motivation for undertaking the MEd program;
4. Applicant's expectations of the program in terms of impact on career and personal educational goals.
5. Official transcripts from all previous post-secondary education.
6. Two letters of reference. Letters of reference should address:
   - The suitability of the candidate for a rigorous program of academic studies that includes theory and practice related to educational leadership, curriculum or counselling, as well as research in an educational setting;
   - The candidate's ability to work effectively with colleagues;
   - Other comments that may assist the selection committee in making informed decisions.

Applicants to the Counselling stream will be interviewed.

Registration and Payment of Fees

Students are notified by the Office of Research and Graduate Studies of acceptance into the MEd program. Once admitted, a $500 commitment fee is required to reserve a place in the program. Students who do not pay their commitment fee will forfeit their reserved place in the program; those on the waiting list will be extended offers of admission.

Program Contact

Education Advisor
edadvising@tru.ca
250.377.6048

Program Requirements

The MEd is a 30-credit degree. Students must choose one of three streams:

- Educational Leadership
- Curriculum
- Counselling

The first stream, Educational Leadership, offers a choice of three exit options: thesis, project, or capstone course.

All MEd students take two core courses:	
EDUC 5010	Research Methods
EDUC 5040	Diversity: Constructing Social Realities
Educational Leadership:	
EDUC 5020	Philosophy and History of Education
EDUC 5400	Principles and Processes of Educational Leadership
EDUC 5420	Legal Issues in Education
EDUC 5440	Understanding and Managing Conflict
EDUC 5460	Educational Management
Curriculum:	
EDUC 5020	Philosophy and History of Education
EDUC 5030	Curriculum, Teaching, and Learning
There are three options for students taking the educational leadership or curriculum concentrations:	
Thesis-based:	
One Elective	3 Credits
EDUC 5070	Research Project Design
EDUC 5080	Thesis
Project-based:	
Two Electives	6 Credits
EDUC 5070 EDUC 5180	Research Project Design Research Project Implementation

Capstone-course based:	
Three Electives	9 Credits
EDUC 5280	Capstone Seminar
Counseling:	
EDUC 5500	Introduction to Counseling Skills
EDUC 5510	Theories in Counseling
EDUC 5520	Assessment and Evaluation in Counselling

EDUC 5550	Introduction to Secondary School Counseling
EDUC 5560	Career Counselling and Development
EDUC 5580	Field Experience in Counselling
EDUC 5280	Capstone Seminar

Bachelor of Social Work Degree

A four-year degree program, which includes two years of undergraduate study prior to admission to the BSW program. Students are admitted to the third year of the program with a minimum of 54 credits of academic coursework prior to admission. Graduates receive a Bachelor of Social Work (BSW) degree.

Learning Options

Full-time or Part-time Study

Full-time and part-time study is available in the BSW degree.

On-Campus

The BSW program is offered on the main campus of TRU in Kamloops.

Program Schedule

Students enter the program in the Fall semester. Most courses are offered in the Fall and Winter semesters, with some summer course offerings.

Program Overview

The TRU Bachelor of Social Work (BSW) program offers a nationally accredited degree that prepares students for a career as a professional social worker. The BSW degree is designed to build on the educational achievements and experiences of a wide range of students. Both diploma graduates and undergraduate students who have completed the necessary prerequisites may enter the program. Courses are offered on the Kamloops campus, and students can complete the program on a full-time or part-time basis.

The BSW program prepares competent generalist practitioners to provide service and leadership within regional, national, and global contexts to achieve social justice, respect for diversity, and social change. The program facilitates the development of knowledge, skills, and values necessary to work in collaborative and anti-oppressive ways. Students learn how to identify and eradicate barriers that prevent people from reaching their full potential. The program integrates and incorporates Aboriginal perspectives.

The BSW program is fully accredited by the Canadian Association for Social Work Education.

Field Experience

Two social work practica are required to complete the BSW degree and the program. Practicum placements are available in many different service areas including child and youth care, mental health, gerontology, clinical care, probation services, non-profit and profit agencies, contracted services, special projects, multicultural agencies, local First Nations organizations and government ministries.

Students in their third year complete practica in a wide range of social and health service agencies in Kamloops and outlying areas. Agencies are selected based on their potential to provide appropriate and relevant supervision, the best match with student interests and needs, and the ability to provide practical social work experience.

Fourth year students may complete practica at a distance from TRU. Our students have benefited from field experience across Canada and in other countries such as Mexico and India.

Due to new legislation every registered student who has a practicum/clinical placement involving work with children and/or vulnerable adults must undergo a Criminal Record Check (CRC) through the Criminal Record Review Program. Students will be informed of the CRC process during program information/ orientation sessions. Any CRC done outside of TRU will not be accepted and will result in additional cost to the student.

Program Options

Nicola Valley Institute of Technology Program
A joint TRU/NVIT BSW degree program is offered at NVIT in Merritt and Burnaby. This program provides students with an Aboriginal focus throughout their studies.

This degree is administered under an affiliation agreement between TRU and NVIT. Graduates receive a joint TRU/NVIT BSW degree.

Child Welfare Specialization
A specialization in child welfare is offered in the TRU BSW Program only. Students who take required courses in child welfare during their BSW program will graduate with a transcript notation indicating successful completion of the specialization.

Admission Requirements

The Bachelor of Social Work program admits approximately 60 full and part-time students to TRU and 15 students to each NVIT campus each fall.

To be eligible for admission to the Bachelor of Social Work program, applicants have a minimum of 54 credits of transferable coursework. The credit requirements for admission can be met by:

1. General university studies: At least 54 credits. This must include 3 credits of academic English composition (ENGL 1100 at TRU) or 6 credits of English literature, and SOCW2060 (formerly SOCW200A) and SOCW2120 (formerly SOCW200B) or equivalents.
2. Combined Human Service Program and general university courses: At least 54 credits. This must include 3 credits of Introduction to University Writing (ENGL 1100 at TRU) or 6 credits of English literature, and SOCW2060 and 2120 or equivalents, and a completed Human Service Worker Certificate or Diploma with a GPA of at least 2.67 (B-). Students with a certificate or diploma may receive up to 12 discretionary credits.

To obtain credit for entry to the BSW Program a minimum GPA of 2.33 (C+) on general university coursework is required. Applicants are advised that many social and health agencies used for field education practica require a criminal record search as a condition of placement.

The Bachelor of Social Work Degree Program recognizes that there are institutional processes and cultural differences that present barriers to some applicants in gaining equal access to programs. Given the program's commitment to diversity, equality, and social justice, twelve seats in the TRU BSW program are reserved each year for students from groups including, but not limited to, Indigenous people, persons from minority groups, sexually and gender varied persons, and persons with disabilities. Students admitted to these reserved seats must meet all requirements for admission to the TRU BSW program.

Credit for up to 25% (15 credits) of the BSW degree may be granted through Prior Learning Assessment and Recognition (PLAR). To be eligible for PLAR assessment, students must be admitted to the BSW program. To be awarded PLAR credit, applicants must demonstrate how their skills, knowledge and competencies match the learning offered in course(s) for which they seek credit. Students must register and pay for any PLAR credits. For TRU students please contact the BSW coordinator to register.

Admission Process

Admission to the TRU BSW Program is limited. Applicants with the highest ratings on grade point average, related experience, and the admission statement are offered admission first.

Admission to the BSW Program at NVIT is limited. Aboriginal applicants are given first consideration for admission. Applicants with the highest rating on grade point average and related experience are offered admission first. An individual or group interview may be required.

Transfer to TRU

Students may transfer up to 60 credits of acceptable study from any recognized college or university. Evaluation of transfer credit is done on an individual basis, except where formal transfer agreements are in place.

Program Requirements

Completion of the TRU and NVIT BSW degree requires 120 credits of study, including:

- a minimum of 48 credits in the liberal arts, social sciences and humanities
- a minimum of 60 credits in social work
- Students with a completed human service/social service certificate or diploma may be granted 12 block credits.
- Students in the TRU BSW program must maintain a sessional grade point average of 2.33 (TRU), or they may be required to withdraw from the program.
- Students are required to adhere to the BCASW Code of Ethics during their participation in this program.
- A criminal record check is now a requirement for all students registered in practicum placements.
- Internet access will be required of students in some social work courses, and for correspondence within the BSW Program.

Third Year

Students in the third year of study typically take required social work courses and a few Social Work or Arts electives chosen in consultation with the Program Coordinator. If TRU BSW students have not completed the human development requirement prior to admission, they may choose to complete SOCW 3550 in year three of the TRU BSW Program or PSYC 2130/2230 in the NVIT BSW Program.

Summer Semester

Students may decide to take courses and/or complete their third or fourth year practicum during the summer.

Fourth Year

TRU students in the fourth year will take the remaining required and elective Social Work courses chosen in consultation with the Program Coordinator.

Social Work Core Courses

SOCW 2060	Introduction to Social Work Practice
SOCW 2120	An Introduction to Social Welfare in Canada
SOCW 3000	Canadian Social Policy
SOCW 3010	Introduction to Social Work Research
SOCW 3040*	Social Work Field Practice I
SOCW 3060	Theory and Ideology of Social Work
SOCW 3530	Social Work Practice with Individuals
SOCW 3540	An Introduction to First Nations Issues and Human Services
SOCW 3550	Human Development
SOCW 4020*	Social Work Field Practice II
SOCW 4540*	Aboriginal Decolonizing Social Work Practice
** Pre-requisites are required to take these courses.*	

Social Work Core Courses - NVIT

SOCW 2060	Introduction to Social Work Practice
SOCW 2120	An Introduction to Social Welfare in Canada
SOCW 3010	Introduction to Social Work Research
SOCW 3040	Social Work Field Practice I

SOCW 3060	Theory and Ideology of Social Work
SOCW 3100	Aboriginal Life Cycles
SOCW 3110	Aboriginal Perspectives on Social Policy
SOCW 3530	Social Work Practice with Individuals
SOCW 3750	Cultural Immersion
SOCW 4020	Social Work Field Practice II
SOCW 4040	Ethical Practice in Aboriginal Communities
SOCW 4540	Aboriginal Decolonizing Social Work Practice
SOCW 4560	Decolonizing Practice II

Social Work Elective Courses

SOCW 3300	International Field Studies
SOCW 3570	Social Work, Law and Social Policy
SOCW 3590	Advanced Social Work Practice with Individuals
SOCW 3760	Child Welfare Practice
SOCW 4000	Policy in the Human Services
SOCW 4200	Family Violence and Social Work Practice
SOCW 4300	Sexual Orientation and Gender Expression
SOCW 4400	Social Work and Mental Health
SOCW 4500	Leadership Practice in Social Service Organizations
SOCW 4520	Educating for Social Change
SOCW 4550	Social Work Practice with Communities
SOCW 4600	Special Topics in Social Work
SOCW 4610	Social Work Practice With Groups
SOCW 4650	Older People, Aging and Society
SOCW 4660	Addictions and Social Work Practice
SOCW 4760	Family and Child Welfare Policy
SOCW 4770	Family Practice
SOCW 4780	Introduction to Disability Studies
SOCW 4800	International Social Work
SOCW 4900	Directed Studies

Program Contact

Chair, Social Work and Human Service
250.377.6248

BSW Program Coordinator
250.828.5187

Bachelor of Education (Elementary) Degree

The Bachelor of Education (Elementary) is a two-year program. Students are normally admitted after completing a bachelor's degree, although students are eligible for admission with a minimum of 90 credits acceptable to the School of Education.

Graduates receive a Bachelor of Education (BEd) degree.

Learning Options

Full-time or part-time study

Students are expected to complete the program on a full-time basis. However, a limited number of students may be admitted to complete the course work components of the program on a part-time basis. Applicants wishing to complete the program on a part-time basis will be considered under the same admission criteria as those applying for the program as full-time students. All practica, except Year 1 - Semester 1, must be completed on a full-time basis.

On-Campus

The program is offered on the Kamloops campus.

Program Start Date

Students enter the program in the Fall semester.

Program Overview

The Bachelor of Education (Elementary) program offers a combination of on-campus study and extensive school practicum experiences. While it is *recommended that applicants have a bachelor's degree* from another Faculty (typically Arts or Science), applicants will be eligible for admission with a minimum of 90 credits acceptable to the TRU School of Education, normally in Arts, Fine Arts, Mathematics, Science, Music, or Physical Education. Priority is not given to students who have completed a degree.

The BEd (Elementary) degree gives graduates the skills they need to pursue a career in elementary education. Graduates of the program meet the educational requirement for a Professional Teaching Certificate issued by the British Columbia Teacher Regulation Branch (TRB) certification is required to teach grades K-12 in B.C. public and independent schools.

Admission Requirements

Educational Requirements

1. 6 credits of English, including both literature and composition
2. 3 credits of Mathematics (not statistics)
3. 3 credits of Science in one of the following areas – Biology, Chemistry, Physics, Physical Geography, Geology/Earth Science, Environmental Studies, and Astronomy.
4. 3 credits of History or Geography
5. 18 credits of third- and fourth-year level courses in one or more teachable area – Art, Dance, Drama, Music, Language Arts, Mathematics, Computer Science, Physical Education, Science, and Social Studies (any combination of Anthropology, Canadian Studies, Economics, First Nations Studies, Geography, History, Political Science or Sociology)
6. 6 credits of Canadian Studies taken in Humanities or Social Sciences (may be included in 4 and 5 above)
7. 24 credits of course work in a subject area taught in British Columbia schools - Art, Biology, Business Education, Chef Instructor, Chemistry, Computer Science, Dance, Drama, Earth Science, English, First Nations Studies, French, General Science, Geography, German, History, Home Economics, Italian, Japanese, Korean, Mandarin, Mathematics, Music, Physical

Education, Physics, Punjabi, Russian, Social Studies, Spanish, Technology Industrial Ed. These 24 credits may include credits in Requirements 1 to 6, above.

8. A minimum GPA of 2.67 is required for consideration, but does not guarantee admission. Admission averages are calculated on a total of 33 credits, including 1 to 5 above.

Other Requirements

One hundred (100) hours minimum of relevant volunteer or paid experience working with groups of elementary school-aged children must be completed prior to admission into the program. A minimum of 25 of these hours are required to be in an elementary school setting**.**

A supplementary form included in the application package asks you to describe your volunteer experiences and to discuss how they have influenced your decision to become a teacher. We are interested in how you have made connections between your volunteer experiences and what you have learned about yourself as a potential teacher. All required coursework must be completed by the end of winter semester of the year in which application to the program is made. There will be NO EXCEPTIONS to this requirement.

Selection Process

When selecting students for the BEd program, the Admissions Committee considers: academic background and performance, experience with groups of elementary school-aged children, confidential statements from two referees, a letter of intent from the applicant, a spontaneous written composition, and personal interview. When assessing the candidate the factors are weighted as follows:

40% - GPA

60% - Other factors combined

Interview and Spontaneous Composition Writing Selection Process: All candidates who meet the basic requirements for the program will be interviewed by members of the faculty and practicing classroom teachers. The interview will last approximately 15 minutes and all candidates will be asked the same questions. Immediately prior to the interview, each candidate will be asked to write a spontaneous composition of approximately 500 words on a question pertinent to education.

Criminal Record: Students entering first year are required to complete a form verifying that they do not have a criminal record. The form will be mailed to students following acceptance to the program.

Designated Seats

Given our commitment to diversity, five seats are designated each year for students from groups including Aboriginals, persons of colour, gay and lesbian persons, and persons with disabilities. Students admitted to these designated seats must meet all the requirements for admission to the program.

Oral and Written English Requirement

A candidate may be asked to take the Test of Competence in Oral English as an admission requirement or at any time during the program. A student unable to pass the test will be asked to undertake remedial work in spoken English or will be required to withdraw from the program. If it becomes evident that the standard of written English is unsatisfactory, a student must be prepared to take a written test determined by the program faculty.

Application for Admission

Contact Admissions at 250.828.5093 or admissions@tru.ca for an Admissions Requirements Package, which contains required forms. Applications must include:

1. TRU Application Form, Letter of Intent, and Summary of Experience with Children.
2. Application Fee
3. Official transcripts from all post-secondary institutions other than TRU at which the applicant has studied.
4. Two referees who are qualified to attest to the applicant's suitability for teaching must send confidential statements directly to Admissions. Confidential statement forms are included in the Admissions Requirements Package.

Applications will not be considered until all required documents have been received. TRU transcripts do not need to be submitted. Consideration will be given to all applicants who meet the minimum admission requirements.

Transfer to TRU

Applicants who have completed educational requirements at other colleges or universities are considered on the same basis as students who have attended TRU. Students intending to transfer to TRU from other BC institutions should check the BC Transfer Guide www.bccat.bc.ca to ensure that courses taken will transfer. Students from other provinces will be assessed individually.

Offer of Acceptance

Students will be notified in writing of acceptance into the program. Once admitted, students are asked to pay a $500 commitment fee in order to reserve a place in the program. Students who do not pay the commitment fee will forfeit their place in the program.

The Registrar's Office will notify students in writing if they are placed on a waitlist. Those on the waitlist will be extended offers of admission when places become available.

Program Requirements

The BEd Elementary program extends over two academic years of two terms each. Courses and associated school experiences are completed in a specified sequence.

After completing all program requirements, candidates are awarded the Bachelor of Education (Elementary) degree and are eligible to apply for a Professional Teaching Certificate issued by the British Columbia Teacher Regulation Branch.

Year 1, Term 1

Course	Credits	Description

EDPR 3100	1 (44 hrs)	Practicum 1 (6 Wednesdays in October and November)
EDCO 3100	2	Communications 1
EDIE 3100	3	Child Development and Teaching
EDEF 3100	3	History of Education
EDLL 3100	3	Language and Literacy 1
EDMA 3100	3	Mathematics 1
EDPE 3100	3	Physical Education Methods
EDTL 3100	3	Teaching and Learning 1
Total	21	

Year 1, Term 2

Course	Credits	Description
EDPR 3200	2 (60 hrs)	Practicum 2 (final 2 weeks in Winter term)
EDLL 3200	3	Language and Literacy 2
EDMA 3200	3	Mathematics 2
EDSC 3200	3	Science Methods
EDSO 3200	3	Social Studies Methods
EDTL 3200	3	Teaching and Learning 2
EDEF 3200	3	Theoretical Frameworks of Education
Total	20	

Year 2, Term 1
(course-work begins after EDPR 4100)

Course	Credits	Description
EDPR 4100	3 (90 hrs)	Practicum 3 (3 weeks at September start)
EDHC 4100	2	Health and Career Education
EDIE 4100	3	Special Education
EDTL 4100	3	Teaching and Learning 3
EDVP 4100	2	Drama
EDVP 4110	2	Music
EDVP 4120	2	Visual Arts
EDSL 4200	2	ESL/Second Languages
Elective	3	See Below
Total	22	

Year 2, Term 2
Courses: (intensive 4 week session after EDPR 4200)

Course	Credits	Description
EDPR 4200	5 (300 hrs)	Practicum 4(10 weeks, beginning in January at school district opening dates)
EDEF 4200	1	School Organization
EDFN 4200	3	Teaching First Nations Children
EDCO 4200	1	Communications 2
Elective	3	See Below
Total	12	

Electives

Note: the Electives may vary from year to year
One Academic, Curriculum & Professional Elective to be taken in Year 2, Terms 1 & 2 selected from:

Course	Credits	Description
EDLL 4150	3	Children's Literature
EDPE 4150	3	Elementary Physical Education: Instruction
EDSC 4150	3	Environmental Education
EDSO 4150	3	Global Education
EDIT 4150	3	Information Technology Across the Curriculum
EDVP 4150	3	Music Curriculum and Instruction: Elementary
EDSC 4160	3	Problem Solving in Science and Mathematics
EDEF 4150	3	Social Foundations of Education: Gender and Education
EDEF 4160	3	Rural or Small Schools in British Columbia
EDIE 4150	3	Special Education: Specific Learning Disabilities
EDVP 4160	3	Arts and Media Literacy
Total program requirements: 75 credits.		

Practica

Students admitted to the BEd program are asked to identify preferred locations for the required three-week and ten-week school practica. Preferred locations must be within the TRU region. While efforts are made to place students at schools in their preferred locations, only a limited number of placements may be made in any one district. Students must be prepared to accept any placement in one of the seven partner school districts and to assume transportation and living costs.

Continuation Requirements

A candidate must normally have passed all courses prescribed for each term before advancing to courses, including practica, prescribed for the next term.

Withdrawal and Re-admission

Candidates who begin the Extended Practica (EDPR 4100 and EDPR 4200) are not permitted to drop these courses from their records. Those who do not complete the practica satisfactorily, and who qualify for neither a supplemental nor a deferred practicum, will be assigned a failing grade and will normally be required to discontinue or to withdraw from the program.

After one year, candidates required to discontinue may appeal to the School of Education for permission to re-enrol. Their appeal must include evidence of their having satisfied any conditions set at the time they were required to discontinue.

Candidates who withdraw from the program voluntarily will not be entitled automatically to return; each request for reinstatement will be considered by an Admissions Committee along with other applications.

Candidates who for any reason fail to complete all requirements of the program within a four year period will not be readmitted; they may, however, submit new applications for admission. If they are re-admitted, they may not receive advance credit for courses completed previously.

Program Contact

Education Advisor

250.377.6048

Bachelor of Education Degree (Elementary Specialization in Physical Education)

The Bachelor of Education (Elementary Specialization in Physical Education) is a three-year program. Students are normally admitted after their first two years of undergraduate studies. Graduates receive a Bachelor of Education (BEd) degree.

Learning Options

Full-time or part-time study

The BEd (Physical Education) is a full-time program. A limited number of students may be admitted to coursework on a part-time basis. However, all practica, except Term 1 in Year 2, must be completed on a full-time basis.

On-Campus

The program is offered on the Kamloops campus.

Program Start Date

Students enter the program in the Fall semester.

Program Overview

The TRU Bachelor of Education (Elementary Specialization in Physical Education) program offers a combination of on-campus study and extensive school practicum experiences. Students are normally admitted to this three-year program after their first two years of undergraduate studies. The first year includes eight physical education courses and two education courses on methods and instruction. In the second and third years of the program, students follow the same academic and practicum schedule as students in the Bachelor of Education (Elementary) program.

Admission to the Bachelor of Education **(Elementary Specialization in Physical Education)**

Educational Requirements

Applicants will be eligible for admission with a minimum of 60 credits acceptable to the School of Education, with a focus in the area of Physical Education.

1. 6 credits of English, including both literature and composition
2. 3 credits of Mathematics (not statistics)
3. 6 credits of Biology 159-169
4. 3 credits of History or Geography
5. 12 credits of Physical Education including:
   - PHED 1000 Biomechanics Analysis of Performance in Individual sports
   - PHED 2130 Sport in Canadian Society
   - PHED 1230 Active Health and Wellness
   - PHED 2150 Exercise Physiology
6. 3 credits of Canadian Studies taken in Humanities or Social Sciences (may be included in 4 above)

A minimum GPA of 2.67 is required for consideration, but does not guarantee admission. Admission averages are calculated on a total of 30 credits, including 1 to 5 above.

Other Requirements

One hundred (100) hours minimum of relevant volunteer or paid experience working with groups of elementary school-aged children must be completed prior to admission into the program. A minimum of 25 of these hours are required to be in an elementary school setting. A supplementary form included in the application package asks you to describe your volunteer experiences and to discuss how they have influenced your decision to become a teacher. We are interested in how you have made connections between your volunteer experiences and what you have learned about yourself as a potential teacher. All required coursework must be completed by the end of winter semester of the year in which application to the program is made. There will be NO exceptions to this requirement.

Selection Process

Five students are admitted to the program each year. When selecting students for the program, the Admissions Committee considers academic background and performance, experience with groups of elementary school-aged children, letters from two referees, a letter of intent from the applicant, and a spontaneous writing assignment and personal interview.

When assessing the candidate the factors are weighted as follows:

40% - GPA

60% - Other factors combined

Interview and Spontaneous Composition Writing Selection Process: All candidates who meet the basic requirements for the program will be interviewed by members of the faculty and practicing classroom teachers. The interview will last approximately 15 minutes and all candidates will be asked the same questions. Immediately prior to the interview, each candidate will be asked to write a spontaneous composition of approximately 500 words on a question pertinent to education.

Criminal Record

Students entering first year are required to complete a form verifying that they do not have a criminal record. The form will be mailed to students following acceptance to the program.

Designated Seats

Given our commitment to diversity, a number of seats may be designated each year for students from groups including Aboriginals, persons of colour, gay and lesbian persons, and persons with disabilities. Students admitted to these designated seats must meet all the requirements for admission to the program.

Application for Admission

Applications must include:

1. TRU Application Form
2. Letter of Intent
3. Summary of Experience with Children
4. Application Fee
5. Official transcripts from all post-secondary institutions other than TRU at which the applicant has studied. Photocopies of transcripts are not acceptable.
6. References: Two referees who are qualified to attest to the applicant's suitability for teaching must send confidential statements directly to Admissions. Confidential statement forms are included in the Admissions Requirements Package.

Applications will not be considered until all required documents have been received. TRU transcripts do not need to be submitted.

Oral and Written English Requirement

A candidate may be asked to take the Test of Competence in Oral English as an admission requirement or at any time during the program. A student unable to pass the test will be asked to undertake remedial work in spoken English or will be required to withdraw from the program. If it becomes evident that the standard of written English is unsatisfactory, a student must be prepared to take a written test determined by the program faculty.

Transfer to TRU

Applicants who have completed educational requirements at other colleges or universities are considered on the same basis as students who have attended TRU. Students intending to transfer to TRU from other BC institutions should check the BC Transfer Guide at www.bccat.bc.ca to ensure the courses taken will transfer. Students from other provinces will be assessed individually.

Program Requirements

Year 1 Fall Semester (15 Credits)

Course	Credits	Description
PHED 2000	3	The Analysis of Performance of Team Activities and Sports from Pedagogical and Coaching Perspectives
PHED 2210	3	The Dynamics of Motor Skill Acquisition
PHED 4350	3	Fitness Assessment and Exercise Prescription
EDPE 3100	3	Methods in Physical Education
	3	PHED Activity Elective

Year 1 Winter Semester (15 credits)

Course	Credits	Description
PHED 3000	3	Service and Learning Project
PHED 3450	3	Contemporary Issues in Health and Physical Activity
PHED 2480	3	Physical Growth and Motor Development
EDPE 4150	3	Senior Instruction in Elementary Physical Education
	3	PHED Elective

Year 2 Fall Semester (18 credits)

Course	Credits	Description
EDCO 3100	2	Communications 1
EDIE 3100	3	Child Development and Teaching
EDEF 3100	3	History of Education
EDLL 3100	3	Language and Literacy
EDMA 3100	3	Mathematics I
EDTL 3100	3	Teaching and Learning
EDPR 3100	1	Practicum I

Year 2 Winter Semester (22 credits)

Course	Credits	Description
EDSO 3200	3	Social Studies Methods
EDSC 3200	3	Science Methods
EDEF 3200	3	Theoretical Frameworks of Education
EDLL 3200	3	Language and Literacy II
EDMA 3200	3	Mathematics II
EDTL 3200	3	Teaching and Learning II
EDPR 3200	2	Practicum II

Year 3 Fall Semester (20 credits)

Course	Credits	Description
EDHC 4100	2	Health and Career
EDIE 4100	3	Special Education
EDVP 4100	2	Drama
EDVP 4110	2	Music
EDVP 4120	2	Visual Arts
EDSL 4200	2	Second Language Learning
PHED	3	Senior Phys Ed or Education Elective
EDTL 4100	3	Teaching and Learning III
EDPR 4100	3	Practicum III

Year 3 Winter Semester (12 credits)

Course	Credits	Description
EDEF 4200	1	School Organization
EDFN 4200	2	Teaching First Nations
EDCO 4200	1	Communications II
	3	Education Elective
EDPR 4200	5	Practicum IV

Practica

Students admitted to the BEd program are asked to identify preferred locations for the required three-week and ten-week school practica. Preferred locations must be within the TRU region. While efforts are made to place students at schools in their preferred locations, only a limited number of placements may be made in any one district. Students must be prepared to accept any placement in one of the seven partner school districts and to assume transportation and living costs.

Withdrawal and Re-admission

Candidates who begin the Extended Practica (EDPR 4100 and EDPR 4200) are not permitted to drop these courses from their records. Those who do not complete the practica satisfactorily, and who qualify for neither a supplemental nor a deferred practicum, will be assigned a failing grade and will normally be required to discontinue or to withdraw from the program.

After one year, candidates required to discontinue may appeal to the School of Education for permission to re-enrol. Their appeal must include evidence of their having satisfied any conditions set at the time they were required to discontinue.

Candidates who withdraw from the program voluntarily will not be entitled automatically to return; each request for reinstatement will be considered by an Admissions Committee along with other applications.

Candidates who for any reason fail to complete all requirements of the program within a four year period will not be readmitted; they may, however, submit new applications for admission. If they are admitted, they will receive no advance credit for courses completed previously.

Continuation Requirements

A candidate must normally have passed all courses prescribed for each term before advancing to courses, including practica, prescribed for the next term.

Offer of Acceptance

Students will be notified in writing of acceptance into the BEd program. Once admitted, students are asked to pay a $500 commitment fee in order to reserve a place in the program. Students who do not pay the commitment fee will forfeit their place in the program.

Students will be notified in writing if they are placed on a waitlist for the program. Those on the waitlist will be extended offers of admission when places become available.

Program Contact

Education Advisor
250.377.6048

Chair, Physical Education Department
250.828.5281

www.tru.ca/education

Physical Education Transfer Program

Students interested in majoring in Physical Education may complete first and second year courses at TRU for transfer to other institutions.

Courses offered are a combination of activity and theory courses.

Transfer information specific universities can be found in the B.C. Transfer Guide www.bccat.bc.ca. It is recommended that students consult with an Academic Advisor at TRU to plan an appropriate course schedule.

Students should be aware that acceptance at each university is based on grades, suitability and other criteria specific to each university. You are advised to consult with the particular university or again, our Academic Advisors who can also assist you in making this choice.

Early Childhood Education Diploma

An undergraduate program which is normally completed full-time in three semesters. A limited number of students may complete the program on a part-time basis over five semesters. Graduates receive an Early Childhood Education Diploma.

Learning Options

Full-time or part-time study

Students are expected to complete the program on a full-time basis. A limited number of students may also be admitted to the program to study on a part-time basis.

On-Campus

The program is offered on the Kamloops campus.

Program Start Dates

Students enter the program in the Fall semester.

Program Overview

The TRU Faculty of Human, Social and Educational Development offers the following Early Childhood Education (ECE) programs:

- Early Childhood Education Diploma
  (Full time & part time options available)
- Special Needs Educator Certificate (Post Diploma)
- Infant and Toddler Educator Certificate (Post Diploma)

The Early Childhood Education Diploma program provides an exemplary model of innovative practice and opportunities for classroom-based research so that students can acquire the necessary knowledge and skills to become effective educators of young children. Areas of learning include: developing relationships with children, child development, child guidance, interpersonal relations, educational theories, designing and developing curriculum content, reflective practice, working with families, and program management. Practical fieldwork experience is a component of each semester. By consolidating a personal philosophy toward early childhood care and education, graduates are able to work effectively with co-workers and children to co-construct rich learning opportunities and become strong advocates for children and families.

Innovative Practicum Model

In addition to placing students in a variety of community early childhood education centers, the ECE program partners with Cariboo Child Care, a non-profit society located on campus, to provide a valuable and practical learning opportunity for students. Students work with the same group of children throughout the practicum and assume increasing responsibilities for programming. This model provides instructors with continuous opportunities to give feedback on student performance, and allows students to:

- Develop long-term relationships with children, allowing for individualization of guidance and program strategies.
- Connect practice with course work.
- Engage in applied research in curriculum development and documentation of the learning process.

The Infant and Toddler Educator post diploma certificate provides ECE graduates with the advanced skills and knowledge to work with children under the age of three. Areas of learning include: infant and toddler development, critical reflection, creating developmentally appropriate learning experiences for infants and toddlers, the ECE's professional role and skills to support families. Students have the opportunity to connect theory and practice in two practica.

The Special Needs Educator post diploma certificate provides ECE graduates the opportunity to continue their studies with a focus on children with individual differences. Areas of learning include: child development, supporting children's social skills, programming for individual children, critical reflection, working with a team of educators and other professionals to facilitate inclusion, the ECE's professional role and skills to support families. Students have the opportunity to connect theory and practice in practicum.

Licence to Practice

Completion of the ECE diploma satisfies the requirements of the BC Ministry of Children and Family Development ECE Registry for a Licence to Practice as an Early Childhood Educator. This program does not, by itself, qualify a person to teach in a kindergarten that is part of a public school system.

Please note: The ECE Registry requires 500 hours of work experience under the supervision of a licensed Early Childhood Educator in order to qualify for a Licence to Practice as an Early Childhood Educator. Many of these hours can be completed between the second and third semesters as either volunteer or paid assistant in an early childhood setting.

Assistant Status

ECED 1320 and ECED 1330 fulfill the requirements for the province's new Assistant Status designation. Please contact 250.377.6087 to discuss applying for these courses.

Admission Requirements

Contact Admissions for an Admission Requirements package. The Admission Requirements package gives full details of requirements and contains required forms.

www.tru.ca/admissions

Educational Requirements

1. BC Grade 12 OR Mature Student Status
2. BC English 12 **or** English 12 First Peoples with a minimum of ***73% (with the government exam within the last 5 years)***; or level **(5)** on the composition section of the *Language Proficiency Index* **(LPI)**, with all other categories of the LPI at a ***minimum of 70% (within the last 2 years);*** or LPI level **(4)** ***if completed between October 1, 2011 and October 1, 2013*****;** or satisfactory completion of TRU English Assessment **(ACCUPLACER)** test at university entrance level; or completion of TRU ENGL 0600 **(B)** minimum grade or completion of ESAL 0570 & ESAL 0580 with a **(C+)** min

Specific Requirements

See the Admission Requirements package for details on requirements.

- Record of volunteer or work experience indicating that at least 50 hours have been completed in a licensed group, pre-

school or childcare facility under the supervision of a qualified Early Childhood Educator
- Valid First Aid certificate
- Valid Food Safe certificate
- ECE Information forms
- Readiness Interview with faculty from the ECE program

Following Acceptance to the Program
After acceptance into and before commencement of the program, applicants will be required to submit:

- Authorization for criminal records review
- Physical examination form
- Student immunization record

Prior Learning Assessment and Recognition (PLAR)

PLAR is a concept that permits the student to earn credit for post-secondary level knowledge regardless of where or how the learning occurred. A student may be assessed for prior learning for some of the courses in the ECE program. Applicants must meet all program prerequisites, and be admitted to the program prior to applying for PLAR. Please see the program coordinator for more information about PLAR.

Students may be granted credit for equivalent courses completed at other post-secondary institutions. The student is required to discuss the possibility of transfer credit with the program coordinator as soon as possible after being accepted into the program. Supplementary information may be required in order to determine if advanced standing can be granted.

Infant/Toddler Educator Post-Diploma Certificate

Graduates of the Early Childhood Education program may choose to continue their studies for one semester so that they can work with infants and toddlers in licenced settings. Completion of the post-diploma certificate satisfies the requirements of the ECE Registry Services for a Licence to Practice as an Infant/Toddler Educator in British Columbia.

Note: This program runs on alternate years with the Special Needs Educator Post-Diploma Certificate program.

Students not having obtained an Early Childhood Education Certificate/Diploma at TRU may be required to take a 1st Year University Level (3) credit English if Official Transcripts indicate the course or equivalent has not been completed.

Special Needs Educator Post-Diploma Certificate

Graduates of the Early Childhood Education program may choose to continue their studies for one semester so that they can work with children with special needs in licensed settings. Completion of the post-diploma certificate satisfies the requirements of the Community Care Facilities Branch (CCFB) Services for a License to Practice as a Special Needs Educator in British Columbia.

Note: This program runs on alternate years with the Infant/Toddler Educator Post-Diploma Certificate program.

Laddering into other Programs

Students who have completed the ECE Diploma may choose to continue studying for one additional semester and receive the Infant/Toddler Educator Post-Diploma Certificate, or the Special Needs Educator Post-Diploma Certificate. Graduates of the diploma program can also ladder into the Bachelor of Education (BEd) or Bachelor of Interdisciplinary Studies (BIS).

Practicum Costs

Students are required to bear the costs of travel to and from practicum placements. All attempts will be made to accommodate students without vehicles in practicum sites that are accessible by local public transportation.

Program Requirements

Year 1 - Semester 1: September - December	
ECED 1200	Practicum 1 (L)
ECED 1320	Child Guidance (L)
ECED 1340	Interpersonal Relations – Communications
ECED 1350	Introduction to Program Planning (L)
PSYC 2130	Introduction to Developmental Psychology I
Year 1 - Semester 2: January -April	
ECED 1300	Practicum 2 (L)
ECED 1330	Child Health
ECED 1360	Curriculum Development (L)
ECED 1440	Interpersonal Relations – Helping Interactions
PSYC 2230	Introduction to Developmental Psychology II
Year 2- Semester 3: September - December	
ECED 2200	Practicum 3 – Demonstration (L)
ECED 2350	Advanced Program Development (L)
ECED 2440	Interpersonal Relations – Working with Families
ECED 2490	Administration of Early Childhood Education Centres
ENGL 1100	Introduction to University Writing
Early Childhood Education Diploma British Columbia License: Early Childhood Educator (after 500 hours experience)	
Post-Diploma Certificate	
Special Needs Educator – Alternate Years	
Year 2- Semester 4: January – April	
ECED 3300	Field Programming for Individual Children (L)
ECED 3310	Child Growth and Development – Individual Differences (L)
ECED 3350	Programming for Individual Children (L)
CMNS 2290	Professional Business and Technical Writing
Infant and Toddler Educator – Alternate Years	
Year 2- Semester 4: January – April	
ECED 3400	Infant and Toddler Field Experience (L)
ECED 3410	Development and Care of Infants and Toddlers (L)
ECED 3450	Program Development for Infants and Toddlers (L)
CMNS 2290	Professional Business and Technical Writing

Promotion Policy

In order to progress to the next semester in the Early Childhood Education program, and be eligible for a TRU diploma or certificate, students must successfully complete all of the program courses. In the event a student receives a failing grade in a course, they will require an interview with the program coordinator to determine their ongoing status in the program. Students that receive a grade point average of less than 2.5 in any given semester will require an interview with the program coordinator to determine if part time study may be appropriate.

Promotion Policy – Practicum

Students must receive a mark of 'complete' in Year 1 practica in order to progress in the program. Students must receive a mark of 'C' in Year 2 practica in order to graduate. Failure in any practicum precludes a student from continuing in the Early Childhood Education program.

Failures and Repeats

Failing or withdrawing students should recognize there is no guarantee they will be allowed to repeat. A student who has failed and who re-applies for admission to ECED will be regarded as a repeating student unless he/she can show cause for being treated as a new student.

When the number of repeating student applicants for a course in the program exceeds the number of available seats, the student(s) admitted would be those who achieved the highest cumulative GPA over courses listed in the program matrix. To assess the currency of practical skills, the department may require potential repeating students to repeat courses in which they previously received credit. In order for a student who fails a field work practicum to be eligible for repeating it, the student will need to provide information that confirms his/her readiness to complete the practicum. Students are strongly advised to make their request to repeat a practicum in writing to the program coordinator, three months in advance of the beginning of the practicum in order to make the necessary arrangements.

All repeated courses and practica must be successfully completed within one calendar year of the exit from the program for the student to qualify for their diploma or certificate.

A student who receives a failing grade in a course for not meeting objectives related to the professional principles or professional conduct, may be refused re-admission to the program.

Program Contact

ECE Program Coordinator
250.377.6087

Human Service Diploma Program - Kamloops Campus

A two-year (four semester) program. Graduates receive a Human Service Diploma (HSD).

Learning Options

Full-time Study

The Human Service Diploma program requires full-time attendance. Part-time study is available in exceptional circumstances only and must be discussed with the Chairperson prior to applying.

On-Campus

The Human Service diploma program is offered on both the Kamloops and Williams Lake campuses. For details on the Williams Lake program, see Human Service Diploma - Williams Lake.

Program Start Date

Fall semester

Program Overview

The Human Service Diploma prepares students for careers with agencies that provide support and assistance to individuals coping with economic disadvantage, mental health issues, developmental, gender and diversity issues, as well as challenges such as addiction, family change and involvement with the justice system.

Admission Requirements

Year One Entry

General Requirements

1. Canadian citizenship or, for those not born in Canada, Permanent Resident status.
2. 19 years of age as of December 31 of the fall semester.
3. Two letters of reference (forms included in Admission Requirements package).

Educational Requirements

1. BC Grade 12 or Mature Student Status
2. English 12 /English 12 First Peoples with a73% (written within the last 5 years) or, Level 5 on LPI (within the last 2 years) or, Completion of English 0600 with a grade of C+ or better.

To apply, students must submit:

- Official transcripts from all previous secondary and post-secondary educational record.
- Proof of citizenship or Landed Immigrant status required if applicant not born in Canada.
- Two letters of reference (on admission package forms only). At least one letter of reference must be from employers, volunteer supervisors or community professionals that comment on the applicant's suitability for, or performance in human service work. Reference letters must be less than two (2) years old at date of application to the program and must include the referee's phone number.
- Application form and fee

Orientation Session

It is recommended that successful applicants attend an orientation session. Topics covered include program information, costs and career opportunities. Applicants will be notified of the date and time of the orientation session by mail by admissions staff. This session will be approximately two hours.

Criminal Record Check

Applicants will be required to undergo a criminal record check for fieldwork purposes once accepted to the program. Practicum agencies reserve the right to refuse acceptance of practicum students with a criminal record. This may impair a student's ability to successfully complete the Human Service Program.

Applicants are asked to refer to the admission information package for further details.

Year Two Entry

The following requirements are for *new* applicants to Year Two of the Human Service Diploma only. Those students who have successfully completed Year One of the TRU Human Service Diploma and are continuing on to complete Year Two do not need to meet the following entry requirements**.**

Applications will be accepted for Year Two entry into the Human Service Diploma program based on the availability of remaining seats in the program. Priority will be given to qualified students currently enrolled in Year One of the TRU Human Service Diploma program.

Educational Requirements

- Successful completion of:
- Early Childhood Education Diploma
- Community and School Support Certificate
- Social Services Certificate
- Other related certificates considered on an individual basis.
- Minimum GPA of 2.67 (B-) or equivalent from another college or university in an equivalent program of study.

Documentation Requirements

- Official transcripts of all previous secondary and post-secondary educational record.
- Proof of citizenship or Landed Immigrant status required if applicant not born in Canada.
- Two letters of reference (on admission package forms only). At least one letter of reference must be from employers, volunteer supervisors or community professionals that comment on the applicant's suitability for, or performance in human service work. Reference letters must be less than two (2) years old at date of application to the program and must include the referee's phone number.
- It is recommended that applicants have approximately 200 hours of experience (volunteer or paid) related to the human service field.

Applicants who are currently in the TRU Social Services (OL), Community & School Support, Education Assistant, Community Support, or Early Childhood Education Programs who meet the GPA minimum requirement of 2.67 do not need to resubmit references.

Application Readiness

Applicants are encouraged to meet academic requirements beforehand. Because assignments are likely to be requested in typed format, basic keyboarding skills/computer literacy skills prior to entry are strongly recommended.

Laddering Credit from other Programs

Graduates from the Community and School Support Certificate can ladder directly into Year Two of the Human Service Diploma program. Admission is conditional on a GPA of 2.67 (B-).

Transfers to TRU

Students may be granted credit for equivalent courses completed at other accredited post-secondary institutions or at TRU. The student must discuss the possibility of transfer credit with the human service program coordinator as soon as possible after being accepted into the program.

Field Experience

The Human Service Diploma program includes a field work practicum in both years. Year one is a blended service learning model where students work in teams on a community project. In year two, students focus on individual practice. Practicum placements are offered in many different service areas, such as non-profit social service agencies, government agencies, community centres, correctional or residential programs and women's agencies.

Program Requirements

Human Service Diploma Required Courses:

Year 1	
ENGL 1100	Introduction to University Writing
PSYC 2130	Intro to Developmental Psychology: Childhood and Adolescence
HUMS 1540	Interpersonal Communications and Helping Relationships
HUMS 1580	Introduction to Professional Human Service Practice
HUMS 1770	Intro to First Nations Studies and Human Service Practice
PSYC 2230	Introduction to Developmental Psychology: Adulthood and Aging
HUMS 1560	Family and Marriage
CYCA 2000	Introduction to Professional Foundations of Child & Youth Care
HUMS 2060	An Introduction to Social Service Practice
HUMS 1600	Field Work Education
Year 2	
CMNS 2290	Professional Business & Technical Writing
HUMS 2220	Theoretical Foundations in Human Service Practice
HUMS 2530	Self and the Helping Relationship
CYCA 2620	Introduction to Self in Groups
HUMS 2600	Human Service Diploma Practicum
HUMS 3530	Guided Communications
HUMS 3570	Law and Social Services

HUMS 2120	Introduction to Social Welfare in Canada
HUMS 2500	Special Topics
SOCI 2160	Family in Cross-Cultural Perspective

Offer of Acceptance

Students are notified by Admissions once accepted into the program and will receive registration information once admittance has been finalized.

Once admitted, students should be prepared to pay a $500 commitment fee. The $500 commitment fee will be applied as a deposit toward tuition, with the balance of fees owing due prior to the start of the program.

Program Policies

Promotion

The Human Service Diploma will be granted upon successful completion of all program courses. Some Fall semester courses are prerequisites for courses in the Winter semester. In the event a student receives a failing grade in a Fall semester course, they may advance to Winter semester courses, except those with prerequisite requirements which have not been met.

See the Program Policy in the Human Service Student Handbook.

Failures and Withdrawals

Students who fail or withdraw are not guaranteed the opportunity to repeat the course. The program's ability to respond to requests to repeat courses will depend upon the number of spaces available after the current full time students have been accommodated.

A student who fails a course(s) will be required to repeat the course(s) within one calendar year. A failed course can only be repeated in the semester in which it is offered in this program the following year. The diploma must be completed in four calendar years of start date.

Students must re-register for the course and pay the appropriate fees for any repeated courses.

Field Work

Students must receive a grade of 'C' or higher in Field Work in order to graduate.

A student who fails a field work course will be allowed to repeat this course when:

- the student provides information that confirms his/her readiness to successfully complete the course. The request to repeat a fieldwork course must be made in writing to the Chair of the Human Service department three months prior to the beginning of the course.
- there is an available practicum placement after the current, full time student's practicum placements have been accommodated.

The program will make a maximum of three attempts to place a student in a field work course. This policy applies if none of the available practicum agencies will accept that particular student or if the student is unwilling to negotiate with suitable agencies.

Graduation

Students successfully completing all course requirements will be awarded a TRU Human Service Diploma. See Program Requirements.

Students must receive an overall GPA of C+ to graduate.

Note: Students need to be aware of general department policies as noted in the Human Service Student Handbook and course outlines.

Laddering Credit into other Programs

Graduates from the Human Service Diploma are able to ladder credits into TRU's Bachelor of Social Work program. Prospective BSW applicants should contact the Social Work Department at 250.828.5364 or socialwork@tru.ca for more information.

Program Contact

Program Coordinator
250.371.5584

Education Assistant and Community Support Certificate

The Education Assistant and Community Support Certificate is an eight-month employment-ready program. Graduates receive an Education Assistant and Community Support Certificate.

Learning Options

Full-time Study

The Education Assistant and Community Support Certificate program requires full-time attendance for two semesters (eight months). Part-time study is available in exceptional circumstances only and must be discussed with the Program Coordinator prior to applying.

On-Campus

The certificate program is offered on the main campus in Kamloops. A selection of courses is offered at the Williams Lake Campus.

Program Start Date

Fall semester

Program Overview

The Education Assistant and Community Support Certificate prepares students for careers with agencies that provide support and service to children or adults with exceptionalities. Graduates of the program are able to assist individuals with specials needs to learn educational, social, vocational, recreational and personal life skills.

Field Experience

The Education Assistant and Community Support Certificate program includes a field work practicum in the Winter semester. Practicum placements are offered in many different schools and community agencies.

Admission Requirements

General Requirements

1. Canadian citizenship or Landed Immigrant status.
2. 18 years of age on or before December 31 of the fall semester.
3. Two letters of reference (forms are included in the Admission Requirements Package).
4. Immunization record (forms are mailed to applicants).

Educational Requirements

1. BC Grade 12 or Mature Student status
2. English Grade 12/English Grade 12 First Peoples with a 73% (within the last 5 years) or, Level 5 on the Language Proficiency Index (written within the last 2 years) or, Completion of English 0600 with a C+ or better or satisfactory completion of the TRU English Assessment (Accuplacer) at the university entrance level or completion of ESAL 0570 and 0580 with a grade of C+ or better, or equivalent.

Following Acceptance to the Program

Students are required to undergo a criminal record check for fieldwork purposes.

Limited Program

Admission is limited to 24 students.

Offer of Acceptance

Students are notified by Admissions once accepted into the program and will receive registration information once admittance has been finalized.

Once admitted, students should be prepared to pay a $500 commitment fee. The $500 commitment fee will be applied as a deposit toward tuition, with the balance of fees owing due prior to the start of the program.

Transfer to TRU

Transfer credit may be granted for equivalent courses completed at other recognized post-secondary institutions. Students must discuss the possibility of transfer credit with the Program Coordinator as soon as possible after being accepted into the program.

Program Requirements

Education Assistant and Community Support Certificate Required Courses:

Year 1 – Fall Semester	
ENGL 1100	Introduction to University Writing
EDCS 1580	Introduction to Professional Human Service Practice
EDCS 1640	Foundations of Education Assistant and Community Support Work
EDCS 1660	Health Care Principles
PSYC 2130	Introduction to Developmental Psychology: Childhood and Adolescence
Year 1 – Winter Semester	
EDCS 1680	Field Work
EDCS 1540	Interpersonal Communications and Helping Relationships
EDCS 1650	Understanding Behaviour: Learning for Independence
EDCS 1750	Alternate & Augmentative Communication
PSYC 2230	Introduction to Developmental Psychology: Adulthood and Aging

Program Policies

Promotion

The Education Assistant and Community Support Certificate will be granted upon successful completion of all program courses. Some Fall semester courses are prerequisites for courses in the Winter semester. In the event a student receives a failing grade in a Fall semester course, they may advance to Winter semester courses, except those with prerequisite requirements which have not been met.

- A student must receive a passing grade in EDCS 1580 in order to move on to EDCS 1680.
- A student must receive a passing grade in PSYC 2130 in order to move on to PSYC 2230.

Failures and Withdrawals

Students who fail or withdraw are not guaranteed the opportunity to repeat the course. The program's ability to respond to requests to repeat courses will depend upon the number of spaces available after the current full time students have been accommodated.

A student who fails a course(s) will be required to repeat the course(s) within one calendar year. A failed course can only be repeated in the semester in which it is offered in this program the following year. The certificate must be completed in two calendar years of start date. Students must re-register for the course and pay the appropriate fees for any repeated courses.

All program requirements must be completed within two (2) years of the student's starting the program.

Field Work

Students must receive a grade of 'C' or higher in Field Work (EDCS 1680) in order to graduate.

A student who fails a field work course will be allowed to repeat this course when:

- the student provides information that confirms his/her readiness to successfully complete the course.
- there is an available practicum placement after the current, full time student's practicum placements have been accommodated.

The request to repeat a fieldwork course must be made in writing to the faculty and advisor three months prior to the beginning of the course.

- EDCS 1580 - Introduction to Professional Human Service Practice by June 01
- EDCS 1680 - Field Work, by September 01

The program will make a maximum of three attempts to place a student in a field work course. This policy applies if none of the available practicum agencies will accept that particular student or if the student is unwilling to negotiate with suitable agencies.

Graduation

Students successfully completing all course requirements will be awarded a Certificate in Education Assistant and Community Support.

Note: Students need to be aware of general department policies as noted in the Education Assistant and Community Support Student Handbook and course outlines.

Laddering Credit into other Programs

Graduates from the Education Assistant and Community Support Certificate are able to ladder directly into Year Two of the Human Service Diploma program. Admission is conditional on a GPA of 2.67 (B-).

Program Contact

Program Coordinator
250.371.5584

Teaching English as a Second Language Certificate

A one-semester post-baccalaureate program. Graduates receive a Teaching English as a Second Language (TESL) certificate.

Learning Options

Full-time or Part-time Study

Students may complete the program full-time in one semester or part-time over a maximum of three semesters. Courses are scheduled in the late afternoon and early evening. This program has a limited seat capacity to a maximum of 20 students per semester.

On-campus

Courses are offered at the Kamloops campus.

Program Start Dates

Students may enter the program in the Fall or Winter semester.

Program Overview

TRU's Teaching English as a Second Language Post-Baccalaureate program is designed to prepare students to instruct in ESL programs both nationally and internationally. At the completion of this program, graduates will receive a TESL certificate from Thompson Rivers University.

This program is accredited by TESL Canada and qualifies students to also apply to TESL Canada for a TESL Canada level 1 (interim) certificate.

Our TESL certificate program is designed to provide a comprehensive course of study to prepare students to work in the ESL field nationally and internationally. The Teaching English as a Second Language program is delivered either in one semester full-time or a maximum of three semesters part-time at the TRU Kamloops campus and is certified by TESL Canada. It includes 195 instructional hours and also includes a 20-hour supervised practicum. The components of the program introduce students to the core topics of pedagogical grammar, curriculum design and instruction methodology, cross cultural communication, as well as to a variety of teaching modules such as Language Acquisition, Assessment and Pronunciation Skills, which promote currency in the field of ESL teaching.

Admission Requirements

a. Completion of a bachelor's degree from an English speaking university

b. Completion of a bachelor’s degree from a non-English speaking university will require the TOFEL score of 88 (iBT) with no section below 20 (or TRU accepted equivalent)

c. Admission interview

Program Requirements

The program consists of five courses:

TESL 3010	Curriculum and Instruction
TESL 3020	Pedagogical Grammar
TESL 3030	Intercultural Communication Studies
TESL 3040	TESL Techniques
TESL 3050	Practicum

A grade of B- or better in all TESL 3050 courses is required to complete this program. It is generally requested that part-time students complete the program within one year.

Students wishing advanced placement must comply with the prior learning requirements of Thompson Rivers University.

Program Contacts

TESL Coordinator
250.371.5642

Chair, English as a Second Language
250.371.5593

English as a Second Language

Learning Options

Full-time Study

Students study full-time.

On-campus

Courses are offered at the Kamloops campus.

Program Start Dates

Students may enter the program in September, January, or May.

Program Overview

The English as a Second Language (ESL) program is designed to provide specific language training appropriate for English as second language speakers who intend to proceed to post-secondary study. Successful completion of the program means that a student has a sufficient level of English language proficiency to successfully undertake studies at English speaking colleges or universities. The program provides five levels of study. Courses at each level focus on reading, grammar, writing, speaking and listening skills.

Students for whom English is not their first language are required to take appropriate ESL courses (excepting those who satisfy prerequisites for ENGL 1100).

Admission Requirements

Students are required to take a placement test (i.e., Accuplacer) to determine appropriate placement. The Accuplacer is given several times a year; contact the Assessment Centre for dates 250.828.5470.

Students whose test results put them at:

Level 1: are considered full time ESL students. The curriculum consists of one semester of fulltime ESL study. On successful completion, students proceed to Level 2.

Level 2: are considered full time ESL students. The curriculum consists of one semester of full time ESL study. On successful completion, students proceed to Level 3.

Level 3: are considered full-time ESL students. The curriculum consists of one semester of full-time ESL study. On successful completion, students will proceed to Level 4.

Level 4: consists of four core ESL courses. Students may take one ESL elective or academic course.

Level 5: consists of two core ESL courses. Students may take three academic courses or ESL electives (up to 9 credits).

No core ESL courses may be deferred without written permission of the ESL chairperson.

Program Requirements

Level 1	
ESAL 0120	Basic Grammar
ESAL 0130	Basic Language Skills
ESAL 0150	Basic Oral Skills
ESAL 0170	Basic Reading Skills
ESAL 0180	Basic Writing Skills
Level 2	
ESAL 0220	Pre-Intermediate Grammar
ESAL 0230	Pre-Intermediate Language Skills
ESAL 0250	Pre-Intermediate Oral Skills
ESAL 0270	Pre-Intermediate Reading Skills
ESAL 0280	Pre-Intermediate Writing Skills
Level 3	
ESAL 0320	Intermediate Grammar
ESAL 0340	Intermediate Language Skills
ESAL 0350	Intermediate Oral Skills
ESAL 0370	Intermediate Reading Skills
ESAL 0380	Intermediate Writing Skills
Level 4	
ESAL 0420	Advanced Grammar
ESAL 0450	Advanced Oral Communication
ESAL 0470	Advanced Reading and Study Skills
ESAL 0480	Advanced Composition
Level 5	
ESAL 0570	Academic Reading Skills
ESAL 0580	Academic Writing
Elective Courses	
ESAL 0820	Intermediate Listening
ESAL 0840	Preparation for TOEFL
ESAL 0860	Intermediate Vocabulary for Academic English
ESAL 0880	Intermediate Pronunciation
ESAL 0920	Advanced Listening Skills
ESAL 0960	Advanced Vocabulary for Academic English
ESAL 0980	Advanced Pronunciation
ESAL 0990	Special Topics in Language Study
SERV 1000	Introduction to Community Service-Learning

See Course Descriptions section in this calendar for details.

Program Policies

1. For the purposes of these regulations, a student must have completely passed one ESL level to be considered to be in the next level.
2. Students should consult their Academic Advisor about additional requirements for entry into specific post-secondary courses or programs.
3. ESAL 0570 and 0580 are prerequisite courses for English 1100 and English 1110 as well as any courses requiring English 12/English 12 First Peoples.

The ESL Program, comprised of Core and Elective course offerings, grants the following certificates:

ESL Foundations	Satisfactory Completion of: ESAL 0220, 0230, 0250, 0270, 0280 *
ESL Intermediate	Satisfactory Completion of: ESAL 0320, 0340, 0350, 0370, 0380 *
ESL Academic Preparation	Satisfactory Completion of: ESAL 0420, 0450, 0470, 0480 and 1 ESAL elective course *
ESL Advanced Academic Preparation	Satisfactory Completion of: ESAL 0580, 0570, 1 ESAL elective course and 2 additional ESAL elective or academic courses.

* Students may use up to two (2) courses at a higher level to qualify for this certificate.

Bridge-Out Certificates (combined ESL and content area Certificates)

For all "Bridge-Out" Certificates, students must satisfy any and all course prerequisites. Contact an Academic Advisor at internationaladvising@tru.ca for details.

English as a Second Language with an Introduction to Business

Satisfactory completion of 21 credits:

ESAL 0420	Advanced Grammar
ESAL 0450	Advanced Oral Communication
ESAL 0470	Advanced Reading and Study Skills
ESAL 0480	Advanced Composition
Plus	One ESAL Elective
Plus	6 Credits in SOBE courses (advisor consult recommended)

English as a Second Language with an Introduction to Arts

Satisfactory completion of 21 credits:

ESAL 0420	Advanced Grammar
ESAL 0450	Advanced Oral Communication
ESAL 0470	Advanced Reading and Study Skills
ESAL 0480	Advanced Composition
Plus	One ESAL Elective
Plus	6 Credits in any Arts courses

English as a Second Language with an Introduction to Fine Arts

Satisfactory completion of 21 credits:

ESAL 0420	Advanced Grammar
ESAL 0450	Advanced Oral Communication
ESAL 0470	Advanced Reading and Study Skills
ESAL 0480	Advanced Composition
Plus	One ESAL Elective
Plus	6 Credits in any Fine Arts courses

English as a Second Language with an Introduction to Sciences

Satisfactory completion of 21 credits:

ESAL 0420	Advanced Grammar
ESAL 0450	Advanced Oral Communication
ESAL 0470	Advanced Reading and Study Skills
ESAL 0480	Advanced Composition
Plus	One ESAL Elective
Plus	6 Credits in any Science courses

Program Contacts

Chair, English as a Second Language
250.371.5593

English as a Second Language Coordinator
250.371.5662

University and Employment Preparation Programs

General Educational Development (GED)

The General Educational Development (GED) tests are a series of five comprehensive examinations in the areas of Language Arts (writing and reading), Social Studies, Science, and Mathematics. They are designed to measure the major generalizations, ideas and intellectual skills that are normally gained through secondary school.

The GED tests provide an opportunity to earn an official document of Grade 12 Secondary School equivalency standing. While the GED certificate may not be accepted by every employer or post-secondary institution, it may be of assistance in gaining access to university programs.

University Preparation

University Preparation courses offer adult learners the opportunity to complete prerequisites for admission into a diverse range of career, vocational and academic programs or to complete several ABE diplomas including the BC Adult Graduation Diploma (the equivalent to high school completion). Courses in biology, business, chemistry, computing, English, math, psychology, physics, science, social science and student success are designed for adult learners and delivered in small, student-centred classes through teaching methods that accommodate students' life experience and different learning styles.

University Preparation Courses

Intermediate Level (Grade 10 Equivalency)	
EDCP 0400	Education and Career Preparation
ENGL 0400	Basic Language Skills
COMP 0400	Basic Introduction to Computers
MATH 0400	Basic Math Skills
MATH 0410	Algebra I
Advanced Level (Grade 11 Equivalency)	
BIOL 0500	General Biology
CHEM 0500	Foundations of Chemistry I
COMP 0500	Introduction to Microcomputers
ENGL 0500	Developing Writing Skills
MATH 0510	Algebra II
MATH 0520	Advanced Foundations of Mathematics I
PHYS 0500	Introduction to Physics
PSYC 0500	Introduction to Psychology
SINC 0500	Foundations of Science
STSS 0500	Student Success
Provincial Level (Grade 12 Equivalency)	
BIOL 0600	Human Biology
BIOL 0620	Introduction to Life Sciences
BBUS 0600	Introduction to Entrepreneurship
BBUS 0610	Introduction to Business Studies
CHEM 0600	Foundations of Chemistry 2
COMP 0600	Introduction to Programming
COMP 0650	Introduction to Desktop and WEB publishing
ENGL 0600	Literature and Composition
ENGL 0620	Aboriginal Literature and Composition
MATH 0600	Pre-Calculus I
MATH 0610	Pre-Calculus II
NAST 0600	An Overview of Major Issues in First Nations Studies (upon availability)
PHYS 0600	Introduction to Physics II
SOSC 0600	Introduction to Social Sciences

Note: Students can take individual courses listed above without pursuing a certificate. These courses may be taken in conjunction with career, technical, trades or university courses.

Certificate Programs in Adult Basic Education

Adult Basic Education Intermediate Certificate

This certificate represents completion of a grade 10 equivalency. Four courses are required:

Required:	
MATH 0400	Basic Math Skills
ENGL 0400	Basic Language Skills
At least two of the following:	
COMP 0400	Basic Introduction to Computers
EDCP 0400	Education and Career Preparation
SINC 0400	Introduction to Science

For further information call University and Employment Preparation Department at 250.828.5261 or 250.376.7518

Adult Graduation (Adult Dogwood) Diploma

This Diploma represents completion of the adult secondary graduation program. Students must complete five courses to be eligible for the Diploma.

Required:	
MATH 0510 or 0520 or higher	Algebra II or Foundations of Mathematics I
ENGL 0600 or higher	Literature and Composition
Plus:	
Three additional courses at the Provincial Level or higher Or PSYC 0500 or NAST 0500 and two Provincial Level courses or higher	

Note: To be eligible for the Adult Graduation (Adult Dogwood) Diploma, a person must be 18 years or older. An 17 year old who has been out of school for at least a year may be admitted to an adult program with approval form.

Note: Courses from the B.C. School System may be counted toward the diploma; however, at least three courses must be taken as an adult.

For further information call University and Employment Preparation Department at 250.828.5261 or 250.376.7518

First Steps Education Program

A unique program designed for young mothers who wish to continue their education. Academic upgrading as well as courses in personal development, career education and effective parenting are included. A high quality daycare facility is provided for children as part of the program's service. First Steps is run in conjunction with the Kamloops Boys and Girls Club, the Ministry for Children and Family Development and School District #73. Upon completion students may qualify for ABE Certificates. Please contact University Preparation Department at 250.828.5261 or 250.376.7518 for further information.

University and Employment Preparation Services

The University Prep Centre offers free tutorial help to all students enrolled in any of our prep courses or any of the distance education prep courses. The Centre is staffed by faculty who teach in the subject areas of Math, English, Chemistry, Physics and Biology. The Centre provides a quiet and informal setting for individual study or group work; occasionally, we offer unique workshops in the Centre that may of interest to you and at times we have munchies available too.

In addition to our tutorial services, we have a number of computers and printers that are available for your use next door in OM 2533.

Program Contact

Located in Old Main, Room OM 2551.

250.828.5261

Education and Skills Training Certificate Program (ESTR)

The ESTR program is a full-time, 9 month program that provides students with a disability the practical knowledge about future employment opportunities. Students can choose between a general course of study and/or targeted skills courses in; Automotive, Kitchen, and Retail. Students will divide their time between the classroom, field experiences and work experience. All students will complete academic and employment skills classes and will train in specific areas on campus. Skills developed in the ESTR program can lead to further training or to possible employment opportunities. The students are integrated into normalized working environments for the practicum portion of the ESTR program. The program can be completed on a part-time basis and is individualized to meet the student's needs and interests.

Admission Requirements

1. Applicants must be 18 years of age on or before October 1 of the year of entry
2. Applicant must want to be in the ESTR program
3. Must be able to follow oral instructions
4. Must be able to complete work without direct supervision
5. Must arrange and manage own transportation to and from TRU and work placements
6. Must have an identified disability that impairs learning (documentation is required)
7. One reference
8. Some work experience
9. Participate in a program readiness interview

Retail Admission Requirement

Successful assessment of money counting ability up to $50.

Kitchen, Automotive, and Retail Skills Training Admission Requirements

1. 40 hours of documented volunteer or work experience in their chosen field.
2. Successful assessment of reading vocabulary and comprehension at a Grade 4 level.

Program Requirements

Core Courses	
ESTR 0010	Workplace Communications
ESTR 0020	Workplace Employability
ESTR 0060	Health Safety
ESTR 0070	Job Search and Maintenance
Skill Training Courses	
ESTR 0080	Workplace English and Written Communications
ESTR 0090	Workplace Mathematics
ESTR 0370	Advanced Topics in Workplace Success
ESTR 0380	Advanced Topics in Job Selection and Job Search
ESTR 0110	Practical Experience II
ESTR 0210	Kitchen Theory I
ESTR 0310	Kitchen Theory II
ESTR 0220	Kitchen Experience I
ESTR 0320	Kitchen Experience II
ESTR 0230	Automotive Theory I
ESTR 0330	Automotive Theory II
ESTR 0240	Automotive Experience I
ESTR 0340	Automotive Experience II
ESTR 0250	Retail Theory I
ESTR 0350	Retail Theory II
ESTR 0260	Retail Experience I
ESTR 0360	Retail Experience II
Career Stream Courses	
ESTR 0120	Self and Community Awareness
ESTR 0130	Workplace Academics I
ESTR 0140	Workplace Academics II
ESTR 0150	Career Awareness
ESTR 0160	Introduction to the Workplace Practical Experience
ESTR 0100	Practical Experience III

Attendance Requirement

Students are expected to attend classes regularly. A student who does not attend regularly may be withdrawn from the course.

Please see Student Attendance Policy ED3-1 www.tru.ca/policy/allpolicy

Certification

Students who achieve 80% of the listed competencies in each of the courses and who demonstrated good attendance will receive a TRU Certificate. Students who have met the attendance requirement and have demonstrated good effort, but have not achieved 80% of the listed competencies will receive a non-credit Certificate of Completion

Program Contact

250.828.5290

Faculty of Law

Juris Doctor of Laws (JD)

Program Overview

The course of study will consist primarily of in-person instruction and learning and/or instruction and learning that involves direct interaction between instructors and students. Opportunities and experiential learning will be developed in collaboration with the University of Calgary, professional organizations such as the Canadian Bar Association and the Law Society of BC, members of the BC Bar and judiciary. Essentially, first year courses include a mixture of learning principles of substantive law and the acquisition of basic lawyering skills, in particular the ability to "think like a lawyer". These two areas of focus will then be elaborated upon in upper year courses, with greater emphasis on learning of principles of substantive law and the additional focus on the acquisition of the practical, clinical and advocacy legal skills required in order to perform the multi-facetted responsibilities expected of a lawyer in the varied roles the profession is called upon to perform.

Instruction in this knowledge and skill base will be through lectures, Socratic discussion, small group seminars and practical and clinical learning experiences.

Specific Competency Requirements

A further element of the Law School curriculum is comprised of the additional requirements of the Federation of Law Societies of Canada. In its Final Report, the Federation stipulates that, in order to be eligible to enter the articling process under the auspices of the Provincial of Territorial Law Society, law school graduates must possess a number of competencies. While already implicit in its curriculum, TRU Law School will ensure that these competencies are an integral part of the curriculum and course of study. These are the three types (i) Skills Competencies, comprising Problem-Solving, Legal Research and Oral and Written Communication; (ii) Ethics and Professionalism and (iii) Substantive Knowledge.

Admission Requirements

The vast majority of applicants admitted to TRU Law will have an undergraduate degree. However, particular attention will be paid to ensuring that students from smaller and remoter British Columbia communities, Aboriginal students, persons of colour and persons with disabilities will have opportunities to attend the Law School. Students would be admitted to TRU Faculty of Law in a number of categories: Regular Applicants, Special Consideration Applicants and Aboriginal Applicants.

Regular Applicants

To be eligible for section under this category, an applicant must have:

1. Obtained an undergraduate degree in an approved course of studies from a degree-granting institution; or
2. Successfully completed the first three years (minimum 90 credits) or more of an approved course of studies leading to an undergraduate degree from a degree-granting institution; or
3. Successfully completed the first two years of studies leading to an undergraduate degree at a degree-granting institution, and be currently enrolled in the third year of the degree program. (An offer of admission will be conditional on successful completion of the third year by June 30 of the academic year in question with a minimum of 90 credits at a degree-granting institution, and maintenance of the academic average obtained in the first two years of studies. 30 of the 90 credit requirements must be completed at the senior level); and

A personal statement is required in all categories. Regular applicants may request that special circumstances be considered in determining their academic average. The special factors or circumstances (such as medical or other emergency matters) must be documented fully. If a regular applicant requests the Admissions Committee to consider making an adjustment to the overall academic average, the facts must be verified and supported by appropriate documentation. If the special circumstances are medical, then a doctor’s letter is required. Not all special circumstances can be considered in the regular category. Certain factors such as financial hardship, learning disabilities or other disadvantages, or ethnic background, can only be considered in the Special Consideration category.

Regular applicants will be advised in writing as soon as possible whether their application has been accepted or rejected for admission purposes. Applicants who have not received a letter will be on the wait list until a decision can be make. In addition, a personal statement, two letters of recommendation (academic), one letter of recommendation (non-academic), LSAT score and official transcripts are required.

Special Consideration Applicants

A limited number of positions in first-year law are available for applicants under the Special Considerations category. Because of special factors in life, an applicant may not satisfy one or more of the requirements for regular applicants, but may have other relevant achievements and experience. The Admissions Committee will respond to this type of situation by taking into account factors such as disability or special needs, financial disadvantage, age (generally over 30 years

old), membership in a historically disadvantaged group, residency in a small and/or remote community or any other factors that the applicant wishes the Admissions Committee to consider. These factors will be volunteer work for community and/or charitable organizations.

Applicants applying in the Special Consideration category are normally required to have completed the first two years of an approved course of studies leading to an undergraduate degree at a degree granting institution. A personal statement, two letters of recommendation (academic), one letter of recommendation (non-academic), LSAT score and official transcripts are required, and where appropriate, documentation such as medical reports should be submitted. Applicants applying in the Special Consideration category must also submit a biographical resume detailing the special factors, including their achievements and work experience, they wish the Admissions Committee to consider. Each application is considered individually on its merits. It is important that applicants send detailed accounts of their circumstances, including their involvement in community and/or charitable organizations. In this category it is also important that applicants submit documentation (e.g., medical reports, if applicable, or letters of reference) in order for the Admissions Committee to evaluate their files.

Aboriginal Applicants

Applicants with Aboriginal ancestry may apply in the regular category or in the Aboriginal Applicants category. The Faculty considers the applicant's involvement in Aboriginal communities and organizations, and the applicant's intention to use his or her legal training to advance the concerns and interests of Aboriginal Peoples. Applicants are required to establish their Aboriginal ancestry. In addition, a personal statement, two letters of recommendation (academic), one letter of recommendation (non-academic), LSAT score and official transcripts are required.

Type of Admission Process

Selective

Students will be assessed on 4 criteria: GPA, LSAT, Personal Statement and Letters of Reference.

Program Requirements

A total of ninety credits (90) are required to graduate with a Juris Doctor degree. Students admitted into the Law Program will be required to successfully complete the following 9 courses in the first year curriculum (for a total of 36 credits).

LAWF 3010	Constitutional Law
LAWF 3020	Legal Perspectives
LAWF 3030	Contracts
LAWF 3040	Legislation, Administration and Policy
LAWF 3050	Property
LAWF 3060	Fundamental Legal Skills
LAWF 3070	Torts
LAWF 3080	Crime: Law and Procedure
LAWF 3090	Dispute Resolution I: Interviewing and Counselling

Program Contact

250.852.7268

School of Nursing

Bachelor of Science in Nursing Degree

A four-year degree program. Graduates receive a Bachelor of Science in Nursing (BScN). Upon completion graduates are eligible to write the National Council Licensure Examination (NCLEX and apply for registration with the College of Registered Nurses of British Columbia (CRNBC) to practice as a Registered Nurse (RN).

Learning Options

Full-time Study

The program is offered on a full-time basis over four years. All BScN program requirements must be completed within 7 years of the date of entry.

Part-time Study

In exceptional circumstances part-time study may be available to internal students pending seat availability. All BScN program requirements must be completed within 7 years of the date of entry.

On-Campus

The program is offered at the Kamloops campus pending seat availability.

Program Overview

The Bachelor of Science in Nursing program educates nurses to work with individuals, families, groups or communities from a health promotion perspective and an ethic of caring.

The curriculum is based on a commitment to consider the changing health care needs of our society. Emerging from this commitment is the concept of caring. Caring is understood as the attitude and activity of nursing and will be considered in every nursing course. Nursing practice experiences have been planned and integrated throughout the program of studies.

The BScN degree does not qualify the graduate to undertake employment as a registered nurse, but does qualify the graduate to write the National Council Licensure Examination (NCLEX). To become a registered nurse, graduates must write and pass the NCLEX. Students applying for the NCLEX and registration are asked to provide information regarding any convictions for criminal offenses (other than minor traffic violations). Candidates with criminal convictions may not be eligible for registration.

Nursing at TRU

The BScN program consists of courses in nursing, the humanities, and the physical and social sciences as they are applied to the nursing care of individuals and their families.

Studies will give students the technical knowledge, human understanding and practical skills to provide responsible and competent client-centered care. Graduates of the program will be prepared to function as team members in non-specialized/specialized acute care, intermediate and/or extended care hospitals, clinics, home care agencies and community health agencies.

Learning Experiences

Students have practicum experiences throughout the four years of the program including a 4-6 week practicum during May/June. Practica occur in residential and acute care facilities, community health agencies, and homes. Outlying agencies in the region are used for clinical practice. Students are required to travel outside of Kamloops for practica. Practicum courses may also include evening and weekend experiences.

International Experiences

International Consolidated Practice Experience (CPE)

At the end of their third year, nursing students have an opportunity to complete an international CPE. This experience replaces their usual year end practicum. The Practice Placement Coordinator (PPC) for nursing provides information on the application process. Approval is contingent on several conditions.

Since 1999 TRU nursing students have been to Nepal, Samoa, Thailand, and Lesotho. Students are always accompanied by TRU nursing faculty members. Preliminary site visits for countries considered for CPE are always completed by experienced faculty to determine suitability for practice for our students. Risk assessments are also done by qualified members of TRU.

Students are provided with guidance in cultural sensitivity and safety, and are also debriefed on their return from international experiences.

Following their return, each group of students is expected to prepare a presentation about their experiences for students and faculty campus wide.

To encourage global education, guest speakers from a variety of countries have presented to students and faculty. Another way that students can participate in an international experience is by taking part in Study Abroad which is offered during the fourth year of the BScN program.

The international and global education opportunities within the BScN program are applicable to the new TRU Global Competency www.tru.ca/global credential.

Admission Requirements

Educational Requirements

1. BC Grade 12 or equivalent; or mature student status

2. Chemistry 11, Chemistry 0500, or equivalent; C+ minimum grade
3. Foundations of Math 12 (preferred) or Pre-Calculus 12, or TRU Math 0600 and Math 0610 or equivalent; C+ minimum grade.
4. Biology 12, BIOL 0600 or equivalent, C+ minimum grade
5. One other science at the Grade 11 or 12 level [Biology 0500, Chemistry 0600, Physics 0500 or 0600, SINC 0500] or equivalent, C+ minimum grade.
6. English 12/English 12 First Peoples with a minimum of ***73% (with the government exam within the last 5 years)***; or level **(5)** on the composition section of the *Language Proficiency Index* **(LPI)**, with all other categories of the LPI at a ***minimum of 70% (within the last 2 years);*** or LPI level **(4)** ***if completed between October 1, 2011 and October 1, 2013***; or satisfactory completion of TRU English Assessment **(ACCUPLACER)** test at university entrance level; or completion of TRU ENGL 0600 **(B)** minimum grade or completion of ESAL 0570 & ESAL 0580 with a **(C+)** minimum grade or equivalent.

General Requirements

- Canadian citizenship or landed immigrant status
- Letter of Introduction

General Requirements (upon acceptance)

- Complete immunization schedule
- CPR - Level C (Heart Start CPR Level 3) It is required that students have a current CPR 'C' prior to clinical experience and must maintain certification every 2 years throughout the program.
- WHMIS (Workplace Hazardous Materials Information System Certificate)
- CRNBC - Self Assessment of Requisite Skills and Abilities
- Criminal Record Review

Admission is selective. Not all applicants who meet the minimum requirements are accepted to the program.

Special Admission Status

Mature Student

Applicants seeking Mature Student status should refer to the Academic Information section of the Calendar. Mature students will normally be required to meet the Science, Math and English prerequisites. These courses must be current within the past 10 years. LPI score must be current within the past 2 years. It is recommended that Biology 12 be current within the past 2 years.

Mature students who have recently completed BIOL 1590/1690 or equivalents with a C or above grade may have the Chemistry 11, Biology 12 and one other Science 11 or 12 prerequisites waived. Consult with the Student Advisor, School of Nursing.

Advanced Placement for LPNs

Applicants who have a valid combination of previous nursing education and experience, at least at the Licensed Practical Nursing level, and a suitable academic background, may be granted appropriate credit in the program. Candidates for admission under these provisions should apply for Special Admission Status. This special status applies only to students who can demonstrate the appropriate combination of education, experience, and academic credentials and each case will be assessed on an individual basis. Prior Learning Assessment and Recognition (PLAR) may be used to establish special status. Contact the Student Advisor, School of Nursing for information.

Transfer Students

Students with partial credit from recognized nursing programs may apply as transfer students and may receive transfer credit for some or all of their previous course work.

Students who have previous post-secondary nursing educational credits and wish to discuss their eligibility for an advanced placement in the program may contact a student advisor at 250.377.6169.

Criminal Record Check

The Ministry of Public Safety and Solicitor General requires "Registered students in any certificate, diploma, or degree program that has a practicum involving working with children or vulnerable adults must provide a criminal record check authorization to the Criminal Records Review program."

There are 79 relevant offences under the Criminal Records Review Act (www.pssg.gov.bc.ca/criminal-records-review/offences-reviewed/index.htm). In order for students to complete the BScN program they are required to demonstrate competent nursing practice with children and vulnerable adults.

A clear Criminal Record Check from the Ministry of Public Safety and Solicitor General is a pre-practicum and pre-employment requirement. Please be advised that a criminal record may limit practicum placement and preclude program completion. Applicants with a criminal record should begin the process of applying for a pardon through the National Parole Board www.npb-cnlc.gc.ca.

Application for a Criminal Record Check is coordinated through the School of Nursing. Information regarding the process for the Criminal Record Check will be sent to applicants when they accept their seat in the program.

Advanced Credit

To receive advanced credit (transfer credit) for any of the required courses (BIOL 1590, BIOL 1690 and all NURS courses) in the BScN Program, students must have a C (60%) minimum grade in that course. Required courses eligible for advanced credit (transfer credit) will be included in the GPA calculation. Required non-nursing courses, such as English and non-nursing electives require a 50% minimum grade.

Grades for required courses taken at TRU prior to entry into the program will be calculated in the GPA.

Transfer to TRU

The BScN program accepts transfer students from AUCC (or equivalent) recognized post-secondary institutions. All transfer students must meet

admission requirements. Transfer students must adhere to the TRU policy Transferability of University Credits ED 2-4 and Educational Standards in Credit Courses and Programs ED 8-0. Students with partial credit from recognized nursing programs may apply as transfer student and may receive transfer credit for some or all of their previous course work.

Transferring between institutions is generally not straight-forward and students will often be admitted at a point earlier in the program, thus taking longer to complete the BScN degree. Transfer students are only offered a seat in the program if the student is found to be in good standing and a seat is available within the program. Internal re-entry students are given first priority for available seats. Prospective transfer students must apply to TRU as a transfer student to the BScN program.

Application Procedure

Prospective students must submit a complete application for the BScN program to the Admissions office to be received no later than January 15 for the September intake. The application should include evidence of meeting all program prerequisites. A complete application includes:

- TRU Admissions application
- Official Ministry of Education High School transcript
- Official Post-secondary transcript (if applicable)
- Current high school students must submit official Grade 11 transcript and certified interim grades
- Evidence of registration in pre-requisites not included in official transcripts
- Letter of introduction

A selective admission process is used to determine admission to year one of the BScN program. During the selective admission process a structured format is followed with all applicants being evaluated against the same criteria. Each applicant will be placed into the following categories:

1. Accepted
2. Wait listed
3. Not accepted

Applicants will be notified in writing of their status.

Note: Acceptance is conditional based on receipt of final grades.

In order to secure their seat in the program, students will be required to pay a commitment fee. Applicants have the right to appeal admission decisions. Appeal procedures are described in the Academic Information section of the TRU calendar.

Program Requirements

Semester 1	
NURS 1800	Professional Practice 2
NURS 1730	Health and Healing 1
NURS 1740	Nursing Practice 1
NURS 1170	Relational Practice 1
BIOL 1590	Anatomy & Physiology 1 (L)
ENGL 1100	Introduction to University Writing
Semester 2	
NURS 1700	Professional Practice 1
NURS 1830	Health and Healing 2
NURS 1840	Nursing Practice 2 (L)
BIOL 1690	Anatomy & Physiology 2 (L)
ENGL 1110	Introduction to Prose Fiction (or another Academic English)
Semester 3	
NURS 2170	Relational Practice 2 (L)
NURS 2730	Health and Healing 3
HLSC 2550	Health Science 3
NURS 2740	Nursing Practice 3
Semester 4	
PHIL 2310	Health Care Ethics
NURS 2830	Health and Healing 4
NURS 2840	Nursing Practice 4
HLSC 2650	Health Science 4
HLSC 2660	Health Science, Pharmacology
Semester 5	
NURS 3730	Health and Healing 5: Complex Health Challenges/Healing Initiatives
NURS 3170	Relational Practice 3: Connecting Across Difference
NURS 3740	Nursing Practice 5: Promoting Health and Healing
HLSC 3550	Health Science 5: Advanced Pathophysiology
	Non Nursing Elective (1000 level)
Semester 6	
HLSC 3830	Global Health Issues
NURS 3500	Health and Healing 6: Promoting Community and Societal Health
NURS 3600	Professional Practice 3: Nursing Research
NURS 3510	Nursing Practice 6: Promoting Health of Communities and Society
NURS 3380	Consolidated Practice Experience (CPE) 3
NURS 3390	Consolidated Practice Experience (CPE) 3 (International)
	Non Nursing Elective (2000 level)
Semester 7	
NURS 4300	Professional Practice 5 - Leadership in Nursing
NURS 4380	Community Health Nursing: Practice 7
NURS 4730	Community Health Nursing: A Canadian Perspective
	Nursing Elective (3000 level)
Semester 8	
NURS 4210	Nursing Practice 8: Transitioning to BScN Graduates

Progression Policy

Students must achieve at least a C grade in each required course (BIOL 1590, BIOL 1690 and all NURS courses) in the BScN program and maintain a cumulative Grade Point Average (GPA) of 2.33 in order to progress to the next semester of the program. Students must also successfully complete all nursing practice courses in order to progress to the next semester of the program. If a student falls below a GPA of 2.33 or obtains less than a C in a required course, the Dean of School of Nursing and/or BScN Chairperson may assess the progress of the student on an individual basis. The student will normally be required to repeat the course to achieve a C or better grade. Refer to TRU Policy # ED3-3 on course repeats.

Students must attain a minimum grade of D in ENGL 1100, ENGL 1110, PHIL 2310, and non-nursing electives prior to entering Semester 7

courses. It is required that students complete the English requirements before entering year 2, one of the English courses must be a composition or university writing academic course.

Because of the importance of safety in Nursing, students who fail to achieve a C in any required course will not be permitted to advance in either theory or clinical courses until they have successfully repeated the course(s). This usually means waiting until the course is offered again the following year.

Nursing Practice Experiences

Practice experiences will take place in local and regional facilities and community health agencies. Students are required to complete nursing practicums/preceptorships in agencies located outside of Kamloops. Students must provide their own transportation to the agencies involved in nursing practice courses and are also responsible for accommodation and related expenses.

Completion Requirements

For students enrolled in the BScN program on a full time basis, program completion is expected within 7 consecutive years for BScN degree completion. Students will be assessed on an individual basis.

Degree students must apply to the TRU Registrar's office for permission to graduate and attend the convocation ceremony.

Failures and Repeats

Students who fail to achieve a C grade in each required course (BIOL 1590, BIOL 1690 and all NURS courses) within the BScN program or those to do a program withdrawal are no longer considered to be in the BScN program. To enrol in other TRU courses, students must apply into one of TRU's open programs. If a student needs to repeat a BScN required course, special permission by the BScN Chairperson must be given subject to availability. If successful in completing the required course(s), students must reapply for the BScN program and acceptance will be subject to space availability.

Students who are on leave from the BScN program must reapply and acceptance will be subject to space availability.

The department may require potential repeating students to challenge certain portions of courses in which they previously received credit in order to assess the currency of practical skills. Demand for seats in the program is such that space for course repeaters is based on seat availability. Refer to the TRU School of Nursing Handbook.

A student who has previously failed in a health-related program and who subsequently applies for admission to the same program or to another health-related program will be regarded as a repeating student, unless he/she can show cause for being treated as a new student.

A student who receives a failing grade in a course for failure to meet objectives related to professional accountability or patient safety may be refused re-admission to the program, or another health-related program, at the recommendation of the BScN Chairperson and on the approval of the Dean, School of Nursing.

All potential repeating students are reminded that they are subject to program completion time requirements.

Withdrawal and Re-admission

Students re-entering the program are required to:

1. Submit in writing to the BScN Chairperson, the intent to re-enter the Nursing Program four months prior to the anticipated re-entry.
2. Make an appointment to see the BScN Chairperson, for the purpose of assessment. This interview should be during the month of April for September re-entry, month of August for January re-entry and month of November for May re-entry.
3. Students are reminded of the program completion requirement and the failures and repeats policy as stated in the University Calendar.

Program Costs

In addition to tuition and fees, students should budget for the following expenses (all are approximate and subject to change):

- Books, Manuals, etc. – $600 – $1000/year
- Stethoscope - $100
- Uniforms - $200
- White WCB approved footwear - $100
- Out of town travel and accommodation as necessary for practice experiences
- Graduation activities, as arranged by the student
- CRNBC Membership – $473 (at the time of graduation)
- Nursing Undergrad Society Annual Fees - $25.00 (per year)
- CPR-C and recertification fee every 2 years
- Personal Safety Course - $100
- WHIMIS Certificate - $50
- Canadian Nursing Student Association Membership - $5 (per year)
- Criminal Record Review
- National Council Licensure Examination (NCLEX) fee - $350 (at the time of graduation)

Program Contacts

General Information
250.828.5401

School of Nursing Student Advisor
250.377.6169

BScN Chairperson
250.377.6198

Post-Diploma Bachelor of Science in Nursing Degree

A post-diploma program for Registered Nurses.

Learning Options

Part-time or Full-time Study

Students may study on a part-time or full-time basis. The post-diploma BScN program must be completed within 6 years of the date of entry into the program.

On-campus, Distance, and Prior Learning Assessment

Courses are offered both at the Kamloops campus and through distance education. Prior learning may also be recognized for credit toward the degree.

Program Start Date

Continuous

Program Overview

The program:

Promotes the development of knowledge and skills essential to promote the health of individuals, families, groups, or communities;

Increases the nurse's ability to think critically and clearly express ideas verbally and in writing;

Enhances the nurse's ability to provide leadership for change in a diverse and dynamic health care context;

Fosters the nurse's appreciation of multiple ways of knowing related to nursing knowledge development and inquiry (e.g. phenomenology, critical social, natural science) and enhances these ways of knowing in his/her nursing practice.

Admission Requirements

Admission to the Bridge-in component requires a separate application be sent to Admissions at TRU by April 1. The following program requirements must be met:

1. Proof of CRNBC registration and active practicing membership as a Registered Nurse in British Columbia. (Please note: CRNBC registration must be maintained for the duration of the program).
2. Satisfaction of the TRU English requirement, which can be met by any ONE of the following:
    - English 12/English 12 First Peoples with a minimum of 73% within the last 5 years prior to admission
    - LPI Level 4 within the last 2 years
    - Specific equivalency to TRU ENGL 1100 (3 credits)

Full-time students not exempted from the requirement must register in ENGL 1100 or equivalent courses required to meet the English requirement before the end of their second year. Part-time students are encouraged to complete their English requirement as soon as possible, but are not required to do so until they have accumulated 6 credits.

Student must be enrolled in the degree completion portion of the BScN program in order to take NURS courses.

Program Requirements

120 credits required.

1. 75 transfer credits to the BScN program are to be awarded for a diploma in nursing.
2. 45 credits to be achieved post-diploma and may consist of the following:
    - Maximum 12 Prior Learning and Assessment Recognition (PLAR) Credits
    - Maximum of 22.5 credits transferred from an accredited Post-Secondary Institution.
    - Maximum 9 credits (based on individual assessment) from Canadian Nurses Association Certification Program or like professional credentialing institutions.
    - 15 of 45 post-diploma credits are to be at the fourth year level.

Due to curriculum revisions in the BScN program the 19 core credits for the Post-Diploma BScN degree will undergo minor changes.

All credits earned towards Post-Diploma BScN degree must be at the 3000 to 4000 University Transfer level.

Credit will be granted towards the degree when course grade is a C+ (or 2.33 GPA standing) or better.

The post-diploma credits are to consist of the following 19 core credit courses (or equivalent courses):

- NURS 3170
- NURS 3500
- NURS 3510
- NURS 3600
- NURS 4300
- HLSC 3830

Complimentary credit courses are to be comprised of:

- 20 credits of nursing or health science courses (3000+)
- 6 credits electives (3000+level) which may be non-nursing/health science

Residency Requirements

- 50% of post-diploma course work must be done at TRU.
- PLAR courses through TRU count towards residency requirements.
- PLAR courses through other institutions count as 'transfer' credits.

- May transfer up to 22.5 credits towards the required 45 credits.
- The 75 'block credits' awarded for nursing diploma will not be considered as an element of residency requirements.

Progression Requirements

- Maintain a 2.33 grade point average throughout the program.
- Maintain active practicing membership as RN with CRNBC.
- Complete degree requirements in 6 years.

Program Contacts

General Information
250.828.5401

School of Nursing Student Advisor
250.377.6169

Health Care Assistant Certificate

A 27-week program. Graduates receive a Health Care Assistant Certificate.

Learning Options

Full-time

The program is offered on a full-time basis.

On-campus

The program is offered two times per year at the Kamloops campus: September to March and January to June.

The program is offered every other year in Williams Lake, and occasionally in other communities.

Program Overview

This 27 week program is designed to prepare the graduate to function, under supervision, as a Health Care Assistant. The HCA program will teach you the skills you need to help older adults in residential care facilities, assisted living facilities and in clients' private homes. This is a career that is both challenging and rewarding.

During the HCA program, you will learn to provide hands-on care to older adults using a person-centred approach. Learned skills will be applied in the community utilizing care facilities, assisted living facilities and private homes. The focus will be on learning to assist the older adult in meeting his/her basic physical, emotional, environmental and social needs. You will learn to provide practical assistance to help clients maintain maximum independence within the limits of their ability.

You will also learn to practice ethically in a responsible and accountable manner, using caring and respectful communication skills. You will think critically and creatively to meet the varying needs of clients and to work effectively as a team member.

This program follows the BC HCA curriculum.

Admission Requirements

Educational Requirements

1. BC Grade 11; however, Grade 12 is preferred.
2. Satisfactory completion of English Assessment - Accuplacer Test at Grade 11 level.

General Requirements

1. Canadian Citizenship or Landed Immigrant Status
2. Food Safe Certificate
3. Standard First Aid with a level 'C' CPR component (or equivalent)
4. Students should be in good physical health with NO back problems.
5. Flexibility, maturity and a sense of humour are very desirable.
6. Students are strongly advised to volunteer in a continuing care facility before registering for the program. It is important that the prospective HCA demonstrate a caring and interested attitude toward older adults and physically challenged persons and be willing to work with these clients and their families.

Additional Requirements for Admission to the Program
These forms will be provided upon acceptance to the Program.

- Up to date immunizations
- Attend an HCA Information Session at TRU
- Criminal record check. A criminal record check is a pre-practicum and pre-employment requirement of most agencies. Please be advised that a criminal record may limit practicum placement and preclude program completion.

Application Process

1. Submit an application form
2. Pay the application fee
3. Provide official transcripts for all secondary and post-secondary institutions attended.
4. Arrange to write the Assessment Test at the Assessment Centre.

Program Requirements

Required Courses:

Required courses:	
HEAL 1000	Health 2: Lifestyle and Choices
HEAL 1010	Health and Healing: Concepts for Practice
HEAL 1050	Health 1: Interpersonal Communication
HEAL 1100	Health Care Assistant: Introduction to Practice
HEAL 1150	Healing 3: Personal Care and Assistance
HEAL 1200	Healing 1: Caring for Individuals Experiencing Common Health

	Challenges
HEAL 1250	Practice Experience in Home Support and Assisted Living
HEAL 1300	Practice Experience in Multi-Level and Complex Care
HEAL 1350	Healing 2: Caring for Individuals Experiencing Cognitive or Mental Challenges

Promotion Policy

The passing grade for each course in the program is 70%. Students must pass each course in order to continue in the program.

Program Contact

General Information
250.828.5401
Chairperson
250.828.5186

General Admission Requirements

Applicants must meet the following minimum standards:

- A three or four year baccalaureate or an equivalent degree from a recognized institution. Degrees and grades from international applicants will be assessed on their equivalency to those of TRU.
- A minimum grade point average of 3.0 (on a 4.33 point scale) in the last 2 years of an undergraduate degree (60 out of 120 credits), or the equivalent of 2 years of full-time study.

Programs delivered through Open Learning may have different admission requirements.

Program Specific Requirements

Master of Business Administration

- Year One MBA Foundation (Graduate Certificate in Business Administration
- Year Two Master of Business Administration

All students apply to the Year One MBA Foundation (GCBA) program. Students may be eligible for exemptions from any or all of those courses by the MBA Admissions Committee based on their previous academic record at the undergraduate or graduate level. Applicants with a BBA or BComm from an acceptable institution may be eligible for direct admittance into the Year Two MBA program.

- An acceptable 3- or 4-year undergraduate degree in any discipline with a minimum B average (GPA of 3.0 on a scale of 4.33) in the last 60 credits.
- Quantitative and Computing Skills**.** Applicants must have adequate quantitative and/or computing skills in the opinion of the TRU MBA Committee. Adequate quantitative skills include a strong background in algebra and statistics. Adequate computing skills include having a strong background in word processing, presentation and spreadsheet software.
- A GMAT score is not required for admission to the MBA, however, the MBA Admission Committee may request a GMAT test score as a condition of acceptance
- There is no minimum professional work experience requirement.

Students who do not fully meet the education or language requirements or do not have adequate quantitative and/or computing skills in the opinion of the MBA Admissions Committee will be asked to take specified undergraduate upgrading courses prior to being accepted into the Year One MBA Foundation (GCBA) program.

Graduate Certificate of Educational Studies

- A 3 or 4-year undergraduate degree from an accredited institution.
- Undergraduate studies in an area relevant to the intended graduate program of study.
- GPA of 2.5 on a scale of 4.33

Master of Education

Applicants must be graduates of a four-year bachelor degree or equivalent, with a minimum B average (GPA of 3.0 on a scale of 4.33) in the last 60 credits, or, have successfully completed TRU's Graduate Certificate in Educational Studies.

Master of Science in Environmental Sciences

- Applicants must be graduates of a four-year bachelor degree or equivalent in an appropriate science related field with a minimum B+ (GPA of 3.33 on a scale of 4.33) in the last 60 credits. Students with a lower GPA may be considered if the applicant can demonstrate significant academic growth and training since their graduation
- Agreement from a Faculty advisor who act as supervisor. **This must be in place prior to submitting an application.**
- Signed Financial Support Agreement (signed by student and faculty advisor)
- Introduction to statistics course with a 'B' standing

English Language Requirements

The language of instruction is English. Students whose first language is not English and who did not complete a Baccalaureate Degree with an English-speaking university will be required to demonstrate the following minimal standards of English language proficiency by presenting one of the following indicators of English competency:

	Master of Science **Master of Education**	**MBA Program**
TOEFL		
Paper-Based	570 with a TWE of 4.5 or higher	600 with a TWE of 5.0 or higher
iBT	88 with no section below 20	100 with no section below 20
IELTS	6.5 with no bands below 6.0	7.0 (all bands)
CAEL	70 with no subtest below 60	N/A
ENGL 1100 or CMNS 1290	N/A	B or higher

Graduate Certificate of Education students who do not meet these minimum standards may be admitted to a program; however, will be required to complete classes at TRU in English as a Second Language to achieve a specific level of proficiency prior to embarking on their academic program (normally successful completion of ESAL level V). For details see: www.tru.ca/admissions

Admission with Special Consideration

In exceptional circumstances, a student may be admitted who does not meet all the admission standards when there is significant professional experience relevant to the proposed area of scholarship, and the

student provides evidence of degree equivalency and ability to successfully undertake graduate studies. A qualifying semester may be required. Under TRU Policy ED 8-0 Educational Standards in Educational Courses and Programs a masters' degree will be awarded for the successful completion of a baccalaureate degree or the equivalent plus a minimum of 24 graduate credits. Therefore students will not be allowed to graduate, nor will this credential appear on a TRU transcript, until they have completed an undergraduate degree or equivalent. At TRU, equivalency to a degree can only be achieved through Prior Learning Assessment and Recognition (PLAR). For more information on how to apply for PLAR, please see www.tru.ca/prior_learning

Applying for Admission

Application Deadlines

	Fall	Winter	Summer
MBA	May 31	October 15	February 15 (Year One Foundation only)
GCES	May 31	October 15	February 15
MEd	May 31	N/A	N/A
MSc	April 30	September 30	January 30

Application deadlines may be extended until the program is full. For the most up to date information, visit www.tru.ca/research/grad_studies

Application Fee

TRU requires a non-refundable program application fee.

Application Procedure

Select your program. Read the program description and you may also wish to consult with the relevant Graduate Program Committee Chair to be sure this is the right program for you.

Complete the application. All graduate programs require the submission of the following documents – applications that do not include all the required documentation indicated below cannot be processed:

- Official Transcripts from all post-secondary institutions attended. (High school transcripts are not required). Graduates from TRU do not need to provide official transcripts. Scanned and emailed copies of official transcripts are sufficient for application purposes only.
- Proof of degree awarded (copy of degree received)
- Proof of English language proficiency, if applicable
- Resumé/CV
- A letter of intent indicating reasons for pursuing a graduate degree, relevant previous professional experience or qualifications, research and professional interests and future goals
    - MBA – 1,000 words
    - MEd – 250 words
    - MSc – 350 words
- Application form
- Program application fee

Additional forms required by specific graduate programs

- MSc and MEd/GCES Applicants: Two letters of recommendation from qualified referees addressing the applicant's ability to pursue graduate studies, including an assessment of the applicant's communication skills, initiative, and originality
- **Send the recommendation forms to your referees**. Contact them personally and remind them of the deadline. Ask them to confirm with you when the recommendation has been sent.

Re-read the checklist on the application form and ensure that all required documents are included with the completed application form.

By Email: gradadmissions@tru.ca

By Mail or Courier:
GRADUATE ADMISSIONS
Thompson Rivers University
900 McGill Road
Kamloops BC Canada V2C 0C8

Contact Us: gradadmissions@tru.ca

The Admission/Acceptance Process

Graduate Admissions receives your admission package.
It is your responsibility to ensure that your application is complete. The Graduate Admissions Office will contact you if your application is incomplete. Once the application package is complete, and transcripts are verified, the Graduate Office forwards the application package to the Chair of the appropriate Graduate Program Committee.

The Graduate Studies Program Committee considers your application and makes an admission decision which may include special conditions or considerations.
The Graduate Program Committee recommends acceptance based on admissions criteria stated by the program, fit within the program, enrolment numbers, availability of a supervisor with the appropriate interest and expertise (as applicable).

You are informed of the decision.
All applicants are informed of the admission decision. Admission decisions are final and are not appealable. If you are admitted for graduate studies you will receive a letter of acceptance from the Director of Graduate Studies.

Admission Deferrals

Admission deferrals may be considered and will be determined based on unique situations. Individual graduate programs are responsible for such decisions. Students should speak to the relevant Graduate Program coordinator or Committee Chair. They will forward their decision to you and to the Graduate Admissions Office.

Academic Status

Full-time and Part-time Status for Students Paying Fees on a Program-Fee Basis

Program-fee students are charged a fee for their entire program, in multiple installments over the duration of the program until the minimum time-for-completion of the program is met (generally two years, or 6 semesters).

- **Full-Time:** All graduate students who pay full-time fees are considered to be full-time students. International students must be engaged in full time studies in order to meet study permit requirements.
- **Full-Time Continuing:** A student enrolled in a full-time graduate program who is beyond their minimum time-for-completion, and is paying full-time fees.
- **Part-Time:** A student enrolled part-time in a graduate program engaged in completing 60% or less of the program requirements per semester.
- **Part-Time Continuing:** A student enrolled part-time in a TRU graduate program engaged in completing 60% or less of the program requirements per semester who has exceeded the minimum time-for-completion of their program (generally 4 years).

Full-time and Part-time Status for Students Paying Fees on a Per Course-Fee Basis

Course-fee students are charged fees on a per course basis, with minimum and maximum timelines established for program completion.

- **Full-Time:** A student enrolled in a graduate program who is engaging in a full course load for their program of study, paying the equivalent of full-time fees, and who is in pursuit of their studies as a full-time endeavour.
- **Part-Time:** A student enrolled part-time in a TRU graduate program engaged in completing 60% or less of the course requirements per semester.
- **Part-Time Continuing:** A student enrolled part-time in a TRU graduate program engaged in completing 60% or less of the course requirements per semester who has exceeded the minimum time-for-completion of their program.

Registration

Graduate Program Plan

Graduate programs vary in course requirements. Some programs offer more flexibility than others. If there are opportunities for choice and electives, discuss your program with your supervisor and develop a program plan.

Undergraduate Courses

It may be beneficial for you to participate in senior-level undergraduate courses as part of your graduate program. No more than 30% of your courses may be at the undergraduate level, and these must be approved as part of your Graduate Program Plan

Residency Requirements

At least 50% of coursework must be completed through TRU, and all thesis, project or culminating creative work must be completed under the supervision of a TRU graduate instructor/supervisor. It is recommended that graduate students normally complete a majority of their graduate program at TRU in order to gain maximum benefit from the faculty, student colleagues, facilities and other resources.

Letter of Permissions

After starting your program you may transfer up to 12 credits from another recognized university with the advanced written approval of your supervisor and Graduate Program Committee Chair. This permission is granted by completing the Letter of Permission form. A fee may be charged for this service.

Course Changes

If you need to change your courses (add, drop, or withdraw) please consult your supervisor.

Updating Your Contact Information

Keep your contact information up to date. You can update your information through myTRU (mytru.tru.ca) or the Office of the Registrar.

Program Completion Times

There is a five-year maximum time for completing a Masters program. Programs vary in design and standard completion time. If you are unable to follow the program schedule and complete within the normal timeframe for your program, please discuss this with your supervisor. Complete a revised Program Plan and submit the signed form to Graduate Studies Office.

Absences and Leaves of Absence

Students are generally expected to be in attendance for all aspects of the graduate program including courses, seminars and other activities as applicable. If you will miss any of these activities for a short period of time, please inform your instructor/s. It is your responsibility to get caught up on any missed material.

Short-term Absences: Less than 3 Weeks

Discuss this with your supervisor prior to commencing the

leave, or as soon as possible thereafter, to determine any impact on your Graduate Program Plan. Any adjustments to the plan should be signed off and forwarded to the Registrar's Office

Long-term Leaves: Greater than 3 Weeks

Longer-term absences require the approval or your supervisor and the Graduate Program Committee Chair, ideally prior to commencing the leave. Normally, any student financial support is suspended during a leave, and may be reinstated upon return depending upon any restrictions to the funding. Possible reasons for requesting a long-term absence include: Compassionate, Medical, Maternity, Adopting, Parental.

Documentation Required for Longer-Term Leaves

- A signed leave request form
- Compassionate: medical certificate for the person requiring care, or in the case of bereavement, a copy of the death certificate is required.
- Medical: original signed doctor's note indicating the medical condition and required leave time.
- Maternity, Adopting, Parental: for all three the person requesting leave is entitled to one year of leave. Students requesting leave for adoption or parental responsibilities must provide documentation which gives proof of requirement.

If a longer-term leave is approved you tuition fees and the program completion time will be frozen for the duration of absence.

Employment Leave

Students taking employment leave will be considered "continuing students" and charged Continuing Student Fees.

Maintaining Computing, Email and Library Services During a Leave

If you wish to maintain computer network, email, and library access during the period of the leave you may do so by paying a $100 fee.

Fees for Leaves and Absences

If you must defer or delay your program you must apply for Continuing Graduate Student status and pay the appropriate fee. If you have not maintained a continuous student status, upon the resumption of your studies will be assessed retroactive tuition to the amount to the amount you would have paid if your continuous enrolment.
Retroactive late payment fees may also be applied. We don't like to charge these fees, so please, discuss any absences with your supervisor and remember to fill out all the paper work.

Academic Standing

Graduate Student in Good Academic Standing

Minimum pass for students in a graduate program: a student who receives a B- or lower in two or more courses will be required to withdraw regardless of their grade point average unless the program recommends otherwise. Individual programs may require a higher minimum passing grade.

Probation

If your GPA falls below 70% in a term, you will be placed on academic probation. Graduate programs may set higher standards.

Dismissal

Student receiving a GPA of less than 70% in two consecutive terms may be placed on academic dismissal. This action requires consultation with the Graduate Program Committee Chair, the relevant Dean, and the approval of the Associate Vice President, Research and Graduate Studies.

Appeal

The decision may be appealed through the Student Academic Appeals process (Policy ED 4-0).

Avoiding Academic Probation and Dismissal

Nobody likes to be in the situation of academic probation and dismissal. It is hard on the student and the supervisor. If you are having academic difficulties, please discuss these with your supervisor or other academic mentor as soon as possible. We will do our best to help you identify positive solutions.

The Graduate Work: Thesis, Project or Creative Work

Your graduate program may include a Graduate Work, in the form of a thesis, project or production of a creative work. For a graduate thesis please refer to the ***GUIDELINES FOR THE PREPARATION OF GRADUATE THESIS.***

The Graduate Work is a significant academic experience of a graduate program, that is based on original research and inquiry, contributes to the body of knowledge, and becomes part of TRU's library holdings, and the Canadian Archives. The work may be purely academic and/or applied, leading to the development of improved policy, practice, or products. Through the process of formulating and pursing the inquiry the student has the opportunity to demonstrate academic rigour, creativity, originality, and insightfulness, and hone their ability to explore, develop, critically analyze, synthesize, interpret, and communicate ideas and concepts.

Ownership of Data, Information, and Equipment

Respect the University's policies regarding intellectual property and the ownership of data and information. As applicable, follow the contractual agreements with other agencies or individuals regarding the ownership of data,

information, and equipment. If appropriate, upon finishing the program, provide the supervisor with documentation that allows others to continue the research.

Master of Science in Environmental Science Degree

Students in this program normally take 2 to 2.5 years to complete the degree requirements. Graduates of the program receive a Master of Science degree (MSc).

Program Overview

The MSc in Environmental Science is a thesis-based degree with three areas of specialization: 1) Ecology and Evolution; 2) Physical Sciences; and 3) Policy and Management. Because of our broad range of expertise, TRU is superbly positioned to train students to approach specific sub-disciplines using techniques ranging from molecular techniques to ecosystem ecology to policy, management, and ethical considerations.

The environment is a complex of biological, geological, physical, chemical, social and cultural factors that interact to influence the life of an individual or community. Our environment is threatened by global issues such as overpopulation, global climate change, and habitat fragmentation. Many of these issues are caused by humans, and in turn they are threatening the very wellbeing of humans. The problems we face today are not solvable by science alone, but by an equal discovery and knowledge of culture, sociology, economics, politics and ethics. The TRU MSc in Environmental Science provides an integrative, multi-disciplinary approach to the study of the environment. The program is structured to be unique, flexible and relevant.

TRU is ideally located to study environmental issues because of its proximity to a wide variety of diverse regional ecosystems. Kamloops is a city of approximately eighty thousand people in the Southern Interior of British Columbia. The Thompson/Okanagan region and neighbouring Cariboo Plateau provide rare native grassland ecosystems, freshwater wetlands, lakes and rivers, and a rich diversity of forested ecosystems, all within easy access of TRU. Mountain and ocean ecosystems are found within a few hours' drive. The location of the university also provides collaborative potential with a number of neighbouring institutions and agencies, such as BC Ministry of Forests and Range, Agriculture Canada Research Station, BC Ministry of Environment, Fisheries and Oceans Canada, Bamfield Marine Station, BC Grassland Conservation Council, and Ducks Unlimited Canada.

Admission Requirements

Applicants must meet the following TRU admission requirements:

1. Completion of a four-year undergraduate degree or equivalent in an appropriate discipline from an accredited institution
2. A minimum GPA of (B+ to A) or B+ on upper-level courses "exceptions are made on a case-by-case basis if the applicant can demonstrate academic growth since graduation"
3. Successful completion of an introductory statistics course

An admission committee will review your application. We are looking for students with dedication and enthusiasm for environmental sciences, who are able to benefit from and contribute to the program, and who have a desire to interact fully with faculty members and other students. Prior to applying, please review the MSc webpage and identify two faculty members whose research appeals to you. Admission will be determined by your academic and professional record, letters of recommendation, area of research interest and the ability of a faculty member to accept you into their research group.

Application

Contact the Graduate Admissions gradadmissions@tru.ca for an Admissions Requirements Package.

Application Requirements:

1. Completed TRU application form in which at least one TRU faculty member has been identified as a supervisor*
2. Two letters of recommendation written by professional or academic references. These letters must be submitted using the forms provided by the program. Visit www.tru.ca/science/programs/msces to download forms. The proposed supervisor cannot serve as a reference.
3. Cover letter outlining the applicant's interests. Applicants must provide an essay of 350 words or less describing previous research experience, reason for applying for graduate studies, what the student hopes to gain from and contribute to the program, areas of particular interest within the field, how the student hopes to apply knowledge after graduation, and any other information the student believes will be useful for the admissions committee.
4. Resume or curriculum vitae.
5. Official transcripts from all post-secondary institution attended.
6. Non-refundable application fee

*Prior to applying, applicants are strongly encouraged to contact a TRU faculty member who shares their research interests.

We strongly encourage all students to begin the program in the Fall semester; however, the admissions committee may consider Winter or Summer start dates under exceptional circumstances.

Applications received too close to the proposed starting date may not be processed in time.

Successful applicants will receive a letter of acceptance. A conditional letter of acceptance will be issued if an applicant has not yet finished their first undergraduate degree or some of the other application requirements are lacking (e.g., introductory statistics). This letter will also contain information concerning fee payment and other pertinent information.

Program Requirements

The MSc degree in Environmental Science requires the completion of 28 credit hours, including: two core courses, elective courses, and an independent research project culminating in a thesis. Students will select one of the three concentrations (Ecology and Evolution, Physical Sciences, Policy and Management), depending on their specific research interests. All students, regardless of concentration, are required to complete the 7 credit hours of core courses. The core courses are the backbone of our program where faculty and students from many different disciplines analyze and discuss environmental issues from different perspectives.

Core - 7 credits		
ENVS 5000	Environmental Science: Topics and Case Studies	4 credits
ENVS 5010	Research Methods, Preparation and Presentation	3 credits
Advanced Topics - 3 credits		
Choose one of:		
ENVS 5020	Advanced Topics in Ecology and Evolution	3 credits
ENVS 5030	Advanced Topics in Physical Sciences	3 credits
ENVS 5040	Advanced Topics in Policy and Management	3 credits
Electives - 6 credits		
3 of which must be selected in the chosen concentration		
3 of which must be selected in one of the other 2 concentrations		
Masters Thesis - 12 credits		

Continuous Enrolment and Residency Requirement

Students should normally be continuously enrolled from the time they first enrol for research credit until the thesis is accepted. They must also meet or consult with their Advisory Committee annually. All MSc students should normally spend no less than two semesters at TRU as full-time students, which means enrolled for a minimum of 9 credit hours per semester.

Program Contacts

Coordinator for the MSc Program

MsC_Coord@tru.ca
Graduate Admissions
gradadmissions@tru.ca
250.828.5402

Bachelor of Science Degree

A four-year degree program open to undergraduate students. Graduates receive a Bachelor of Science degree (BSc).

Learning Options

Full-time or Part-time

Students may study full-time or part-time.

On-Campus

The degree program is offered on the main campus of TRU in Kamloops.

Program Start Dates

Students may enter the program in Fall, Winter, or Summer semester.

Distance Education

Many courses are available by distance education. Visit www.tru.ca/distance.html http://www.tru.ca/distance.html

Program Overview

The Faculty of Science is committed to providing its students with a quality education emphasizing personal attention, choice and flexibility. In the Bachelor of Science program, students can expect opportunities for practical, hands-on experience across a spectrum of science disciplines in the classroom, in the lab, and in the field. In addition, there are opportunities for students to work with nationally and internationally recognized professor-researchers in their research laboratories.

The BSc is a rigorous program that provides students with both depth and breadth in their science education. Communication skills and computer literacy are promoted. Flexibility in the program allows students to pursue interests in disciplines outside their area of specialization.

TRU offers three routes to a BSc degree: a Major in a specific discipline or disciplines, an Honours program in a specific discipline (currently available only in Biology, Chemical Biology, Mathematics and Computing Science), or a General Science degree.

Many of our graduates are highly successful and have gone on to science careers in medicine, veterinary medicine, medical genetics, elementary and high school teaching, resource management, high tech industry, biotechnology, optometry, pharmacy, dentistry, wildlife management, respiratory therapy and more. A significant number of TRU Science graduates have been very successful in graduate schools and have received NSERC scholarships to continue their studies.

Service Learning

Students may take six credits of service learning during their third or fourth years. Of these six credits, three may be applied directly to the major. A service learning course is a faculty-supervised community-based learning project completed individually or in groups of up to five students.

Co-operative Education

Students planning to take a Major program in Biology, Chemical Biology, Chemistry, Computing Science, Mathematics or Physics may apply to enter the Co-operative Education option in one of these areas. This option integrates academic study terms with paid work terms, providing the student with relevant experience in their field of study, and usually requires an additional year for completion of the degree program. Applications to enter the Co-op option are made early in the student's second or third year of study and work terms normally commence at the end of that year.

Refer to Co-operative Education for detailed information on Co-op policies, procedures, and fees.

Biology Option

Students must have completed first year and will have completed three of BIOL 2160, BIOL 2170, BIOL 2280, BIOL 2290, before the first work term. Students must have a cumulative GPA of 2.33 to enter the BSc Biology Co-op Option and must maintain a cumulative GPA of 2.33 to remain eligible for Co-op.

Students must complete a minimum of three co-op work terms to graduate with Co-op Distinction. Biology students normally apply in the fall semester of their second year.

A Co-operative Education work term is considered a three-credit elective. Each program has different requirements for the elective. Contact the program advisor for more information.

Sample Biology Co-op Time Pattern

Term	Sep – Dec	Jan – Apr	May - Aug
Year 1	Academic Semester	Academic Semester	
Year 2	Academic Semester	Academic Semester	Co-op Work Term 1
Year 3	Academic Semester	Academic Semester	Co-op Work Term 2
Year 4	Co-op Work Term 3	Academic Semester	Co-op Work Term 4
Year 5	Academic Semester	Honors Thesis (if applicable)	Grad

Chemistry/Environmental Chemistry Option

Students must have completed first year and CHEM 1500/1510 or CHEM 1500/1520, and anticipate completing CHEM 2120/2220 and CHEM 2100/2250 prior to the first work term. A minimum cumulative GPA of 2.33 is required, and must be maintained throughout the Co-op program. For students applying to Co-op in third year, CHEM 3100 and CHEM 3120 or CHEM 3170 must be completed prior to the first work term, and at least *one* of the following: CHEM 3060, 3070, and 3080, or CHEM 3220, 3230 and 3240, or CHEM 3310, 3320, 3330 A minimum cumulative GPA of 2.33 is required and must be maintained.

Students must complete a minimum of three co-op work terms to graduate with Co-op Distinction. Chemistry students normally apply in the fall semester of their second or third year.

A Co-operative Education work term is considered a three-credit elective. Each program has different requirements for the elective. Contact the program advisor for more information.

Sample Chemistry/Environmental Chemistry Co-op Time Pattern

Term	Sep – Dec	Jan – Apr	May - Aug
Year 1	Academic Semester	Academic Semester	
Year 2	Academic Semester	Academic Semester	Co-op Work Term 1
Year 3	Co-op Work Term 2	Academic Semester	Co-op Work Term 3
Year 4	Academic Semester	Academic Semester	Co-op Work Term 4
Year 5	Co-op Work Term 5	Academic Semester	Grad

Physics Option

Applications will be accepted from 2nd and 3rd year Physics students who have completed or anticipate completing the following courses with a minimum cumulative 2.33 GPA prior to the first work term: PHYS 1100/1200 or 1150/1250, PHYS 2000, PHYS 2200, PHYS 2250, MATH 2110, MATH 2120, MATH 3170. As well, students must complete the following courses with a minimum cumulative 2.33 GPA prior to the first January work term in third year: PHYS 3200, PHYS 3250,and PHYS 3400; OR , PHYS 3090, PHYS 3140 and PHYS 3160. Completion of COMP 1130 or COMP 1520 is highly recommended. A minimum cumulative GPA of 2.33 must be maintained throughout the Co-op program. Preference will be given to students with a demonstrated background in computers and electronics.

Students must complete three co-op work terms to graduate with Co-op Distinction. Physics students apply in the fall semester normally of their second or third year.

A Co-operative Education work term is considered a three-credit elective. Each program has different requirements for the elective. Contact the program advisor for more information.

Sample Physics Co-op Time Pattern

Term	Sep – Dec	Jan – Apr	May - Aug
Year 1	Academic Semester	Academic Semester	
Year 2	Academic Semester	Academic Semester	
Year 3	Academic Semester	Co-op Work Term 1	Co-op Work Term 2
Year 4	Academic Semester	Academic Semester	Co-op Work Term 3
Year 5	Co-op Work Term 4	Academic Semester	Grad

Mathematics Option

Students must have a cumulative GPA of 2.67 to enter the BSc Math Co-op Option and must maintain a cumulative GPA of 2.67 throughout the Co-op option. Students must have completed a minimum of 48 credits before beginning work term 1.

Applicants must maintain a minimum cumulative GPA of 2.67 in B.Sc. degree courses. Students must complete three Co-op work terms to graduate with Co-op Distinction. Mathematics students normally apply for the Co-op option in the fall semester of their second or third year.

A Co-operative Education work term is considered a three-credit elective. Each program has different requirements for the elective. Contact the program advisor for more information.

Sample Mathematics Co-op Time Pattern

Term	Sep – Dec	Jan – Apr	May - Aug
Year 1	Academic Semester	Academic Semester	
Year 2	Academic Semester	Academic Semester	Co-op Work Term 1
Year 3	Academic Semester	Academic Semester	Co-op Work Term 2
Year 4	Co-op Work Term 4	Academic Semester	Co-op Work Term 3
Year 5	Academic Semester	Grad	

Computing Science Option

Students must have maintained a term and cumulative GPA of 2.33 in all BSc courses, and have completed COMP 2130 and 2230 prior to their first work term.

Sample Computing Science Co-op Time Pattern

Term	Sep – Dec	Jan – Apr	May - Aug
Year 1	Academic Semester	Academic Semester	
Year 2	Academic Semester	Academic Semester	Optional Co-op Work Term
Year 3	Academic Semester	Academic Semester	Co-op Work Term 1
Year 4	Co-op Work Term 2	Academic Semester	Co-op Work Term 3
Year 5	Academic Semester	Grad	

Note: Other Co-op Time Patterns are available. Contact the Co-op office for more details.

A Co-operative Education work term is considered a three-credit elective. Each program has different requirements for the elective. Contact the program advisor for more information.

International Experiences

Study Abroad

TRU offers a range of International Exchange opportunities, and is a member of a large, international Study Abroad program that gives students access to universities around the world. BSc students may want to spend one or more semesters of study at another university.

International Field Schools

TRU offers a number of general and program specific field schools every year. These schools run from two to six weeks in length and offer course credit that can be applied to your degree.

Admission Requirements

Students entering the Bachelor of Science program are required to complete English 1100 or 1110, along with specific science courses, which vary depending on the student's intended major. (See below for details.)

Prerequisites for English 1100 are:

- English 12/English 12 First Peoples with a minimum of 73% within the last 5 years
- Level 5 on the composition section of the Language Proficiency Index (within the last 2 years)

- Completion of English 0600 or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better.

Bachelor of Science majors have specific first year course requirements. It is strongly recommended that students become familiar with the prerequisite requirements for these courses before applying for admission. In general, the minimum prerequisite requirements for courses in the first year courses in the BSc programs are as follows:

Major	Prerequisites
Biology (all Majors)	Biology 11 or 12 with C+ or better
General Science	Chemistry 11 or Chem 0500
Chemistry Chemical Biology	Principles of Math 12 or Pre-calculus 12 with C+ or better within the past 2 years or equivalent
Environmental Chemistry	Physics 11 or Physics 1130
Computing Science	Chemistry 11 or Chem 0500
Mathematics Mathematical Sciences	Principles of Math 12 or Pre-calculus 12 with C+ or better within the past 2 years or equivalent
Physics	Physics 11 or Physics 1130

These are the minimum requirements. Several major programs recommend courses with more stringent prerequisite requirements. Prospective students should become familiar with the course requirements for their intended major and consult the individual course descriptions for specific prerequisite requirements.

Students may upgrade their prerequisites while enrolled in the Bachelor of Science program.

Applicants can take advantage of the Step One and Group Advising sessions offered throughout the school year to help make the process of applying and determining program requirements easier to understand. For more information, please contact Academic Advising at 250.828.5075 or advising@tru.ca.

Transfers to TRU

Students from another college or university may apply to transfer to TRU any time after October 1. BC Students intending to transfer should check www.bctransferguide.ca to see what credits may transfer.

Laddering Credit to the BSc Program

Course credit from the TRU Associate of Science degree may be applied toward a BSc degree. Contact the BSc Program Advisor elittley@tru.ca for more information.

Program Advising

Students in the first and second years of the BSc program should choose their 1000-2000 level courses in consultation with an Academic Advisor (advising@tru.ca) in order to meet the basic requirements and the specific prerequisite requirements for the 3000-4000 level courses for each Major. After completing 30 credits, but before completing 60 credits, students will be required to meet with the BSc Advisor (elittley@tru.ca) and declare a Major. The BSc Advisor will assist each student in selecting 3000-4000 level courses to meet the graduation requirements for each Major.

General Science Degree Program

The General Science program, leading to a Bachelor of Science degree, gives students an education in science that is broader than the Majors program, but still rigorous. The program offers students the opportunity to specialize at the upper level (third and fourth years) in two or more of the areas of biology, chemistry, earth sciences, mathematical and computing science (mathematics, computing science and statistics), and physics.

The goal of the General Science Degree Program is to give flexibility for graduates in the choice of career opportunities. Graduates should be particularly well prepared to enter a BEd Secondary Program to qualify for teaching in BC secondary schools. The degree may be used as the basis for entry into graduate school in some subjects; while for others further qualifying studies may be required. The courses available in the General Science Program also meet the course requirements for entry into the Faculty of Dentistry and the Faculty of Medicine at UBC and most other universities offering these programs, as well as the Veterinary Medicine program at the Western College of Veterinary Medicine at the University of Saskatchewan and the Pre-Veterinary year at the Ontario Veterinary College at the University of Guelph. Completion of these course requirements does not guarantee admission to these programs. Specific university calendars should be consulted for detailed admission requirements and application procedures for these programs.

The Bachelor of Science Degree in General Science also serves as excellent preparation for students planning to enter programs in Law and in Business Administration (MBA).

Course Requirements for the General Science Program

Completion of the Bachelor of Science Degree in General Science requires the completion of 120 TRU credits of course work. Normally 30 credits are taken each year for a period of four years. Completion of the degree on a part-time basis is also possible. A detailed description of course requirements is found later under 'Graduation Requirements'.

Upper Level Requirements (3000- and 4000-level courses)

There are two alternative routes to degree completion in the General Science program, both of which require completion of a minimum of 48 TRU credits of upper level courses. Of these upper level courses, a minimum of 30 credits or 36 credits, depending upon the alternative chosen, must be in upper level science courses (biology, chemistry, computing science, geology, mathematics, physics, and statistics), with the remaining upper level courses chosen from science (biology, chemistry, computing science, geology, mathematics, physics, statistics) or arts or business courses.

Alternatives

1. Completion of 18 upper level credits in each of two areas (chosen from biology, chemistry, computing science, geology, mathematics and statistics, physics). This alternative is

particularly recommended for students planning to qualify to teach in B.C. secondary schools.

2. Completion of at least 18 upper level credits in one of the six areas (biology, chemistry, computing science, geology, mathematics and statistics, physics) and at least 6 upper level credits in each of two other areas.

Students who successfully complete the BSc General Science degree program will have the subject area or areas, in which 18 or more TRU credits of upper level science courses were completed, recorded on their transcript.

Lower Level Requirements (1000- and 2000-level courses)
Students in the BSc in General Science must take (or have taken) 6 TRU credits of 1000 level mathematics (calculus) and three credits of 1000 level introductory courses in each of chemistry, computing science, physics, and either biology or geology in their first two years. The specific courses that are acceptable are listed under "Graduation Requirements". Students must also take 6 additional TRU science credits from any area of science (astronomy, biology, chemistry, computing science, geology, physical geography, physics, statistics) during their first two years. In addition, students must ensure that they obtain first year prerequisites for all second year courses they will require.

During the first two years at least six credits of English must also be completed. (Students who do not achieve a high level of performance in their first English course will be required to complete 9 credits of English.)

The General Science program requires careful planning by the student. Students must ensure that during their second year they complete the prerequisites to the upper level (3000- and 4000-level) courses they plan to take in subsequent years. Failure to do so may result in more than four years being required to complete their degree.

Students with sufficiently high standing may, with special permission from the BSc Advisor, enrol in a limited number of upper level courses prior to admission to third year. Normally, this may not exceed 6 upper level credits. These will count toward the 48 credits of upper level courses required for graduation.

Major Program

The Bachelor of Science (BSc) Major program is intended for students wishing to specialize in a single field of science. This may lead to graduate study if a sufficiently high standing is obtained.

The courses available in the BSc Major program also meet the course requirements for entry into a variety of professional programs such as:

- Dentistry, Medicine, Pharmaceutical Sciences and Rehabilitation Sciences at UBC and most other universities offering similar programs
- Veterinary Medicine program at the University of Saskatchewan
- Pre-veterinary year at the University of Guelph
- Optometry program at the University of Waterloo
- Chiropractic program at Canadian Memorial Chiropractic College
- Naturopathic Medicine program at the Canadian College of Naturopathic Medicine, as well as similar programs at other institutions in Canada and the United States.

Completion of these course requirements does not guarantee admission to these programs. Specific university calendars should be consulted for detailed admission requirements and application procedures for these programs.

Majors in the following areas are offered at TRU:

- Animal Biology
- Cellular, Molecular, and Microbial Biology
- Ecology and Environmental Biology
- Biology
- Chemical Biology
- Chemistry
- Computing Science
- Computing Science and Mathematics
- Environmental Chemistry
- Mathematics
- Mathematical Sciences
- Physics

Students wishing to enter a Major Program in these areas should meet with the BSc Advisor for further information.

Students wishing to include a broader range of courses in a Major Program may be able to proceed in a BSc Major program at TRU by completing as many of their course requirements as possible at TRU, and completing any remaining course requirements (to a maximum of 30 credits) at another university as a 'visiting student.' A Letter of Permission from TRU is required for 'visiting student' status.

Major Program with a Minor
Students in the BSc Major Program may also complete a Minor in a discipline or disciplines outside their major. This allows the student to acquire extensive experience in an area outside the discipline of their Major, and to identify this experience as a component of their degree on their transcript.

A student may pursue a Minor in either another area of Science (Biology, Chemistry, Computing Science, Mathematics and Statistics, or Physics) or in a discipline within the Arts for which sufficient upper level (3000 and 4000 level) courses are available. Students in the BSc Major Program may also be able to complete a minor in the following:

- Archaeology and Geology (Geoarchaeology)
- Computing Science
- Environmental Economics and Sustainability
- Management

A Minor requires the completion of at least 30 credits and no more than 42 credits in the area of the Minor. At least 18 of these credits

must be at the upper level (3rd or 4th year). No more than three of the required upper level credits can be the same for both the Major and the Minor. In addition to this, Minors in some disciplines have more specific requirements.

A Minor in Chemistry requires that at least one of the upper level credits is in a laboratory course.

Minor in Archaeology and Geology

Requires the completion of the following courses:	
GEOL 1110 or GEOG 1120	
GEOL 2050 or BIOL 1210 or GEOL 2290	
3 credits from first or second year Archaeology:	
ARCH 1110 or ARCH 1190 or ARCH 2190	
9 credits in third and fourth year Archaeology from:	
ARCH 3050	
ARCH 3060	
ARCH 3260	
ARCH 4110	
ARCH 4200	
ANTH 4330	
9 credits in third and fourth year Geology from:	
GEOL 3010	
GEOL 3030	
GEOL 3190	
GEOL 4250	
GEOL 4480	

Minor in Computing Science

Requires the completion of the following courses:	
COMP 1130	Computer Programming 1
COMP 1230	Computer Programming 2
COMP 1390	Discrete Structures 2
COMP 2230	Data Structures, Algorithm Analysis and Program Design
COMP 3520	Software Engineering
COMP 3540	Web Design and Programming
COMP 3610	Database Systems
One of the following:	
COMP 3260	Internet and Security Issues
COMP 3270	Computer Networks
COMP 4250	Computer Network Administration
At least 2 additional COMP at the 3000/4000 level	

Minor in Environmental Economics and Sustainable Development

Requires the completion of 12 credits of upper level courses from the list below.

ECON 3410	The Economics of Climate Change
ECON 3690	Community Economic Development
ECON 3700	Cost Benefit Analysis for Project Evaluation
ECON 3710	Environmental Economics
ECON 3990	*Special Topics in Economics
ECON 3730	Forestry Economics
ECON 3740	Land Use
ECON 4720	Sustainable Economic Development
ECON 4990	*Special Topics in Economics

*Note: The ECON 3990 and 4990 can be used only if special topics covered are related to the minor. The chairs/program advisor with consultation will make this decision.

Minor in Management

Requires the completion of the following courses:	
MATH 1240	Calculus 2
STAT 2000 or PSYC 2100 or ECON 2320 or BIOL 3000 or SOCI 2710	Introduction to Statistics Analysis of Psychological Data Economics and Business Statistics I Biometrics Introduction to Social Statistics
ACCT 2210	Financial Accounting
ORGB 2810	Organizational Behaviour
FNCE 2120	Financial Management
MKTG 2430	Introduction to Marketing
HRMN 2820	Human Resource Management
Three additional 3000/4000 business courses	

Students taking a Major in Mathematical Sciences cannot take a Minor in Computing Science.

Specific requirements for Minors programs in the Arts disciplines are detailed in the Bachelor of Arts Degree Program section of the calendar. Students intending to complete a Minor in one of these disciplines are advised to consult the BA Advisor.

Students considering a Minor must plan their program very carefully and should complete during their first two years any lower level (1000 and 2000 level) prerequisites required for the upper level courses they plan to take in the field of their Minor. In most cases the completion of a Major and a Minor will require the completion of more than 48 upper level credits and may, depending upon what lower level courses are taken, require the completion of more than a total of 120 credits for graduation.

Double Major Program

Students in the BSc program may complete Majors in two Science disciplines. (For example: Biology and Chemistry, Chemistry and Physics, Computing Science and Mathematics, Mathematics and Physics, etc.) A Double Major is not permitted in Mathematics and Mathematical Science since the amount of overlap in required courses in these two Majors is too great. A Double Major requires the completion of all the specific requirements for each Major and no more than six (6) of the required upper level credits can be the same for the two Majors. The completion of a Double Major will normally require five years (10 semesters) of study rather than the four years (8

semesters) required for a Major. Students wishing to plan a Double Major program should meet with the B.Sc. Advisor for further information

Students in the BSc program interested in study in a non-science area beyond the scope of a Minor may pursue a double degree and be awarded a degree in the second area in addition to the BSc (e.g. BSc and BA or BSc and BBA). Students must complete a minimum of 30 extra credits for the second degree and must meet the normal requirements in respect to courses and the number of credits of each program. Students are encouraged to declare, as early as possible, their intention to do a double program so that appropriate planning may be done.

Course Requirements for a Major Program
Completion of a Bachelor of Science Major Degree requires the completion of 120 TRU credits of course work. Normally 30 credits are taken each year for a period of four years. Completion of the degree on a part-time basis is also possible. A detailed description of course requirements is found below under "Graduation Requirements".

Lower Level and Upper Level Requirements
Specific lower level and upper level requirements are listed on the following pages under each Major Degree Program. Students must ensure that during their second year they complete necessary prerequisites to the courses they plan to take in subsequent years.

Honours Program
The intention of Honours programs is to provide motivated students with the opportunity to develop their research skills under the supervision of a faculty member and to have this recognized as part of their program. The completion of an Honours program should provide a competitive edge for students wishing to enter graduate or professional schools.

At present, Honours programs for B.Sc. students are available only in the field of Biology, Chemical Biology, Mathematics, and Computing Science. Specific requirements are listed under "Biology Majors and Honours Programs", "Chemical Biology Major and Honours Program", "Math Major and Honours Program" and "Computing Science Major and Honours Program".

Interdisciplinary Major and Honours Program in Chemical Biology
Students taking this program are eligible to enter the Biology or Chemistry Co-operative Education program, providing they meet the requirements.

An Honours program is available in Chemical Biology and requires the completion of 126 credits, including the 117 credits required for the Major as well as CHBI 3980-1 (Introduction to Research), CHBI 4980-2 (Honours Seminar) and CHBI 4990-6 (Honours Thesis). Students must apply for admission to the Chemical Biology Honours program at the end of their 3rd year. Acceptance into the program normally requires 4th year standing, a minimum GPA of 3.0 with at least at B grade in all Biology, Chemistry and required English courses.

Interdisciplinary Major and Honours Program in Chemical Biology - for students first registered September 2010 and later

Year 1 and 2	
CHEM 1500/1510 or 1500/1520	6 credits
BIOL 1110/1210	6 credits
PHYS 1100/1200 or PHYS 1150/1250	6 credits
MATH 1130/1230, MATH 1140/1240 or MATH 1150/1250	6 credits
ENGL 1100 or ENGL 1110 (or two of ENGL 1100, 1110, 1120, 1140 or 1210)[1]	3-6 credits
COMP 3 credits[2]	3 credits
CHEM 2100/2250	6 credits
CHEM 2120/2220	6 credits
CHEM 2160	3 credits

BIOL 2160	3 credits
BIOL 2130/2340	6 credits
CMNS 2290 or 2300[1]	3 credits
Electives	0-3 credits
Year 3 and 4	
CHEM 3100	3 credits
CHEM 3170	1 credit
CHEM 3220	3 credits
CHEM 3240	1 credit
CHEM 4450	3 credits
BIOL 3000	3 credits
BIOL 3130/3230	6 credits
BIOL 3350	3 credits
BIOL 4150/4250	6 credits
BIOL 3520	3 credits
Chemical Biology Electives[3]	7-9 credits
Electives[4]	18-21 credits

[1] Students with a B or better in ENGL 1100 or 1110 may proceed into CMNS 2290 or 2300 in their second year; students with less than a B in first year English must take another 3 credits of 1000-level English before their second year English requirement.

[2] Must be taken prior to third year.

[3] 5 or 6 credits from CHEM 3060, CHEM 3140, CHEM 3230, CHEM 3310, CHEM 3330, CHEM 4220, CHEM 4320, CHEM 4420, CHEM 4480, CHEM 4600, BIOL 3200, BIOL 3510, BIOL 3540, BIOL 3550, BIOL 4350, BIOL 4488, BIOL 4490, PHIL 4330 or 4350.

[4] Electives must include 9-12 credits in at least two disciplines outside Science (other than English). The remaining elective credits may be chosen from any discipline; at least 9 of these must be courses numbered 3000 or higher.

Biology Programs
The Biology program offers students numerous opportunities to engage in research during their BSc. These include lab and field based projects within program courses as well as independent research projects and collaborations with faculty members as part of a Directed Studies option, Honours Thesis, or through student research grants.

There are four undergraduate options leading to a BSc degree in Biology at TRU: Animal Biology, Cellular, Molecular and Microbial Biology, Ecology and Environmental Biology, and General Biology.**Major In Animal Biology**

Major in Animal Biology - for students first registered September 2010 and later

Year 1	
BIOL 1110/1210	6 credits
CHEM 1500/1510 or 1500/1520	6 credits
ENGL 1100 or 1110[1]	3 credits
ENGL 1100 , 1110, 1120, 1140, 1150, 1210, CMNS 2290 or 2300[2]	3 credits
MATH 1130/1230 or 1140/1240 or 1150/1250	6 credits
PHYS 1100/1200 or 1150/1250[5]	6 credits
Year 2	
BIOL 2130/2340	6 credits
BIOL 2170 and 2290	6 credits
BIOL 2160 or 2280	3 credits
BIOL 2300	1 credit
3 credits of COMP chosen from COMP 1000, 1010, 1020, 1030, 1040, 1050, 1070, 1080,1090, 1130 or 1150[1]	3 credits
CHEM 2120/2220	6 credits
Electives[3]	6 credits
Year 3 and 4	
BIOL 2160 or 2280 (not taken in 2nd year)	3 credits
BIOL 3000	3 credits
BIOL 3030	3 credits
BIOL 3130/3350	6 credits
BIOL 3540/3550	6 credits
BIOL 4130 or 4140	3 credits
BIOL 3300 and 4300	2 credits
Animal Biology Electives[4]	18 credits
Electives[3]	15 credits

[1] Must be taken prior to 3rd year.

[2] Students with a B or better in ENGL 1100 or 1110 may take CMNS 2290 or 2300 without taking a second 1st year ENGL course.

[3] Electives must include at least 9 credits in disciplines outside of science, and must include at least 2 disciplines (other than English) outside of science. The remaining electives can be chosen from any academic discipline; at least 9 of those credits must be in courses numbered 3000 or higher.

[4] Animal Biology electives: BIOL 3100, BIOL 3200, BIOL 3230, BIOL 3290, BIOL 3310, BIOL 3520, BIOL 4020, BIOL 4090, BIOL 4100, BIOL 4160, BIOL 4270, BIOL 4350, BIOL 4480, BIOL 4490 (and BIOL 3980/4980 with admission to the Honours program).

[5] Students with a grade of 80% or better in Physics 12 only need to complete 3 credits of first year Physics, PHYS 1150. The remaining 3 credits may be taken in any subject area

Major In Biology
Major in Biology - for students first registered September 2010 and later.

Year 1	
BIOL 1110/1210	6 credits
CHEM 1500/1510 or 1500/1520	6 credits
ENGL 1100 or 1110[1]	3 credits
ENGL 1100, 1110, 1120, 1140, 1150, 1210, CMNS 2290 or 2300[2]	3 credits
MATH 1130/1230 or 1140/1240 or 1150/1250	6 credits
PHYS 1100/1200 or 1150/1250[3]	6 credits
Year 2	
BIOL 2130/2340	6 credits
three of: BIOL 2160, 2170, 2280 and 2290	9 credits
BIOL 2300	1 credit
3 credits of COMP chosen from COMP 1000, 1010, 1020, 1030, 1040, 1050, 1070, 1130 or 1150[1]	3 credits
CHEM 2120/2220	6 credits
Electives[4]	6 credits
Year 3 and 4	
one of BIOL 2160, 2170, 2280 and 2290 not taken in 2nd year	3 credits
BIOL 3000	3 credits
BIOL 3030	3 credits
BIOL 3130/3350	6 credits
two of BIOL 3510, 3520, 3540, 3550 or one of these and both of BIOL 4110 and 4210[5]	6 or 9 credits
BIOL 3300 and 4300	2 credits
BIOL 4130 or 4140	3 credits
Biology Electives[5,6]	12 credits
Electives[4]	21 credits

[1] Must be taken prior to third year.

[2] Students with a B or better in ENGL 1100 or 1110 may take CMNS 2290 or 2300 without taking a second 1st year ENGL course.

[3] Students with a grade of 80% or better in Physics 12 only need to complete 3 credits of first year Physics, PHYS 1150. The remaining 3 credits may be taken in any subject area

[4] Electives must include at least 9 credits in disciplines outside of science, including at least 2 disciplines (other than English) outside of science. The remaining electives can be chosen from any academic discipline; at least 15 of those credits must be in courses numbered 3000 or higher.

[5] Biology Electives: BIOL 3100, BIOL 3200, BIOL 3210, BIOL 3230, BIOL 3240, BIOL 3290, BIOL 3310, BIOL 3430, BIOL 3510, BIOL 3520, BIOL 3540, BIOL 3550, BIOL 4020, BIOL 4090, BIOL 4100, BIOL 4110, BIOL 4150, BIOL 4160, BIOL 4210, BIOL 4250, BIOL 4260, BIOL 4270, BIOL 4350, BIOL 4480, BIOL 4490 (and BIOL 3980/4980 with admission to the Honours program).

[6] If the student chooses the BIOL 4110/4210 plus one other from BIOL 3510, 3520, 3540, 3550 then only 9 credits of Biology electives are required.

Major in Cellular, Molecular and Microbial Biology - for students first registered September 2010 and later.

Year 1	
BIOL 1110/1210	6 credits
CHEM 1500/1510 or 1500/1520	6 credits
ENGL 1100 or 1110[1]	3 credits
ENGL 1100 ,1110, 1120, 1140, 1150, 1210, CMNS 2290 or 2300[2]	3 credits
MATH 1130/1230 or 1140/1240 or 1150/1250	6 credits
PHYS 1100/1200 or 1150/1250[5]	6 credits
Year 2	
BIOL 2130/2340	6 credits
BIOL 2160	3 credits
2 of BIOL 2170, 2280 and 2290	6 credits
BIOL 2300	1 credit
3 credits of COMP chosen from COMP 1000, 1010, 1020, 1030, 1040, 1050, 1070, 1080, 1090, 1130 or 1150[1]	3 credits
CHEM 2120/2220	6 credits
Electives[3]	6 credits
Year 3 and 4	
1 of BIOL 2170, 2280 and 2290 not taken in 2nd year	3 credits
BIOL 3000	3 credits
BIOL 3130/3230	6 credits
BIOL 3350/3520	6 credits
BIOL 3210	3 credits
BIOL 4110/4210	6 credits
BIOL 4130	3 credits
BIOL 4250	3 credits
BIOL 4350	3 credits
BIOL 3300 and 4300	2 credits
CMMB Electives[4]	6 credits
Electives[3]	18 credits

[1] Must be taken prior to 3rd year.

[2] Students with a B or better in ENGL 1100 or 1110 may take CMNS 2290 or 2300 without taking a second 1st year ENGL course.

[3] Electives must include at least 9 credits in disciplines outside of science, including at least 2 disciplines (other than English) outside of science. The remaining electives can be chosen from any academic discipline; at least 9 of those credits must be in courses numbered 3000 or higher.

[4] CMMB Electives: BIOL 3200, BIOL 3310, BIOL 3510, BIOL 4150, BIOL 4480, BIOL 4490 (and BIOL 3980/4980 with admission to the Honours program).

[5] Students with a grade of 80% or better in Physics 12 only need to complete 3 credits of first year Physics, PHYS 1150. The remaining 3 credits may be taken in any subject area

Major in Ecology and Environmental Biology

Major in Ecology and Environmental Biology - for students first registered September 2010 and later.

Year 1	
BIOL 1110/1210	6 credits
CHEM 1500/1510 or 1500/1520	6 credits
ENGL 1100 or 1110[1]	3 credits
ENGL 1100, 1110, 1120, 1140, 1150, 1210, CMNS 2290 or 2300[2]	3 credits
MATH 1130/1230 or 1140/1240 or 1150/1250	6 credits
PHYS 1100/1200 or 1150/1250[6]	6 credits
Year 2	
BIOL 2130/2340	6 credits
BIOL 2170, 2280 and 2290	9 credits
BIOL 2300	1 credit
3 credits of COMP chosen from COMP 1000, 1010, 1020, 1030, 1040, 1050, 1070, 1080, 1090, 1130 or 1150[1]	3 credits
CHEM 2120/2220	6 credits
Electives[3]	6 credits
Year 3 and 4	
BIOL 2160 (not taken in 2nd year)	3 credits
BIOL 3000	3 credits
BIOL 3030	3 credits
BIOL 3130/3350	6 credits
two of BIOL 3510, 3520, 3540, 3550 or one of these and both of BIOL 4110 and 4210[5]	6 or 9 credits
BIOL 3300 and 4300	2 credits
BIOL 4130 or 4140	3 credits
Ecology Electives[5]	18 credits
Electives[6]	15 credits

[1] Must be taken prior to third year.

[2] Students with a B or better in ENGL 1100 or 1110 may take CMNS 2290 or 2300 without taking a second 1st year ENGL course

[3] Electives must include at least 9 credits in disciplines outside of science, including at least 2 disciplines (other than English) outside of science. The remaining electives can be chosen from any academic discipline; at least 9 of those credits must be in courses numbered 3000 or higher.

[4] Ecology and Environmental Biology Electives: BIOL 3100, BIOL 3210, BIOL 3240, BIOL 3290, BIOL 3430, BIOL 4020, BIOL 4090, BIOL 4100, BIOL 4160, BIOL 4260, BIOL 4270, BIOL 4480, BIOL 4490 (and BIOL 3980/4980 with admission to the Honours program).

[5] Electives If the student chooses the BIOL 4110/4210 plus one other from BIOL 3510, 3520, 3540, 3550 then only 12 credits of Ecology and Environmental Biology electives are required.

[6] Students with a grade of 80% or better in Physics 12 only need to complete 3 credits of first year Physics, PHYS 1150. The remaining 3 credits may be taken in any subject area

Honours Program

An Honours program may be taken in any one of these four areas and requires the completion of 126 credits, including the 117 credits required for a Major in any of these areas as well as BIOL 3980-1 (Introduction to Research), BIOL 4980-2 (Honours Seminar) and BIOL 4990-6 (Honours Thesis). Students must apply for admission to the Biology Honours program at the end of their 3rd year. Acceptance into the program normally requires 4th year standing, a minimum GPA of 3.0 with at least a B grade in all Biology and required English courses.

Program Contact

Department Chair
250.828.5544

Chemistry Programs

The TRU Major in Chemistry and Major in Environmental Chemistry programs are fully accredited by the Canadian Society for Chemistry.

Major in Chemistry

Year 1 and 2	
CHEM 1500/1510 or 1500/1520	6 credits
BIOL 1110,[1]	3 credits
COMP 3 credits[1]	3 credits
ENGL 1100 or 1110[2]	3 credits
(or two of ENGL 1100, 1110, 1120, 1140 and 1210) [2]	(6 credits)
MATH 1130/1230 or 1140/1240 or 1150/1250	6 credits
PHYS 1100/1200 or 1150/1250	6 credits
CHEM 2100/2250	6 credits
CHEM 2120/2220	6 credits
CHEM 2160	3 credits
MATH 2110/2120	6 credits
CMNS 2290 or 2300 [1,2]	3 credits
Electives [3]	6-12 credits
Year 3 and 4	
CHEM 3060	3 credits
CHEM 3070	3 credits
CHEM 3080L	1 credit
CHEM 3100 [4]	3 credits
CHEM 3120L[4]	1 credit
CHEM 3140	3 credits
CHEM 3220	3 credits
CHEM 3230	3 credits
CHEM 3240L	1 credit
CHEM 3310	3 credits
CHEM 3320	3 credits
CHEM 3330L	1 credit
CHEM 3730	3 credits
CHEM 4400L	1 credit

Chemistry Electives:	
one of (Selected Topics):	3 credits
CHEM 4070/4090/4600 [5] CHEM 4220/4320 [6]	
one of (Advanced Laboratory):	1 credit
CHEM 4410L/4420L/4430L	
One of:	3 credits
CHEM 3010/3020/3030/4480	
Or additional one of :	3 credits
CHEM 4070/4090/4220/4320/4600	
Electives [3]	24 credits

[1] Must be taken prior to third year.

[2] Students with a grade of B or better in ENGL 1100 (or 1110) may proceed to either of the required CMNS 2290 or 2300 in their second year; students with less than a B grade in their first year English course are required to take another 3 credits of first year English (1110 or 1210) before their second year English requirement.

[3] Electives must include 9-12 credits in at least two disciplines outside of science (other than English). The 24 remaining credits may be chosen from any discipline; at least 12 of these must be in courses numbered 3000 and higher.

[4] These courses must be taken in the Fall Semester of Third Year.

[5] Offered in winter semester of alternate “odd” years.

[6] Offered in winter semester of “even” years.

Major in Environmental Chemistry

Year 1 and 2	
BIOL 1110/1210	6 credits
CHEM 1500/1510 or 1500/1520	6 credits
COMP 3 credits[1]	3 credits
ENGL 1100 or 1110[2]	3 credits
(or two of ENGL 1100, 1110, 1120, 1140 and 1210) [2]	(6 credits)
MATH 1130/1230 or 1140/1240 or 1150/1250	6 credits
PHYS 1100/1200 or 1150/1250	6 credits
CHEM 2100/2250	6 credits
CHEM 2120/2220	6 credits
CHEM 2160	3 credits
CMNS 2290 or 2300 [1,2]	3 credits
MATH 2110	3 credits
STAT 2000 [3] or BIOL 3000 [3]	3 credits
Electives [4]	3-6 credits
Year 3 and 4	
CHEM 3010	3 credits
CHEM 3020	3 credits
CHEM 3060	3 credits
CHEM 3070	3 credits
CHEM 3080L	1 credit
CHEM 3100 [5]	3 credits
CHEM 3120L[5]	1 credit
CHEM 3140	3 credits

CHEM 3220	3 credits
CHEM 3230	3 credits
CHEM 3240L	1 credit
CHEM 3310	3 credits
CHEM 3320	3 credits
CHEM 3330L	1 credit
CHEM 3730[8]	3 credit
CHEM 4400L	
Chemistry Electives:	
One of selected topics:	3 credits
CHEM 4070/4090/4600 [6] CHEM 4220/4320 [7]	
one of (Advanced Laboratory):	1 credit
CHEM 4410L/4420L/4430L	
Environmental Chemistry Electives:	
Six upper-level credits of relevance to Environmental Chemistry approved by the Chair of the Department of Physical Sciences or their designate.	6 credits
Electives	15 credits

1	Must be taken prior to third year.
2	Students with a grade of B or better in ENGL 1100 (or 1110) may proceed to either of the required CMNS 2290 or 2300 in their second year; students with less than a B grade in their first year English course are required to take another 3 credits of first year English (1110 or 1210) before their second year English requirement.
3	Credit will be given for only one Introductory Statistics course (see note under Statistics Course Descriptions) and BIOL 3000 requires MATH 1140/1240 or MATH 1150/1250 and Third Year standing.
4	Electives must include 9-12 credits in at least two disciplines outside of science (other than English).
5	These courses must be taken in the Fall Semester of Third Year.
6	Offered in winter semester of alternate “odd” years.
7	Offered in winter semester of “even” years.

Program Contact

250.371.5989

Computing Science Programs

TRU's Computing Science program offers small class sizes, quality instruction by approachable instructors, and excellent access to dedicated labs equipped with modern hardware and software.

Major in Computing Science

Year 1 and 2	
BIOL 1110 or 1210 or GEOL 1110 or 2050	3 credits
CHEM 1500	3 credits
COMP 1130/1230 OR COMP 2120	6 credit 3 credits
COMP 1380, 1390, 2130, 2210, 2230	15 credits
ENGL 1100 or 1110[1]	3 credits
(or two of ENGL 1100 , 1110, 1120, 1140 and 1210)[1]	(6 credits)
MATH 1130/1230 or 1140/1240	6 credits
PHYS 1100 or 1150	3 credits
CMNS 2290 or 2300[1]	3 credits
MATH 2120	3 credits
STAT 2000	3 credits
Elective[2]	9-15 credits
Year 3 and 4	
COMP 3050/3270/3410/3520/3610/4530/4910	21 credits
Computing Science Electives	15 credits
Electives[2]	24 credits

1	Students with a B or better in ENGL 1100 or 1110 may proceed into CMNS 2290 or 2300 in their second year; students with less than a B in first year English must take another 3 credits of 1000-level English before their second year English requirement.
2	Electives must include 9-12 credits in at least two disciplines outside of Science (other than English). The remaining elective credits may be chosen from any discipline; 12 of these must be in courses numbered 3000 or higher.

Honours in Computing Science

Complete the requirements of the Major in Computing Science plus the following:

1. A total of 126 credit
2. A 6 credit thesis course COMP 4960
3. Two theory based Computing Science courses from the following list:

   - 3110 Models of Computation
   - 3120 Programming Languages
   - 3130 Formal Languages, Automata & Compatibility
   - 3320 Computational Methodology
   - 3710 Artificial Intelligence
   - 3820 Computer Graphics and User Interface
   - 4110 Language Processors
   - 4120 Distributed Systems
   - 4320 Advanced Computational Methodology
   - 4340 Modelling and Simulation
   - 4480 Directed Studies
   - 4740 Expert Systems

- 4750 Neural Networks
- 4980 Current Topics in CS (if approved by coordinator)

4. Two upper level Math courses from the following list:

- 3000 Complex Variables
- 3020 Introduction to Probability
- 3030 Introduction to Stochastic Processes
- 3070 Linear Algebra
- 3120 Introduction to number theory
- 3160 Differential Equations
- 3170 Calculus
- 3200 Real Variables
- 3220 Abstract Algebra
- 3400 Introduction to Linear Programming
- 3510 Problem Solving in Applied Math
- 3650 Numerical Analysis
- 3990 Selected topics in Math
- 4410 Modelling of Discrete Optimization problems
- 4420 Optimization in Graphs and Networks
- 4430 Introduction to Graph Theory
- 4980 Directed Studies in Mathematics
- 4990 Selected Topics in Math

Related Programs

Degree Programs:

Bachelor of Science (BSc) in Computing Science and Mathematics
Bachelor of Computing Science (BCS)
Bachelor of Computing Science and BBA double degree

Diploma Programs:

Computer Systems: Operations and Management

Program Contact

250.371.5696

Computing Science and Mathematics Programs

Year 1 and 2	
BIOL 1110 or 1210 or GEOL 1110 or 2050	3 credits
CHEM 1500	3 credits
COMP 1130/1230 OR COMP 2120	6 credits 3 credits
COMP 1380, 1390 OR MATH 1700	6 credits 3 credits
COMP 2130, 2210, 2230	9 credits
ENGL 1100 or 1110[1] (or two of ENGL 1100 , 1110, 1120, 1140 and 1210)[1]	3 credits (6 credits)
MATH 1130/1230 or 1140/1240	6 credits
PHYS 1100 or 1150	3 credits
CMNS 2290 or 2300[1]	3 credits
MATH 2110/2120/2200/2700	12 credits
STAT 2000	3 credits
Electives[2]	3-9 credits
Year 3 and 4	
COMP 3050/3270/3410/3520/3540/3610/4530/4910	24 credits
One of MATH 3000 or 3200	3 credits
One of MATH 3070 or 3220	3 credits
MATH 3650	3 credits
MATH/STAT electives numbered 3000 or above	15 credits
Electives[2]	12 credits

1 Students with a B or better in ENGL 1100 or 1110 may proceed into CMNS 2290 or 2300 in their second year; students with less than a B in first year English must take another 3 credits of 1000-level English before their second year English requirement.

2 Electives must include 9-12 credits in at least two disciplines outside of Science (other than English). The remaining elective credits may be chosen from any discipline.

Related Programs
Degree Programs:

Bachelor of Science (BSc) in Computing Science
Bachelor of Computing Science (BCS)
Bachelor of Computing Science and BBA double degree

Diploma Programs:

Computer Systems: Operations and Management

Program Contact

250.371.5987

Mathematical Sciences Program

Year 1 and 2	
BIOL 1110 or 1210 or GEOL 1110 or 2050	3 credits
CHEM 1500	3 credits
COMP 1130/1230	6 credits
ENGL 1100 or 1110[1,]	3 credits
(or two of ENGL 1100 , 1110, 1120, 1140 and 1210)'	(6 credits)
MATH 1130/1230 or 1140/1240	6 credits
MATH 1700/2700 [2]	6 credits
PHYS 1100 or 1150	3 credits
CMNS 2290 or 2300' [1]	3 credits
MATH 2110/2120/2200	9 credits
COMP 2130/2230	6 credits
STAT 2000	3 credits
Elective[3]	6-9 credits
Year 3 and 4	
MATH 2240/3030/3070/3400	12 credits
MATH 3020	3 credits
COMP 3050/3520/4520	9 credits
Two of: COMP 3130/3710/4320/4340/4920	6 credits
STAT 3050/3060/4040	9 credits
Electives[3]	24 credits

1 Students with a B or better in ENGL 1100 or 1110 may proceed into CMNS 2290 or 2300 in their second year; students with less than a B in first year English must take another 3 credits of 1000-level English before their second year English requirement.

2 MATH 1380/1390 or COMP 1380/1390 may be substituted for MATH 1700

3 Electives must include 9-12 credits in at least two disciplines outside of Science (other than English). The remaining elective credits may be chosen from any discipline; 12 of these must be in courses numbered 3000 or higher.

Related Programs

Bachelor of Science in Computing Science and Mathematics, Bachelor of Arts in Mathematics

Program Contacts

rtaylor@tru.ca
250.371.5987

Major and Honours in Mathematics

An Honours degree in Mathematics may be taken, the specifics of which are noted below. Students will be required to complete 126 credits for the degree, maintain an overall GPA of 3.0, as well as a GPA of 3.0 in each of their third and fourth years, with no individual course below a B- grade.

Year 1 and 2	
BIOL 1110 or 1210 or GEOL 1110 or 2050	3 credits
CHEM 1500	3 credits
COMP 1130 and 1230	6 credits
ENGL 1100 or 1110[1]	3 credits
(or two of ENGL 1100, 1110, 1120, 1140 and 1210)	(6 credits)
MATH 1130/1230 or 1140/1240	6 credits
PHYS 1100 or 1150	3 credits
CMNS 2290 or 2300 [1]	3 credits
MATH 1700/2700 [7]	6 credits
MATH 2110	3 credits
MATH 2120	3 credits
MATH 2200	3 credits
MATH 2240 or STAT 2000	3 credits
Electives [2]	12-15 credits
First registered in Science Fall 2004 and later	
Year 3 and 4	
At least one of MATH 3070 or MATH 3220	3 credits
At least one of MATH 3000 or MATH 3200	3 credits
MATH courses numbered 3000 or above[3]	21 credits
MATH, STAT or COMP courses numbered 3000 or above[3,4,6]	9 credits
Honours in Mathematics	
Year 3 and 4	
MATH 3000, 3070, 3200, 3220 and 4950	18 credits
MATH courses numbered 3000 or above[3]	15 credits
MATH, STAT, or COMP courses numbered 3000 or above[6]	9 credits
Electives[2]	24 credits

1 Students with a B or better in ENGL 1100 or 1110 may proceed into CMNS 2290 or 2300 in their second year; students with less than a B in first year English must take another 3 credits of 1000-level English before their second year English requirement.

2 Electives must include 9-12 credits in at least two disciplines outside of science (other than English). The remaining elective credits may be chosen from any discipline; 18 of these must be in courses numbered 3000 or higher. For Honours students, 12 must be numbered 3000 or higher

3 COMP, MATH and STAT courses can be chosen from:
COMP 3050, COMP 3110, COMP 3120, COMP 3130, COMP 3270, COMP 3410, COMP 3510, COMP 3520, COMP 3540, COMP 3610, COMP 3710, COMP 4110, COMP 4120, COMP 4230, COMP 4240, COMP 4320, COMP 4340, COMP 4510, COMP 4520, COMP 4610, COMP 4620, COMP 4740, COMP 4750, COMP 4820, COMP 4830, COMP 4980
MATH 3000, MATH 3020, MATH 3030, MATH 3070, MATH 3080, MATH 3120, MATH 3160, MATH 3170, MATH 3200, MATH 3220, MATH 3400, MATH 3510, MATH 3650, MATH 3700, MATH 4410, MATH 4420, MATH 4430

STAT 3050, STAT 3060, STAT 4040

Note: Not all these courses will be offered every year.

4 Students interested in pursuing COMP 3000- or 4000 level courses must first complete COMP 2130/2230.

6 No more than 6 of these 9 credits may be in Computing Science.

7 MATH 1380/1390 or COMP 1380/1390 may be substituted for MATH 1700

Physics

The Physics and Astronomy department strives to provide an environment where academic excellence and technical relevance are delivered in a learner-centered atmosphere. If you are looking for an undergraduate degree that provides you with a solid foundation in science, a major in Physics is for you.

A co-op option is also available should you wish to complement your academic studies with work experience.

Major in Physics

The following requirements for Physics Majors apply to those students entering first year in the Fall 2009 and thereafter. Requirements for students who entered first year prior to Fall 2009 are noted.

Year 1	
BIOL 1110 or 1210 or GEOL 1110 or 2050[2]	3 credits
CHEM 1500/1510 or CHEM 1500/1520	6 credits
COMP 1520 or COMP 1130[2,3]	3 credits
ENGL 1100 or 1110[4]	3 credits
(or two of ENGL 1100, 1110, 1120, 1140 and 1210)[5]	(6 credits)
MATH 1130/1230 or 1140/1240	6 credits
PHYS 1100/1200 or 1150/1250[5]	6 credits
Electives [6]	0-3 credits
Year 2	
CMNS 2290 or 2300[2,4]	3 credits
MATH 2110	3 credits
MATH 2120	3 credits
MATH 2240	3 credits
MATH 3170	3 credits
PHYS 2000	3 credits
PHYS 2150	3 credits
PHYS 2200	3 credits
PHYS 2250	3 credits
Electives[6]	3 credits
First registered in Science prior to Fall 2004	
Year 3 and 4	
PHYS 3080	3 credits
PHYS 3090	2 credits
PHYS 3100	2 credits
PHYS 3250	3 credits
PHYS 3120 or MATH 3160	3 credits
PHYS 3130	3 credits
PHYS 4120	3 credits
Physics Electives[7]	12 credits
Electives[6]	30 credits

First registered in Science Fall 2004 and thereafter	
Year 3 and 4	
PHYS 3080	3 credits
PHYS 3090	3 credits
PHYS 3100	3 credits
PHYS 3120	3 credits
PHYS 3160	3 credits
PHYS 3200	3 credits
PHYS 3250	3 credits
PHYS 3400	3 credits
PHYS 4400	3 credits
Physics Electives[7]	12 credits
Electives	21 credits
1 May be taken in first or second year.	
For students who entered first year science between Fall 1997 and Fall 2008, COMP 1000 is also acceptable.	
Students with a B or better in ENGL 1100 or 1110 may proceed into CMNS 2290 or 2300 in their second year; students with less than a B in first year English must take another 3 credits of 1000-level English before their second year English requirement.	
Recommended course for students planning on a Major program	
Electives must include 9-12 credits in at least two disciplines outside of science (other than English). The 21-24 remaining elective credits may be chosen from any discipline; 15 of these credits must be in courses numbered 3000 or above.	
Physics Electives include:	
PHYS 3140	3 credits
PHYS 3150	3 credits
PHYS 3180 or PHYS 3200	3 credits
PHYS 3300	3 credits
PHYS 3500	3 credits
PHYS 4140	3 credits
PHYS 4480	3 credits
Note: Not all upper level Physics courses are offered every year, but they will be alternated over a two-year period.	

Program Contact

250.371.5989

Program Planning

Students should begin planning their upper level course programs no later than at the start of their second year. This is particularly important in those Major programs in which there is little flexibility in course selection. Although the General Science program allows the student a good deal of flexibility in course selection, it is very important that students pay close attention to the prerequisite requirements of various courses. Failure to do so may severely limit the courses students are able to enrol in during any one year. Students are strongly advised to consult with a TRU Academic Advisor or the B.Sc. Advisor to assist them with their program planning.

Entry into Year 3

Students currently registered in Science at TRU will automatically be admitted to the third year of the degree program once they have met the requirements listed below.

Students new to TRU or attending TRU outside of the Sciences Program must submit applications for admission to the third year of the BSc program in either Major program(s) or the General Science program to the Admissions Office by April 15. These students will then receive written notice of their admission status. Students accepted into the program will then be required to select their courses for the upcoming year in consultation with the BSc Advisor.

Late applications will be considered only if space is available.

Limitation of Enrolment

It may be necessary to limit enrolment in certain courses if the demand is greater than the resources available. When limitations in enrolments become necessary, admission to 3000 and 4000 level year courses will be selective with students having the highest overall grade point averages, and students requiring specific courses for graduation, being given preference.

Academic Requirements: Entry into Year 3

A minimum grade point average of 2.0 for all previous university credit courses attempted.

Completion of 54 or more TRU credits which include:

- 6-9 TRU credits from English including 3 or 6 credits from ENGL 1100, 1110, 1210 (depending on the grade obtained in the first English course taken) and CMNS 2290 or 2300
- Minimum of 18 credits in introductory courses in Science and Mathematical and Computing Science as specified in section 4. a) under Graduation Requirements in the TRU Calendar
- Minimum of 6 credits in 2000-level science courses

Entry into Year 4

Completion of 84 or more TRU credits of which 50 or more credits must be in Science and Mathematical and Computing Science.

Program Approval: Third and Fourth Year Students

Students applying for admission to the third and fourth years of the Major or General Science Programs must have their proposed course programs approved by the B.Sc. Advisor each year before registration.

Graduation Requirements

BSc Degree (Major) and BSc Degree (General Science)

1. Completion of at least 120 TRU course credits with a minimum cumulative GPA of 2.0. (Up to 60 credits may be transferred from another institution.) These credits may NOT include BIOL 1040, BIOL 1050, BIOL 1090, BIOL 3600, CHEM 1310, MATH 1000, MATH 1080, MATH 1100, MATH 1420, MATH 1900, PHYS 1130, any Physical Education activity courses or any non-academic courses. If in doubt, students should contact an academic advisor or the B.Sc. Advisor. Remedial courses with course numbers less than 1000 are also excluded.
2. At least 72 credits in Science disciplines (Astronomy (excluding ASTR 1130, 1140 and 1150), Biology, Chemistry, Computing Science, Forestry, Geology, Mathematics, Natural Resource Science, Physical Geography, Physics or Statistics).
3. At least 18 credits in courses outside of Science including at least 6 credits of English and 9 to 12 credits in at least two disciplines other than English. These credits may include no more than 3 credits from one of STSS 1030, 1040, 1050, 1060, 1080 or EDCP 1010. Students planning to take either of these courses must do so during their first or second year.

Specific lower level requirements:

- 24 (or 27*) credits of introductory science including:
- 6 credits in Mathematics (MATH 1130/1230, MATH 1140/1240 or MATH 1150/1250)
- 3 credits of Chemistry (CHEM 1500)
- 3 credits of Physics (PHYS 1100 or PHYS 1150)
- 3 credits of Computing Science
- 3 credits of Biology (BIOL 1110 or BIOL 1210); or
- 3 credits of Geology (GEOL 1110 or GEOL 2050)
- 6 (or 9*) other credits of introductory science as required for a student's Major or area of concentration. (See specific requirements for each degree area.)

*Required for students majoring in Biology, Environmental Chemistry or Chemical Biology

- 6 to 9 credits of English including:
    - 3 credits first year English with a grade of B or better (ENGL 1100, ENGL 1110, ENGL 1120, ENGL 1140, ENGL 1210) or 6 credits of first year English; and
    - 3 credits of second year English (CMNS 2290 or CMNS 2300)
    - 24 to 30 credits in other first and second year courses, for a total of 60 credits. (See specific requirements for each degree area.)

Note: Students should be careful to include courses which are prerequisite to any 3000/4000 level courses which are required in their chosen program.

Specific upper level requirements:

- At least 48 credits in courses numbered 3000 or above including

For a BSc Degree (Major):

- 30 to 41 credits in courses numbered 3000 or above in the area of the major as outlined under the individual major options
- The remaining upper level credits may be from any area of Arts, Humanities, Business, or Science

For a BSc Degree (Major) With a Minor:

- Meet the requirements of the B.Sc. Major; and
- 18 credits in courses numbered 3000 or above in a discipline or approved area different from the Major.
- Some specific Minor programs are under development.

For a B.Sc. Degree (General Science):

- 18 credits in courses numbered 3000 or above from one of the areas of Biology, Chemistry, Geology, Mathematical and Computing Science (Computing Science, Mathematics, Statistics) and Physics; and
- 6 credits in courses numbered 3000 or above in each of two of the other areas listed above; or
- 18 credits in courses numbered 3000 or above from each of two of the areas of Biology, Chemistry, Geology, Mathematical and Computing Science (Computing Science, Mathematics, Statistics) and Physics
- The remaining upper level credits may be from any area of Arts, Humanities, Business, or Science.

Upper Level Course Offerings

All upper level science courses listed in the Course Descriptions section of this Calendar are planned to be offered; however, these course listings are subject to change without notice. There is no guarantee that specific courses listed will be available.

Program Contact

Program Advisor
250.828.5454

Bachelor of Computing Science Degree

A four-year undergraduate degree. Graduates receive a Bachelor of Computing Science (BCS) degree.

Learning Options

Part-time or Full-time Study

On-campus

Courses are available at the Kamloops campus. Off campus, a number of courses are available through TRU Open Learning.

General

The Bachelor of Computing Science (BCS) degree offers a comprehensive foundation that prepares graduates to adapt to new technologies and ideas spanning the range from theory to programming. In particular, the program:

- Prepares students to meet the IT needs of business, government, healthcare, schools and other kinds of organizations;
- Allow students to pursue further education including graduate programs.

The program combines theory, technical and hands-on skills, communication skills (written and oral), and business skills. A commitment to professionalism is an essential characteristic of the BCS program.

Admission to the BCS Program occurs primarily at the first or third year level, although admission at the second or fourth year is possible. The four categories for admission are:

1. Entry from the Diploma Program at TRU (or equivalent).
2. Entry from Arts, Business, Education, Engineering, and Science.
3. Professional entry with a suitable combination of relevant work experience in the information technology field and post-secondary study, as determined by the BCS Coordinator (Program Advisor).
4. High school graduates.

Admission Requirements

First Year Entry
To be considered for admission to BCS, students must have completed:

1. BC Grade 12 or
2. One of Pre-calculus Math 12, Foundations of Math 12, or Principles of Math 12 (or equivalent) with a minimum grade of C+; or MATH 1000, MATH 1001, MATH 0610 or MATH 0633 within the last two years with a minimum grade of C+.
3. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years), or equivalent; or Level 4, on the composition section of the Language Proficiency Index (within the last 2 years) or completion of English 0600; or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better.

Third Year Entry
To be considered for admission to the BCS Degree Program at the third year level, students must have completed 48 TRU credits (or equivalent) as follows:

1. Core Requirements (30 credits):
2. 8 computing courses (COMP 1130, COMP 1230, COMP 1380, COMP 1390, COMP 2130, COMP 2210, COMP 2230, COMP 2680 or equivalents)
3. 2 English (ENGL 1100, CMNS 1290 or equivalents, or CMNS 1810, CMNS 1930 or equivalents)
4. Breadth Coverage (12 credits)
5. 4 non-computing courses, one of which must be outside of science
6. Unspecified Lower Level (6 credits)
7. 2 courses at the first year level or higher.

It is anticipated that not all students seeking third year entry will meet all of the BCS Core requirements. Course deficiencies must be

completed during the first semester of study upon commencement of the program.

Second or Fourth Year Entry
Entry at the second or fourth year is possible. See the BCS Coordinator for further details.

Laddering Credit from other Programs

Graduates of TRU's CSOM Diploma Program have 60 TRU credits. The following exemptions and admission requirements apply:

General Admission Requirements	Exemptions	Requirements
Core Courses (10-30 credits)		
8 Computing courses	6 (COMP 1130, 1230, 1380, 1390, 2210, 2680)	2 (COMP 2230, COMP 2130)
2 English	2 (CMNS 1810, CMNS 1930)	
Breadth Coverage (4 courses - 12 credits)		
1 non-science course	none	
3 non-computing courses	None	3 courses
Unspecified (6 courses - 18 credits)	all	None

Program Requirements

1. The student must complete at least 120 credits as specified by TRU policy. At least 25% of these (30 credits) must be obtained at TRU, and a minimum cumulative GPA of 2.0 must be obtained on the courses taken at TRU. At least 6 upper level COMP courses must be completed at TRU.
2. The student must earn a grade of C or better in all prerequisite courses.

Year 1 and 2	
COMP 1130, 1230, 2130, 2210, 2230, 2680 (or equivalents)	18 credits
COMP 1380 and 1390 (or equivalents)	6 credits
ENGL 1100 and CMNS 1290 (or equivalents)	6 credits
Non-computing Science electives	9 credits
Any academic course	18 credits
Non-science elective	3 credits
Year 3 and 4	
COMP 3270, 3410, 3520, 3540, 3610, 4530, 4910	21 credits
Upper Level Computing Electives	15 credits
Upper Level Electives	9 credits
Any academic courses	15 credits

Program guides will be developed for each student enrolled in the BCS program. These guides list all BCS requirements in years one through four, and will identify if these requirements have been completed.

Students entering in third or fourth year must complete any missing first or second year courses prior to starting BCS, or, if approved by the BCS Coordinator, during the first semester of study.

Sample Course Sequence

First Year Entry

Year 1 – Fall Semester	
COMP 1130	Computer Programming 1
ENGL 1100	Introduction to University Writing
Elective s [1,2]	3 courses
Elective	
Year 1 – Winter Semester	
COMP 1230	Computer Programming 2
COMP 1380	Discrete Structures 1
CMNS 1290	Business and Technical Writing
Electives [1,2]	2 courses
Year 2 – Fall Semester	
COMP 1390	Discrete Structures 2
COMP 2130	Introduction to Computer Systems
COMP 2680	Web Site Design and Development
Electives	2 courses
Year 1 – Winter Semester	
COMP 2210	Visual Program Design
COMP 2230	Data Structures & Algorithms
Electives	3 courses

[1] Four electives must be non-computing electives, and one of these must be a non-science elective.

[2] If interested in a co-op position after year 1 or 2, as a Junior Programmer in Visual Programming, take COMP 2210. (COMP 2210 may be taken in year 1 if you achieve a mark of B or better in COMP 1130.

Third Year Entry

Year 3 – Fall Semester	
COMP 3270	Computer Networks
COMP 3520	Software Engineering
COMP 3540	Web Design & Programming
COMP 3610	Database Systems
UL Elective	Upper Level Elective
Elective	
Year 3 - Winter Semester	
COMP 3xx0/4xx0	Upper Level Computing Elective
UL Elective 1	Upper Level Elective
Elective	

Year 4 – Fall Semester	
COMP 3410	Operating Systems
COMP 3xx0/4xx0	Upper Level Computing Elective
COMP 3xx0/4xx0	Upper Level Computing Elective
COMP 3xx0/4xx0	Upper Level Computing Elective
UL Elective	Upper Level Elective
Elective	
Year 4 – Winter Semester	
COMP 4910	Computing Science Project
COMP 3xx0/4xx0	Upper Level Computing Elective
Elective	
Elective	
[1] A total of 15 upper level courses must be completed. At least 12 of these must be in computing science.	

Co-operative Education

Co-operative Education is an optional component in the Bachelor of Computing Science degree program. It offers students the opportunity to obtain paid, career-related work experience in their field of study.

Each Co-op work term is generally four months in length. In addition to completing specific program courses, students must complete either two or three co-op work terms to graduate with Co-op Distinction (see below).

Students entering BCS in third year must complete 2 co-op work terms to graduate with Co-op Distinction while those entering before third year must complete 3 work terms.

BCS Co-op Time Pattern:
Various time patterns are possible. Consult the Co-op Department for details.

Prerequisites/Corequisites: Students normally apply in their first semester of BCS. Students who have completed the CSOM diploma prior to BCS may apply to do a work term prior to the start of their first BCS academic semester. Students are expected to follow the Co-op Time pattern of work/study as established for their program, by taking all of the semester courses as described in the calendar, have credit for all previous courses in the program and students must maintain a minimum cumulative GPA of 2.33. In addition, participation in the Working to Learn (WTL) seminar series is mandatory to maintain eligibility.

Note 1: Other Co-op Time Patterns are available. Contact the Career Education Department office for more details.

Note 2: Students successfully completing a co-op work term will receive 3 elective credits.

Entry into BCS prior to third year: 3 work terms required

Term	Sep – Dec	Jan – Apr	May - Aug
Year 1	Academic Semester	Academic Semester	
Year 2	Academic Semester	Academic Semester	Co-op Work Term 1
Year 3	Academic Semester	Co-op Work Term 2	Co-op Work Term 3
Year 4	Academic Semester	Academic Semester	Optional Work Term
Year 5	Optional Work Term	Academic Semester	Grad

Third year entry into BCS: 2 work terms required

Term	Sep – Dec	Jan – Apr	May - Aug
Pre BCS	Conditionally admitted to BTACS	Optional Work Term	Optional Work Term
Year 3	Academic Semester	Co-op Work Term 1	Co-op Work Term 2
Year 4	Academic Semester	Academic Semester	Optional Work Term
Year 5	Optional Work Term	Academic Semester	Grad

Double Degrees in Computing and Business

Double degrees in both computing and business will provide graduates with a strong foundation from which to build a successful career in the information technology industry.

To earn double degrees, students must meet the requirements of both programs. Many core and elective courses can be “double-counted,” which means they can be used for credit in both programs. Through careful course selection, it is possible to complete both degrees in just five years.

Admission Requirements

1. BC Grade 12 or Mature Student Status
2. C+ in Foundations Math 12 **or** Pre-Calculus Math 12 **or** in Principles Math 12 **or** TRU MATH 0610 or equivalent
3. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years); or level 5 on the compositions section of the Language Proficiency Index (LPI), with all other categories of the LPI at a minimum of 70% (within the last 2 years); or satisfactory completion of the TRU English Assessment (ACCUPLACER) at the university entrance level; or completion of ENGL 0600 with a grade of C+ or better; or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

Students may commence their studies while they upgrade their English and Mathematics. Admission to the double BCS and BBA degree occurs at the 1st year level.

Program Requirements

Students are encouraged to refer to the Bachelor of Business Administration and Bachelor of Computing Science sections of this calendar for the specific requirements of each degree program.

For students entering directly into the BCS/BBA degrees with no previous university education, the recommended program schedule would consist of:

Lower Level Requirements		
No.	**COURSE**	**Cr.**
1	One of: ENGL 1100, 1110, 1120, 1140	3
2	CMNS 1290 – Introduction to Professional Writing	3
3	PHIL 1110 – Introduction to Critical Thinking	3
4	ECON 1900 – Principles of Microeconomics	3
5	ECON 1950 – Principles of Macroeconomics	3
6	MATH 1070 – Math for Business & Economics	3
7	MATH 1170 – Business & Economics Math 2	3
8	MNGT 1710 – Introduction to Business	3
9	FNCE 2120 - Financial Management	3
10	ACCT 2210 – Financial Accounting	3
11	ACCT 2250 – Management Accounting	3
12	ECON 2320 – Economic and Business Statistics 1	3
13	ECON 2330 – Economic and Business Statistics 2	3
14	MKTG 2430 – Marketing Management	3
15	MIST 2610 – Management Information Systems	3
16	ORGB 2810 – Organizational Behavior	3
17	HRMN 2820 - Human Resource Management	3
18	BLAW 2910 - Commercial Law	3
19	Elective – Humanities	3
20	Elective – Humanities	3
21	Elective – Social Sciences	3
22	Elective – Social Sciences	3
23	COMP 1130 - Computer Programming 1	3
24	COMP 1230 - Computer Programming 2	3
25	COMP 2130 - Introduction to Computer Systems	3
26	COMP 2210 - Visual Program Design	3
27	COMP 2230 - Data Structures, Algorithms and Design	3
	COMP 2680 - Web Site Design and Development	3
28	COMP 1380 - Discrete Structures 1 or MATH 1380	3
29	COMP 1390 - Discrete Structures 2 or MATH 1390	3
	Total	**87**

Upper Level Requirements		
No.	**COURSE**	**Cr**
1	ECON 3040 – Managerial Economics	3
2	CMNS 3240 – Business Communication	3
3	SCMN 3320 – Supply Chain Management	3
4	IBUS 3510 – International Business	3
5	MNGT 3710 – Business Ethics and Society	3
6	MNGT 4780 – Strategic Management Issues	3
7	COMP 3270 – Computer Networks	3
8	COMP 3410 – Operating Systems	3
9	COMP 3520 – Software Engineering	3
10	COMP 3540 – Website Design & Programming	3
11	COMP 3610 – Database Systems	3
12	COMP 4530 – Advanced Software Engineering	3
13	COMP 4910 – Computing Science Project	3
14	Computing Elective No. 1	3
15	Computing Elective No. 2	3
16	Computing Elective No. 3	3
17	Computing Elective No. 4	3
18	Computing Elective No. 5	3
19–26	Business Major or General BBA	24
	Total	**78**

The exact number of courses needed to meet Upper Level Requirements depends on the Minor or Major that the student wishes to take in the BBA. Also, a total of four, 4000-level BBUS/BUEC/ECON courses must be taken to graduate.

Humanities electives may come from English, Fine Arts, French, German, Japanese, Spanish, Speech, Theatre, History, Music and Philosophy. Social Sciences electives may be from Anthropology, Canadian Studies, Economics, Education, Geography (excluding GEOG 1120, 1220, 2040, or 2750), Political Studies, Psychology (excluding PSYC 2100) and Sociology.

Science and Math electives can be from Biology, Chemistry, Computing Science, Physical Geography, Geology, Math, Physics, Statistics, and Psychology.

Students can ladder into BCS from the Computer Systems: Operations and Management Diploma (CSOM), and from the Accounting Technician Diploma and the Diploma in Management into the BBA. For these students, the program of study will be slightly different, so please consult with the BCS or BBA Advisors to determine the exact courses to take.

Specializations

Three specializations are available in the BCS program:

1. Database and Information Systems
2. Network Computing
3. Software Engineering

To obtain the Specialization designation on your transcript the following upper level courses must be completed:

Database and Information Systems	
COMP 3540	Web Sites Design and Programming
COMP 3610	Database Systems
Three of the following:	
COMP 4610	Advanced Database Systems
COMP 4620	Web-based Information Systems
COMP 4910	Projects in Computing Science (with a specialization topic)
COMP 4480	Directed Studies (with a specialization topic)
RESL 3000 or RESL 4000 course (with a topic related to the specialization)	

Network Computing	
COMP 3270	Computer Networks
COMP 3410	Operating Systems
Three of the following:	
COMP 3260	Internet and Security Issues
COMP 4250	Computer Network Administration
COMP 4910	Projects in Computing Science (with a specialization topic)
COMP 4480	Directed Studies (with a specialization topic)
RESL 3000 or RESL 4000 course (with a topic related to the specialization)	

Software Engineering	
COMP 3520	Software Engineering
COMP 4530	Advanced Software Engineering
COMP 4910	Projects in Computing Science
Two of the following:	
COMP 3140	Object-Oriented Programming
COMP 3050	Computer Algorithms
COMP 4480	Directed Studies (with a specialization topic)
RESL 3000 or RESL 4000 course (with a topic related to the specialization)	

Please advise the BCS Program Coordinator if you are planning to complete one of these Specializations.

Program Contact

250.371.5696

Bachelor of Natural Resource Science Degree

A four-year degree program open to undergraduate university students. Students may take up to seven years to complete the program on a part-time basis. Graduates receive a Bachelor of Natural Resource Science (BNRS) degree.

Learning Options

Full-time or Part-time Study

On-Campus

The degree program is offered on the main campus of TRU in Kamloops. A selection of 1st and 2nd year courses is offered at the Williams Lake campus.

Program Start Dates

Students may enter the program in Fall, Winter, or Summer semester.

Distance Education

Many courses are available by distance education. Visit www.tru.ca/distance

Program Overview

In a world where specialization is the norm in university training for careers in the natural resource professions, the demand from industry and government agencies is increasingly for professionals who are generalists. The BNRS program addresses this need by providing a course of study that is unique in its scope and purpose. The program consists of 120 credits which can be completed in four or five years on a full-time basis or up to seven years on a part-time basis.

The purpose of the BNRS degree program is to prepare students for careers in a wide range of natural resource sector jobs or for further academic study in graduate school. The program provides a unique combination of courses covering biology, ecology, scientific methods, and sector-specific resource management skills in a cooperative education format. Students learn problem solving, oral and written communication skills, and integration of various disciplines in both an independent and team environment.

By understanding the scientific, economic, and social basis of natural resource issues, graduates of the program will be able to effectively interface between diverse interest groups, all having a stake in how our terrestrial and aquatic ecosystems are managed.

Courses and field work dealing with management of the various sectors give students technical skills in a wide variety of management disciplines. Upon graduation, students will have acquired a wide range of technical abilities in assessing the status of ecosystems. This assessment covers aspects such as forestry, fisheries, range, and wildlife management.

Learning Experiences

Many of the courses offered by the Natural Resource Science Department include a field component. As students' progress through our program, they will gain field experience in a variety of areas including vegetation analysis, soil analysis, forest stand measurements, lake analysis, and vertebrate and invertebrate sampling techniques.

Field trips associated with our courses are numerous and diverse, and may include visits to the Wells Gray Research Station, grassland, ecosystems, coastal and interior forest ecosystems, forest research stations, local ranches, a local sawmill, and a fish hatchery. Locations may changes from year to year.

Co-operative Education

Co-operative Education allows students to integrate academic studies with paid periods of relevant experience. Students alternate between periods of on-campus, full-time study, and work terms, which are full-time, paid employment.

Securing a work term in the Co-op program is competitive and the number of positions available will depend on the number of participating employers. Students are not guaranteed a work term.

Students must complete all registered first year courses, have a cumulative GPA of 2.33 to enter the NRS Co-op Option and must maintain a cumulative GPA of 2.33 to remain eligible for Co-op.

Bachelor of Natural Resource Science Sample Co-op Time Pattern:

Term	Sep – Dec	Jan – Apr	May - Aug
Year 1	Academic Semester	Academic Semester	Co-op Work Term 1
Year 2	Academic Semester	Academic Semester	Co-op Work Term 2
Year 3	Academic Semester	Academic Semester	Co-op Work Term 3
Year 4	Academic Semester	Academic Semester	Graduation

Limitation of Enrolment

Applications will be evaluated on the basis of G.P.A. and additional documentation stating interest in natural resources and previous outdoor experience. Applicants will be notified if an interview is required.

The required documentation is:

- A completed Application for Admission form and questionnaire
- A resume and cover letter
- Official transcripts of previous secondary and post-secondary courses or official interim grades

Completion of Co-op 0900 is mandatory prior to a student's first work term to maintain eligibility for the Co-op Education program. Refer to the Co-operative Education section of the calendar for detailed information on Co-op policies and procedures and tuition fees.

Professional Certification

Completion of the BNRS degree fulfills the academic requirements of the BC Institute of Agrologists and Professional Biologists.

Admission Requirements

1. BC Grade 12 or equivalent, or Mature student status or previous post-secondary experience
2. English 12/English 12 First Peoples with a minimum of 73% within the last 5 years, or LPI with at least level 4 within the last 2 years or completion of ENGL 0600.
3. Biology 11 (or BIOL 0500), Chemistry 11 (or CHEM 0500), Principles of Mathematics 12 (or MATH 0610). Students with Biology 12 (BIOL 0600 or BIOL 0620), Chemistry 12 (CHEM 0600) and Physics 12 (PHYS 0600) will be given preference.
4. A minimum cumulative GPA of 2.0 each year.

TRU is an equal opportunity educational institution, and encourages applications from women, First Nations students, challenged students, visible minorities, and international students.

Program Entry

Entry into the Program can be at the first, second or third year levels. There is no entry into the program at year 4.

Limitation of Enrolment

All applications received by the March 1 deadline will be evaluated on the basis of GPA and additional documentation stating interest in natural resources and previous outdoor experience.

Transfer to TRU

Course equivalencies from other institutions will be based upon the British Columbia Transfer Guide, or a review of course outlines for courses not included in the Guide. See bctransferguide.ca for details.

BC Forestry or Natural Resource Technology graduates who achieve at least a 65% overall average, including a minimum of 70% or a 'B-' in Computing, Measurements and Statistics courses, will take the following courses in the first year of the BNRS program. Following successful completion of these courses, students will enter Year 3. Technology graduates will have 2 electives in the program.

Fall Semester	Winter Semester

BIOL 1110	BIOL 1210
CHEM 1500	CHEM 1510
ECON 1900	CMNS 2300
NRSC 1120	NRSC 1220
NRSC 2100	NRSC 2200
NRSC 2230	
19 credits	15 credits

Application Process

The following documentation must be submitted to the Admissions Office:

- A completed Application for Admission form.
- Application Fee
- Official transcripts of all secondary and post-secondary institutions
- Proof of Citizenship or Permanent Resident status
- Resume or cover letter

Applicants will be notified if an interview is required.

Program Requirement

Year 1 – Semester 1 (15 credits)	
BIOL 1110	Principles of Biology 1
ENGL 1100	Introduction to University Writing
NRSC 1120	Dendrology 1
MATH 1150	Calculus for the Biological Sciences 1
NRSC 1110	The Science and Management of Natural Resources
Year 1 – Semester 2 (15 credits)	
BIOL 1210	Principles of Biology 2
ECON 1900	Principles of Microeconomics
CMNS 2300	Writing for Science and Technology
NRSC 1220	Dendrology 2
AGSC 2200	Food Production at a Local Level and Beyond
ENGL 1100**	Introduction to University Writing
Elective *	
* See the department Program Advisor before selecting an elective	
** Students achieving a grade of B or higher in ENGL 1100 will not be required to take ENGL 1110. Students not taking ENGL 1110 must take a 3 credit elective.	

Year 2 – Semester 1 (16 credits)	
BIOL 3000	Biometrics
CHEM 1500	Chemical Bonding & Organic Chemistry
NRSC 2000	Introduction to Study of Soils
NRSC 2100	Forest Ecology and Silvics 1
NRSC 2230	Geographic Information Systems
Year 2 – Semester 2 (15 credits)	
CHEM 1510	Principles of Chemistry
NRSC 2110	Forest Mensuration
NRSC 2200	Forest Ecology and Silvics 2
NRSC 3000	Diversity and Ecology of the Vertebrates
NRSC 3170	Ichthyology

Year 3 – Semester 1 (15 credits)	
NRSC 3200	Silviculture
NRSC 3260	Limnology
NRSC 4020	Natural Resource Entomology
NRSC 4030	Natural Resource Pathology
NRSC 4130	Fire Ecology and Management
Year 3 – Semester 2 (15 credits)	
ANTH XXX0	Anthropology
BIOL 3030	Population Biology
ECON 3730	Forest Economics
NRSC 3110	Grassland Ecology
NRSC 4250	Tropical Field Studies or Elective

Year 4 – Semester 1 (15 credits)	
ECON 3710 or ECON 3740	Economics of the Environment Land Use
NRSC 3210	Range Management
NRSC 4040	Wildlife Management 1
NRSC 4100	Fisheries Management
NRSC 4140	Policy & Planning
NRSC 4240 or Elective	Natural Resource Design
Elective	
Year 4 – Semester 2 (15 credits)	
NRSC 4050	Wildlife Management 2
NRSC 4110	Watershed Management
NRSC 4210	Conflict Resolution in the Natural Resources
NRSC 4230	Graduating Essay
NRSC 4250	Tropical Field Studies or Elective

Electives

12 elective credits may be included in the Program. Any university level credit course is acceptable as an elective, except those with equivalent content to core program courses. Selection of electives should be discussed with the Program Coordinator.

Promotion Policy

Promotion from year to year will require a minimum grade of C in all required NRSC, ENGL and BIOL courses.

Honours Program

The Bachelor of Natural Resource Science (BNRS) Honours Program is designed for students who demonstrate academic excellence, and who wish to develop their scientific skills by conducting an individual research project under the supervision of a faculty member. The program will be especially appealing to students contemplating graduate studies following the completion of the undergraduate degree. Upon successful completion of the program, students receive the “With Honours" distinction on their degree, and assign to their name the title “BNRS (Hons.).”

The Honours program requires course work and completion of a thesis.

Admission Requirements to the Honours Program

Students pursuing a BNRS degree normally apply for admission into the Honours Program prior to completion of Year 3. This will be in April for non Co-op students or in December for Co-op students. A decision on the application by the Department of Natural Resource Sciences will be rendered after grades for their final Year 3 semester have been tabulated.

Year 4 standing: The student must have completed all courses in the first, second and third year of the BNRS program.

The student must maintain a GPA of 3.33 during their first, second and third years in the BNRS program.

Supervision: A full-time faculty member (lecturer) from the Department of Natural Resource Sciences must agree to act as supervisor for the student’s thesis.

Program Requirements

Honours students will take the following courses in the last year:

Semester 7

Year 4 – Semester 1 (17 credits)	
NRSC 3210	Range Management
NRSC 4040	Wildlife Management 1
NRSC 4100	Fisheries Management
NRSC 4140	Policy and Planning
NRSC 4240	Research Design
NRSC 4980	Honours Seminar
NRSC 4990	Honors Thesis
1 Elective	
Year 4 – Semester 2 (18 credits)	
ANTH XXX0	Anthropology
NRSC 4050	Wildlife Management 2
NRSC 4110	Watershed Management
NRSC 4210	Conflict Resolution
NRSC 4980	Honours Seminar
NRSC 4990	Honours Thesis
Minimum credits required to graduate with the BNRS (Hons) degree: 125	

Thesis Project

The Honours program requires the completion of a thesis.

The selection of the thesis project is the responsibility of the student and the thesis supervisor. The general criteria is that the thesis should present a piece of individual, original research that contributes to scientific knowledge. The student should work closely with the supervisor, and he or she should take the lead role in the collection and analysis of the data. Identification of the thesis project should be accomplished at the very latest by the end of September, and a written Thesis Project Plan must be submitted to the student’s supervisor and the Honours Coordinator by the end of the sixth week of classes in September.

It is the responsibility of the student to approach faculty members regarding supervision for the thesis required in the Honours program. Department faculty will be under no formal obligation to supervise Honours students, and faculty may supervise no more than two Honours students at a time. Thus, neither the Department of Natural Resource Sciences nor Thompson Rivers University is obliged to identify a supervisor, even in the event that the student meets the academic criteria needed for entry into the Honours Program.

Thesis supervision by scientists external to the Department of Natural Resource Sciences may be permitted under certain conditions. The first step will be a letter submitted to the Department, by the student, outlining the proposed research and the credentials of the proposed supervisor. Consideration of the proposed external supervisor will be made jointly by the full-time department faculty, and decisions will be final. The faculty may request a letter and CV from the potential supervisor, in order to ensure he or she possesses the necessary credentials, and that he or she recognizes the responsibility associated with the supervision of an Honours thesis.

The Thesis Examining Committee shall be composed of the Honours Program Coordinator, the thesis supervisor, and at least one other faculty member from TRU, or under special conditions, a scientist or authority from outside the TRU community. In cases where the Honours Program Coordinator also is the thesis supervisor, then an additional faculty member will be appointed to the committee.

A form listing the tentative title of the thesis and the Thesis Examining Committee must be submitted to the Honours Program Coordinator before the end of the Fall semester.

Program Contact

Program Assistant
250.828.5467

Program Advisor
250.828.5462

Associate of Science Degree (ASc)

Two-year, undergraduate program. Graduates receive an Associate of Science degree (ASc).

Learning Options

Full-time or Part-time Study

On-Campus

The full degree is offered on the main campus of TRU in Kamloops; a selection of 1st and 2nd year courses are offered at the Williams Lake campus.

Program Start Dates

Students may enter the program in Fall, Winter, or Summer semester.

Distance Education

Many courses are available by distance education. For greater flexibility, TRU also offers the Associate of Science – Open Learning degree.

Program Overview

The associate degree is designed to provide an educational experience that lays a solid foundation for further study. Students are required to complete a broad range of course offerings balanced with in-depth study in science. Since many students will continue their studies, the requirements are sufficiently flexible to enable students to complete the required prerequisites for upper level course work in their intended major.

Admission Requirements

Students entering the Associate of Science program are required to complete English 1100, along with specific science courses, which vary depending on the student's intended major. (See below for details.)

Prerequisites for English 1100 are English 12/English 12 First Peoples with a minimum of 73% within the last 5 years, or Level 5 on the composition section of the Language Proficiency Index (within the last 2 years) or completion of English 0600 or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better.

Bachelor of Science majors have specific first year course requirements. It is strongly recommended that students become familiar with the prerequisite requirements for these courses before applying for admission. In general, the minimum prerequisite requirements for courses in the first year courses in the BSc programs are as follows:

Major	Prerequisites
Biology (all Majors)	Biology 11 or 12 with C+ or better
General Science	Chemistry 11 or Chem 0500
Chemistry	Principles of Math 12 with C+ or better within the past 2 years or equivalent
Environmental Chemistry	Physics 11 or Physics 1130
Computing Science	Chemistry 11 or Chem 0500
Mathematics	Principles of Math 12 with C+ or better within the past 2 years or equivalent
Mathematical Sciences	Physics 11 or Physics 1130
Physics	

These are the minimum requirements. Several major programs recommend courses with more stringent prerequisite requirements. Prospective students should become familiar with the course requirements for their intended major and consult the individual course descriptions for specific prerequisite requirements.

Students may upgrade their prerequisites while enrolled in the Bachelor of Science program.

Applicants can take advantage of the Step One and Group Advising sessions offered throughout the school year to help make the process of applying and determining program requirements easier to understand.

Program Requirements

Sixty credits of first and second year courses (1000 and 2000 level),

TRU.

Note: No course may be used to meet more than one of the specific requirements.

Areas of Study

Students may choose to concentrate their studies in one area of the sciences. Suggested areas of study include Biology, Chemistry, Physics, Geology, Mathematics, and Computing Science. Students who are interested in laddering credits from an Associate of Science degree into a Bachelor of Science degree should consult an Academic Advisor

Students interested in applying to science-based professional schools such as Medicine, Dentistry, Optometry and Veterinary Medicine should be aware that completion of an ASc degree does not qualify a student for entry to those programs. Students are generally required to have completed a minimum of three years of undergraduate studies in order to meet entry requirements. Students are encouraged to consult the calendars of the professional schools in which they are interested. Further information can be found under the Bachelor of Science degree program.

Biology

Suggested courses:

BIOL 1110/1210
CHEM 1500/1510 or 1500/1520
PHYS 1100/1200 or 1150/1250
MATH 1130/1230 or 1140/1240 or 1150/1250
ENGL 1100 or 1110 *
(Or two of ENGL 1100, 1110, 1120, 1140, 1210)
COMP 3 credits
BIOL 2130/2340
6 credits from BIOL 2160, BIOL 2170, BIOL 2280, BIOL 2290
CHEM 2120/2220
CMNS 2290 or 2300
6 credits Arts/Humanities electives other than English
3 further credits if only 3 credits of 1st year English are completed
* Students with a grade of B or better in ENGL 1100 (or 1110) may proceed to either of the required CMNS 2290 or 2300 in their second year; students with less than a B grade in their first year English course are required to take another 3 credits of first year English (1110, 1120, 1140 or 1210) before their second year English requirement

Chemistry

Suggested courses:

BIOL 1110 or BIOL 1210 or GEOL 1110 or GEOL 2050
CHEM 1500/1510 or 1500/1520
including: 1. Six credits in first-year Mathematics, with at least three credits in calculus 2. Six credits in first-year English 3. Thirty-six credits in Science, which shall include at least three credits in a laboratory science and at least 18 credits in second-year Science in two or more subject areas. (Note: Computing Science courses are not classed as laboratory science courses.) 4. Six credits in Arts other than English (excluding Math and laboratory-based science courses). 5. Six credits of first or second year courses in Arts, Sciences, or other areas. A cumulative GPA of 2.0 for all courses counting towards the credential. At least 30 of the 60 credits of course work must be completed at PHYS 1100/1200 or 1150/1250

MATH 1130/1230 or 1140/1240 or 1150/1250
ENGL 1100 or 1110*
(Or two of ENGL 1100, 1110, 1120, 1140, 1210)
COMP 3 credits
CHEM 2120/2220
CHEM 2100/2160/2250
MATH 2110/2120
CMNS 2290 or 2300
6 credits Arts/Humanities electives other than English
3 further credits if only 3 credits of 1st year English are completed
* Students with a grade of B or better in ENGL 1100 (or 1110) may proceed to either of the required CMNS 2290 or 2300 in their second year; students with less than a B grade in their first year English course are required to take another 3 credits of first year English (1110, 1120, 1140 or 1210) before their second year English requirement.

Physics

Suggested courses:

BIOL 1110 or 1210 or GEOL 1110 or 2050
CHEM 1500/1510 or 1500/1520
PHYS 1150/1250 (preferred) or PHYS 1100/1200
MATH 1130/1230 or 1140/1240
ENGL 1100 or 1110*
(Or two of ENGL 1100, 1110, 1120, 1140, 1210)
COMP 3 credits
MATH 2110/2120/2240
PHYS 2000/2150/2200/2250
CMNS 2290 or 2300
6 credits Arts/Humanities electives other than English
3 further credits if only 3 credits of 1st year English are completed
* Students with a grade of B or better in ENGL 1100 (or 1110) may proceed to either of the required CMNS 2290 or 2300 in their second year; students with less than a B grade in their first year English course are required to take another 3 credits of first year English (1110, 1120, 1140 or 1210) before their second year English requirement

Geology

Suggested courses:

GEOL 1110
CHEM 1500/1510 or 1500/1520
PHYS 1100/1200 or 1150/1250
MATH 1130/1230 or 1140/1240 or 1150/1250
ENGL 1100 or 1110*
(Or two of ENGL 1100, 1110, 1120, 1140, 1210)
COMP 3 credits
GEOL 2050/2100/2150/22909
CMNS 2290 or 2300
6 credits 2nd year Science courses other than GEOL
6 credits Arts/Humanities electives other than English
3 credits in other 1st or 2nd year courses
3 further credits if only 3 credits of 1st year English are completed
* Students with a grade of B or better in ENGL 1100 (or 1110) may proceed to either of the required CMNS 2290 or 2300 in their second year; students with less than a B grade in their first year English course are required to take another 3 credits of first year English (1110,1120, 1140 or 1210) before their second year English requirement

Mathematics

Suggested courses:

BIOL 1110 or 1210 or GEOL 1110 or 2050
CHEM 1500
PHYS 1100 or 1150
MATH 1130/1230 or 1140/1240
ENGL 1100 or 1110*
(Or two of ENGL 1100, 1110, 1120, 1140, 1210)
COMP 3 credits
MATH 2110/2120/2200
STAT 2000
CMNS 2290 or 2300
6 credits 2nd year Science courses other than MATH
6 credits Arts/Humanities electives other than English
6 credits in other 1st or 2nd year courses
3 further credits if only 3 credits of 1st year English are completed
* Students with a grade of B or better in ENGL 1100 (or 1110) may proceed to either of the required CMNS 2290 or 2300 in their second year; students with less than a B grade in their first year English course are required to take another 3 credits of first year English (1110, 1120, 1140 or 1210) before their second year English requirement

Computing Science

Suggested courses:

BIOL 1110 or 1210 or GEOL 1110 or 2050
CHEM 1500
PHYS 1100 or 1150
MATH 1130/1230 or 1140/1240
ENGL 1100 or 1110*
(Or two of ENGL 1100, 1110, 1120, 1140, 1210)
COMP 3 credits
COMP 1380, 1390, 2130, 2230
MATH 2120
STAT 2000
CMNS 2290 or 2300
3 credits 2nd year Science course
6 credits Arts/Humanities electives other than English
3 credits in other 1st or 2nd year courses
3 further credits if only 3 credits of 1st year English are completed
* Students with a grade of B or better in ENGL 1100 (or 1110) may proceed to either of the required CMNS 2290 or 2300 in their second year; students with less than a B grade in their first year English course are required to take another 3 credits of first year English (1110, 1120, 1140 or 1210) before their second year English requirement

Program Contact

Program Advisor
250.828.5454

Animal Health Technology Distance Education Program (AHTDE)

A three-year online diploma program for those already working in a veterinary clinical setting. Accredited by the Canadian Veterinary Medical Association.

Learning Options

Distance Education

The AHT Distance Education program is offered online. The student may periodically delay enrolling in the next semester of the program but they must complete the entire program within four years of initial enrollment.

Continuing Education

Graduate Animal Health Technologists may take specific courses for Continuing Education credits.

Program Start Date

The program year begins in January.

Program Overview

The Animal Health Technology Distance Education program trains individuals for employment as professionals in the field of veterinary medicine. An Animal Health Technologist works under the supervision of veterinarians and veterinary scientists in a variety of areas including diagnostic testing, radiography, medical procedures, office protocol, animal nursing, anesthesia and surgical assistance.

The AHTDE program allows qualified individuals to obtain the theoretical portion of their training by distance education using a combination of electronic and hard copy technologies. The clinical, "hands on" experience that is vitally important to a competent Animal Health Technologist (AHT) is provided at their place of work. The AHTDE program is available to students anywhere in Canada. The AHTDE program has full accreditation from both the Canadian Veterinary Medical Association and the Ontario Association of Veterinary Technicians.

Successful completion of year three of the AHTDE program will result in the student being awarded an Animal Health Technologist Diploma. The student must successfully challenge the Veterinary Technician National Board Exam (VTNE) and apply for registration with their provincial AHT Association to be recognized as a Registered Animal Health Technologist.

Admission Requirements

Admission to the program is based on the following criteria:

The student must have completed the program prerequisites and have a signed Clinic Affiliation form.

Educational Requirements

1. BC Grade 12 or equivalent*, C (60%) average
2. Foundations of Math 11 or equivalent*, C+ average
3. Chemistry 11 or equivalent*, C+ average
4. Biology 11 or equivalent*, C+ average

5. The prospective student must also have taken one grade 12 Science (or the equivalent*, C+ average). If this course is Biology 12 or BIOL 0600 then the requirement for Biology 11 (or equivalent*, C+ minimum grade) is waived. Note: Biology 12 or BIOL 0600 is recommended.

6. English 12/English 12 First Peoples with a minimum of 67% or LPI Level 3 or English 0600 C+ minimum (or the equivalent*, C+ average). Mature student status does not apply.

General Requirements

1. Evidence of computer skills*. The student must be familiar with basic word processing, email management (including posting attachments) and internet navigation. The student must also be familiar with downloading and uploading videos, still images and documents and have the means to be able to do so. Exposure to a veterinary office management software program would be beneficial.

2. A signed TRU - Clinical Affiliation form verifying:
   - The student is an employee of the Veterinary Clinic and that they will be working a minimum of 20 hours per week when they are enrolled in the AHTDE program courses. The student must have been employed for a minimum of 4 months in their clinic prior to the start date of admission into the AHTDE program.
   - A DVM or RAHT (with minimum two years post graduate clinical experience) has agreed to be the "Clinical Mentor" for the student during the time they are enrolled in AHTDE program courses.
   - The clinic meets or exceeds the British Columbia Practice Standards www.bcvma.org/.

3. Two reference forms (at least one from your clinical mentor indicating their support of you taking the AHTDE program & confirming how long you have been employed at the clinic and that you are employed for a minimum of 20 hours per week - volunteering does not apply).

The TRU AHTDE program reserves the right to limit class sizes and delay enrolment dates. In the event that applications are over and above the program's capacity, applicants will be selected.

Application Process

Students must submit a completed application package no later than September 30 for admission the following January.

Required forms may be downloaded from AHT Distance Education Program www.tru.ca/science/programs/aht/disted

Failures and Repeats

This is not a continuous entry program.

The program year begins in January. Any student that temporarily opts out of continuing on with the program must wait until the next yearly enrollment to recommence their studies. The student must be aware that re-entry into the program is not guaranteed the following year and is dependent on class sizes and instructor availability.

A student who has previously failed in a health-related program and who subsequently applies for admission to the same program or to another health-related program will be regarded as a repeating student, unless he/she can show cause for being treated as a new student.

- A minimum of C in all courses and a cumulative GPA of 2.5 are required for promotion between semesters and for graduation in the program.
- One failure or withdrawal from a course will result in the student being required to withdraw from the program - consult the TRU AHTDE Program Coordinator.
- A student can reapply to the program after a period of one year. The student will be expected to retake the course in which the failure occurred; once successful, continue on from there.

A student who receives a failing grade in a course for failure to meet objectives related to essential skills assignments, professional responsibility, professional accountability or patient safety may be refused re-admission to the program. (or another health related program) at the recommendation of the Program Coordinator and the approval of the Divisional Dean.

Program Costs

In addition to tuition and fees, all expenses incurred by the student during the duration of this program are the responsibility of the student. This includes all work place expenses, textbooks and supplies, travel to clinical instructional sites, computer and internet costs, invigilation costs, videotaping costs, mailing and phone charges, etc.

Program Requirements

The program is designed to be completed in a minimum of three years. There are three twelve-week semesters per year. During each semester students take a maximum of two courses.

Enrollment is on a yearly basis with classes starting the beginning of January of each year.

Year 1	
ANHD 1010	Office Skills (semester 1)
ANHD 1100	Anatomy and Physiology 1 (semester 1)
ANHD 1120	Animal Nursing 1 (semester 2)
ANHD 1130	Animal Behaviour (semester 2)
ANHD 1110	Laboratory Procedures 1 Parasitology (semester 3)
ANHD 1210	Laboratory Procedures 3 Microbiology (semester 3)
Year 2	
ANTH 2110	Laboratory Procedures 2 Hematology (semester 4)

ANHD 2150	Animal Diseases (Semester 4)
ANHD 2100	Anatomy and Physiology 2 (semester 5)
ANHD 2120	Animal Nursing 2 (semester 5)
ANHD 2130	Radiology (semester 6)
ANHD 2140	Pharmacology (semester 6)
Year 3	
ANHD 3140	Anesthesia (semester 7)
ANHD 3170	Animal Nursing 3 (semester 7)
ANHD 3110	Laboratory Procedures 4 Clinical Pathology (semester 8)
ANHD 3160	Large Animal Science (semester 8)
ANHD 3120	Intensive Care (semester 9)
ANHD 3150	Lab Animals Science (semester 9)

Promotion Policy

A minimum of C in all courses and a cumulative GPA of 2.5 is required for promotion between semesters and for graduation in the program.

Completion Requirement

Program completion is expected within 4 years following entry.

Program Contact

Program Coordinator
250.828.5193

Program Assistant
250.377.6104

Animal Health Technology Diploma

A two-year diploma program accredited by the Canadian Veterinary Medical Association. Graduates receive an Animal Health Technology (AHT) diploma.

Learning Options

Full-time

The program involves up to 30 class contact hours of lecture and laboratory per week. Students are also responsible for case study sessions and for providing routine daily care for University animals. This involves evening and weekend duty.

On-Campus

The program is offered on the Kamloops campus.

Program Start Dates

Year 1 runs from September to April. Year 2 runs from September until early June due to practicum sessions. The practicum sessions are divided into two time periods: mid-February to early-March; and the beginning of May to early June.

Program Overview

The AHT program is designed to train individuals for employment as professionals in the field of veterinary medicine. An Animal Health Technologist works under the supervision of veterinarians and veterinary scientists in a variety of areas including diagnostic testing, radiography, medical procedures, office protocol, animal nursing, anesthesia and surgical assistance.

This program is accredited by the Canadian Veterinary Medical Association, and combines classroom and laboratory instruction, field and clinical experience with small and large animals. Students have daily hands-on experiences with small animals in the teaching facility on campus. Large animal work is carried out in a separate facility where students develop hands-on experience with livestock, wildlife and birds.

Admission Requirements

Educational Requirements

1. BC Grade 12 or equivalent, C average
2. Foundations of Math 11* or equivalent, C+ minimum grade
3. Chemistry 11 or equivalent, C+ minimum grade
4. Biology 11 or equivalent, C+ minimum grade
5. One grade 12 science or equivalent, C+ minimum grade. Biology 12 is recommended
6. English 12/English 12 First Peoples with a C+ minimum grade or LPI Level 3

High school students must submit their official transcript (confirming grade 11 marks) and their grade 12 report cards, confirming enrolment of any relevant prerequisites in progress.

All other applicants please submit official transcripts for secondary school and post-secondary institutions attended.

* Applicants who graduated from a BC high school prior to June 2013 can apply with Math 11 (Principles) or equivalent.

General Requirements

1. Canadian Citizenship or Permanent Resident status
2. Evidence of orientation to a veterinary practice (signature of veterinarian required). It is required that applicants complete a minimum two weeks (80 hours) working, volunteering or observing in a veterinary clinic.
3. Submission of completed questionnaire with application
4. One reference form from each of the following 3 areas:
   - Current veterinary orientation site

- Other animal related experience site
- Any non-veterinary work or volunteer experience

5. Attendance at Program Orientation session upon invitation from the Animal Health Technology Department
6. Successful medical – upon acceptance

The AHT program uses a selective enrolment process. This means that all applications are accepted up to the admission deadline date and after that date are assessed to determine if the pre-admission requirements are met. Please note: Competition for admission to the AHT program is extremely intensive and meeting the minimum requirements does not guarantee an invitation to the orientation session or admission to the program.

Admission to the program is based on the following criteria:

1. Academic history
2. Exposure to veterinary practice either as a volunteer or as a paid employee (include reference form)
3. Other animal related experience such as on a farm, in an SPCA shelter, at a wildlife refuge, in research, etc. (include reference form)
4. Other non-veterinary related work or volunteer experience (include reference form)
5. Results of math test

Note: Applicants should have a sound secondary school background and an interest in working with and caring for animals. This includes such areas as farms, SPCA, wildlife refuges or any other animal oriented facility. Students should have a desire to develop manual and technical skills. A minimum of 80 hours of practical experience in a veterinary facility is essential for admission to the AHT program. Consultation with practicing AHTs is strongly advised.

Application Process

Applications for admission to Animal Health Technology must be received by February 15 for admission to Fall intake. Admissions are selective for the 24 seats available.

It is the candidate's responsibility to ensure that all the required documents are received the application deadline. The educational requirements may be in progress when applying, however the applicant must submit proof of enrolment with their application and must submit interim grades by the application deadline. For non-High School applicants, the deadline for completion of courses in progress is April 30 prior to September admission.

Admission Process

Short-listed applicants are invited to the mandatory orientation sessions which are typically held in Kamloops in March. The purpose of the orientation sessions is to ensure selected applicants have a clear understanding of the AHT program and the profession. Orientation sessions provide in-depth information about student workload and responsibilities, and offer the opportunity to meet the faculty and where possible, current students in the program. Applicants will also be required to take a math test during the orientation session.

At the discretion of the admissions committee, a phone conference call may take place.

Based on a combination of academic pre-requisites, the results of the math test, and the information included in their written application package (including work experience and references) an overall score for each applicant will be determined and the applicants are ranked. Each applicant will be classified as either:

1. Accepted into the program
2. Waitlisted as an alternate for acceptance
3. Not accepted into the program.

Applicants will be notified of their status after April 1. Those who are offered seats will be required to pay a commitment fee by the deadline stated in their offer letter to confirm their seat in the program.

All successful candidates must be in class on the first day of the semester, or their seat will be forfeited and given to a wait-listed applicant.

Program Costs

In addition to tuition and fees, students should budget for: special clothing and equipment, leashes, Animal Health Technologists Association of BC (AHTA of BC) membership and conference fees, Veterinary Technician National Examination, etc. These are estimated at $700 for the first year and $1000 for the second year.

Students must be prepared to bear the cost of travel to and residency in areas away from Kamloops as required by such activity as clinical practicums, ranch practicums, AHTA of BC conference and field work experience (ANHT 2600). These activities/courses are mandatory components of the AHT program

Students will receive Rabies immunization, given at no cost once enrolled into the program; unless they are excused by a medical certificate of have proof of previous Rabies immunization.

Program Requirements

Year 1	
ANHT 1010	Laboratory Mathematics
ANHT 1090	Animal Behavior 1
ANHT 1510	Veterinary Terminology
ANHT 1520	Animal Nursing 1 (L)
ANHT 1530	Introductory Veterinary Immunology
ANHT 1540	Veterinary Office Management (L)
ANHT 1560	Pharmacology
MICR 1580	Veterinary Microbiology 1 (L)
ANHT 1590	Domestic Animal Anatomy & Physiology 1 (L)
ANHT 1620	Animal Nursing 2 (L)
CMNS 1660	Occupational Writing for AHTs
ANHT 1670	Dentistry for Animal Health Technologists

MICR 1680	Veterinary Microbiology 2 (L)
ANHT 1690	Domestic Animal Anatomy & Physiology 2 (L)
ANHT 1720	Veterinary Clinical Pathology 1 (L)
ANHT 1730	Veterinary Clinical Pathology 2 (L)
ANHT 1800	Parasitology (L)
ANHT 1990	Animal Behavior 2
Year 2	
ANHT 2090	Animal Behaviour 3
ANHT 2200	Clinical Practicum
ANHT 2510	Anesthesia (L)
ANHT 2520	Clinical Practicum 1
ANHT 2530	Large and Small Animal Diseases
ANHT 2540	Large Animal Science
ANHT 2550	Large Animal Clinics 1 (L)
ANHT 2570	Surgical Assistance 1 (L)
ANHT 2580	Radiology (L)
ANHT 2590	Animal Nursing 3 (L)
ANHT 2600	Field Work Experience
ANHT 2610	Theriogenology
ANHT 2620	Animal Nursing 4 (L)
ANHT 2630	Clinical Practicum 2
ANHT 2640	Anesthesia and Intensive Care (L)
ANHT 2650	Large Animal Clinics 2 (L)
ANHT 2670	Surgical Assistance 2 (L)
ANHT 2680	Radiology 2 (L)
ANHT 2690	Laboratory Animals (L)
ANHT 2700	The Animal Health Technologist and Society
ANHT 2990	Animal Behaviour 4

Two, 3-week clinical practicums take place at veterinary facilities during the second year of the program.

Promotion Policy

A minimum of C in all courses and a cumulative GPA of 2.33 is required for promotion between semesters and for graduation from the program.

Failures and Repeats

Students who fail or withdraw from a course or courses during the program will be required to withdraw from the program at once.

Failing or withdrawing students should recognize that there is no guarantee of the opportunity to repeat. Demand for seats is such that space for course repeaters is unlikely to be available.

A student who fails to meet objectives of the program related to professional responsibility, accountability or patient safety may be refused re-admission to the program, at the recommendation of the Department Chairperson and the approval of the Divisional Dean.

Completion Requirement

Program completion is expected within 2 consecutive years following entry. In the event of failure, and at the discretion of the Chairperson, this may be extended to 3 consecutive years.

Program Contact

250.828.5175

Asthma Educators' Certificate

A post-graduate certificate for health care professionals with an interest in the management of asthma. Graduates receive an Asthma Educators' Certificate.

Learning Options

Part-time Study

The certificate is offered on a part-time basis. Students have up to eight months to complete each course and up to 2 years to complete all courses in the program.

Distance Education

Courses are completed online.

Program Start Dates

Enrollment is continuous between September 1 and May 1.

Program Overview

Through a collaborative partnership with the University of Alberta and the Alberta Asthma Centre, TRU offers this multidisciplinary, CNRC-approved, online, asthma educators' program. The program gives students the necessary background to optimally educate clients with asthma in prevention, health promotion and disease self-management. Graduates will be eligible to sit the CNRC exam for national certification as an asthma educator.

Admission Requirements

Prerequisites: Two-year diploma or certificate from a recognized health care field as defined by CNRC (Canadian Network for Respiratory Care).

An email with the interested participant's professional designation and professional experience must be sent to the Program Coordinator prior to registration to ensure the entry requirements are met for admission.

Laddering Credits to other Programs

This certificate program of study has been assigned a maximum of six academic upper level credits in the TRU Bachelor of Health Science.

Program Requirements

The TRU Asthma Educator Certificate prepares the health care professional to write the Canadian Network for Respiratory Care national certification exam to become a certified asthma educator (CAE). The program is comprised of three courses, which must be completed in this order:

ASHS 4610	Client-Centred Approach to Asthma
ASHS 4620	Concepts in Asthma
ASHS 4630	Asthma Management Planning

Activities in the program focus on promoting and enhancing interdisciplinary partnerships and collaboration. Internet access is required as this is the primary means of communication in the program. The participant will be required to mail-in five video-taped assignments that include three client interviews, a client teaching session and a public teaching session.

Profession-specific "choice" assignments in the second and third course allow health professionals to pursue various areas of interest related to asthma and receive credit for their assignments. Assignment design occurs between the participant and the facilitator for these "choice" assignments.

Online discussions are asynchronous in nature. Internet access is the primary means of communication in the program and should be easily accessed by the participant.

Successful completion of the program requires a grade of 70% or greater in each video assignment, the final exam and overall in the program. Each course must be completed within eight months. The program must be completed within two years.

Visit the Canadian Network for Respiratory Care cnrchome.net/ site for further information on CNRC.

Program Contact

Program Facilitator
250.371.5543

Animal Welfare Certificate

An eight-month distance education certificate. Graduates receive an Animal Welfare Certificate.

Learning Options

Distance Education

Offered online on a continuous-entry basis

Program Overview

The Animal Welfare Certificate program is a joint effort between the British Columbia Society for the Prevention of Cruelty to Animals and TRU. The program allows animal care workers, students and members of the public who wish to learn more about the animal humane field a way to increase their knowledge of animal welfare via distance education.

The program covers all aspects of running an animal humane shelter, including such topics as animal cruelty investigations, the human-animal bond, human conflict resolution and the connection between animal and child abuse.

Admission Requirements

There are no course prerequisites. Grade 12 equivalent is recommended.

Application Process

This is a continuous entry program. The student can apply at any time during the calendar year.

tru.ca/admissions

Laddering Credit to other Programs

The TRU Biology department accepts either, but not both, AWCP 1700 or AWCP 1710 as a non-science elective. The Arts Program committee has accepted both AWCP 1700 and AWCP 1710 as “non-Arts” credit courses. The Social Work Program accepts AWCP 1700 and AWCP 1710 as “general studies” credits.

Program Requirements

The program is a distance education course that has no on-site campus requirements. The student will receive printed course materials, videos and an instructional CD. Required texts are available through the TRU bookstore. The course assessment consists of several assignments that are contained in the text of the printed course materials. There are no exams. The student must achieve an overall average of 60% in their assignments to pass a course in the AWCP program.

The program is divided into two levels (AWCP 1700 & AWCP 1710). Each level is comprised of a series of modules. Depending on prior experience students can choose to complete both levels in sequence, or start immediately on the second level. Students may complete only selected modules from one level, depending on your individual requirements.

Completion of AWCP 1700 or AWCP 1710 will result in the student obtaining a certificate of completion and undergraduate course credits at Thompson Rivers University. The program must be completed within eight months. A maximum of one three-month extension may be granted for an additional fee.

Program Contact

250.828.5178

AWCP Program Assistant
250.377.6104

Architectural and Engineering Technology Diploma

A three-year diploma program. Graduates receive an Architectural and Engineering Technology (ARET) Diploma.

Learning Options

Full time study

On-campus

Courses are offered at the Kamloops campus

Program Start Date

Fall

Program Overview

Architectural and Engineering Technology provides its graduates with the technical skills required to enter careers in Building Architectural Technology or in the Civil and Mechanical fields. Demands for highly skilled technologists and designers are met by the detailed, intense and comprehensive career preparation offered to students in this program.

The ARET program emphasizes the design processes in building technology, involving design projects for building structures, electrical, plumbing, lighting, and HVAC (heating, ventilating and air-conditioning) systems. In addition, the ARET program introduces students to the design processes and terminology involved in civil technology,

incorporating design projects in subdivision planning, and municipal services.

Courses in building design, statics and strength of materials, structural analysis, fluid mechanics, steel design, wood design and reinforced concrete design will round out students' problem solving skills in engineering and building design.

Throughout the program students will use computer workstations that are comparable with the building design industry norm driving the latest releases of AutoCAD, Revit and Civil 3D software to develop their computer-aided design and drafting skills. Students will become proficient at customizing AutoCAD.

In addition to design and drafting instruction, ARET students will acquire knowledge in construction management, construction contracts, specifications, estimating, building regulations and construction surveying. Additional studies in mathematics, physics and a research project will also take place.

ARET is accredited with the Canadian Technology Accreditation Board (CTAB) at the technologist level in Building Architectural Technology. This credential is recognized in over seven other countries world-wide.

Career opportunities for ARET graduates include employment with professional engineers and architects, general contractors, sub-contractors, manufacturers, federal, provincial and municipal governments, as technical/sales representatives for product suppliers, and as self-employed designers. Opportunities may also be realized internationally.

ARET graduates with additional work experience may progress to positions such as senior designers, specification writers, estimators, quantity surveyors and project administrators.

Admission Requirements

Educational Requirements:

1. BC Grade 12 or equivalent or Mature Student Status.
2. Foundations of Math 12 (C) OR Pre-Calculus 11 (C+), or Math 0600; (Pre-Fall 2013 graduates - Principals of Math 11 or Math 0510 with a C+ grade); or equivalent.
3. Physics 11 OR Physics 0500, or equivalent.
4. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years.); or, Level 4 on the composition section of the L.P.I. (within the last 2 years.); or completion of English 0600; or equivalent.

NOTE: Students need a strong background in physics and math. Applicants whose math and physics prerequisites are more than 5 years old or applicants whose math and physics skills are weak should consider 'refresher' courses in these subjects prior to applying for the ARET program.

Application Process

Architectural and Engineering Technology program follows a 'limited' admission process. The minimum documentation required for an application to be processed is:

1. A completed Application Form
2. The application fee
3. A copy of your interim or final high school grades and official transcripts from all post-secondary institutions attended.

Official transcripts are required for admittance to the program, however they may be received after the application is processed.

Re-Application

If you were not accepted OR applied but did not attend last year, you must submit a NEW Application Form. Contact Admissions to ensure that all required documentation is still on file and complete.

There are 40 seats available in the program and applications are accepted and admission is determined on a 'first applied, first admitted' basis using the date by which applicants have met all the requirements. Students will be notified in writing when they are accepted into the program or placed on the waitlist. Once accepted, students are required to pay a $500 Commitment fee in order to secure their seat.

Program Requirements

Year 1 – Fall Semester	
ARET 1100	Graphical Communication (L)
ARET 1110	Computer Aided Design and Drafting (L)
ARET 1120	Introduction to Architectural Representation
ARET 1200	Materials and Applications 1
ARET 1500	Building Electrical Design (L)
MATH 1540 or MATH 1000**	Technical Mathematics 1 Pre-Calculus
Year 1 – Winter Semester	
ARET 1300	Building Technology 1 (L)
ARET 1400	Civil Technology 1 (L)
ARET 1510	Building Lighting Design
ARET 1410***	Construction Surveying (L)
CMNS 1850 or ENGL 1100*	Technical Writing 1 Introduction to University Writing
MATH 1640 Or MATH 1140 And MATH 1240**	Technical Mathematics 2 Calculus 1 Calculus 2
Year 2 – Fall Semester	
ARET 2500	Building Plumbing Design (L)
ARET 2100	Computer Aided Design and Drafting 2 (L)
ARET 2200	Materials and Applications 2 - Estimating (L)
ARET 2210	Construction Management
PHYS 1510	Applied Physics 1 (L)
Year 2 – Winter Semester	
ARET 2600	Statics and Strength of Materials

ARET 2220	Applied Research Project Seminar
ARET 2400	Site Planning and Development (L)
ARET 2300	Building Regulations
ARET 2120	Revit (L)
PHYS 1610	Applied Physics 2 (L)
Year 3 – Fall Semester	
ARET 3300	Building Design (L)
ARET 3600	Structural Analysis
ARET 3400	Fluid Mechanics
ARET 3500	Building Services Theory (L)
CMNS 2850	Technical Writing 2
ARET 3620	Wood Design
Year 3 – Winter Semester	
ARET 3310	Building Technology 2 (L)
ARET 3510	Building HVAC Design(L)
ARET 3610	Steel Design
ARET 3630	Reinforced Concrete Design

Graduation from the program is granted to students who have achieved a GPA of 2.33 or better, and have successfully completed the Technical Report.

MATH 1540 and MATH 1640, or MATH 1000, MATH 1140 and MATH 1240 must be completed to fulfill ARET requirements.

*Note: Consult COURSE DESCRIPTIONS for ENGL 1100 prerequisite requirements.

**Note: Consult COURSE DESCRIPTIONS for MATH 1000, MATH 1140 and MATH 1240 prerequisite requirements.

***NOTE: The ARET 1410 Construction Surveying course will run for two weeks starting after the end of final exams.

Promotion Policy

Admission to the second year of the program is granted to students who have successfully completed all first year courses and have achieved a minimum GPA of 2.33.

Admission to the third year of the program is granted to students who have successfully completed all second year courses and have achieved a minimum GPA of 2.33

Graduation from the program is granted to students who have successfully completed all of the required courses for graduation, achieved a GPA of 2.33 or better, and have successfully completed the Technical Report.

MATH 1540 and MATH 1640, or MATH 1000, MATH 1140 and MATH 1240 must be completed to fulfill the ARET graduation requirements.

Program Contact

ARET Chair
250.371.5934

Certified Respiratory Educator Certificate

A post-graduate certificate for the health care professional who has an interest in the management of asthma and Chronic Obstructive Pulmonary Disease (COPD).

Learning Options

Part-time Study

The certificate is offered on a part-time basis. Students have up to eight months to complete each course and up to two and a half years to complete all courses in the program.

Distance Education

Courses are completed online.

Program Start Dates

Enrollment is continuous between September 1 and May 1.

Program Overview

The TRU Certified Respiratory Educator Program (CRE) is a CNRC-approved, online delivered, 4 course certificate program that satisfies the CNRC learning objectives to prepare the interested health care professional to write the CNRC CRE national certification exam to become a certified respiratory educator.

The program content is composed of both asthma and COPD (chronic obstructive pulmonary disease) management concepts. Health care professionals with this training and certification will be able to help individuals with asthma and COPD to better manage their disease and optimize their quality of life.

Admission Requirements

Prerequisites: Two-year diploma or certificate from a recognized health care field as defined by CNRC (Canadian Network for Respiratory Care).

An email with the interested participant's professional designation and professional experience must be sent to the program coordinator prior to registration to ensure the entry requirements are met for admission.

Program Requirements

Individuals seeking CRE certification must satisfy the following course completion in the order listed:

- ASHS 4610
- ASHS 4620
- ASHS 4630
- ASHS 4720

Laddering Credit to other Programs

A maximum of nine upper level credits from this program may be applied to the TRU Bachelor of Health Science degree.

Program Contact

250.371.5543

Computing Science Diploma

A two-year diploma program. Graduates receive a Computing Science Diploma (CS diploma). A Co-operative Education option is offered.

Learning Options

Full-time or Part-time Study

Most students complete the program through full-time study. A limited number of students may study part-time.

On-campus

Courses are offered at the Kamloops campus. Students who choose the Co-operative Education option spend work terms off-campus.

Program Start Date

Fall

Program Overview

Students graduating from the Computing Science Diploma (CS Diploma) are able to immediately become productive employees, and have the breadth of background necessary for advancement as their career progresses. Graduates may become computer programmers, E-commerce programmers, website developers, network administrators, software developers, systems designers, or systems managers. Students completing this program may be hired as the only "computer person" in a small business, or they may begin their career in a junior position with a large computing organization.

The program accommodates students who have just graduated from secondary school and more mature students who are seeking a career change or the opportunity to enhance their job skills.

All graduates will have considerable experience with programming languages, data structures, databases and files, hardware components and specifications, networking methodology, as well as systems. The main emphasis of the program is to highlight the importance of sound problem-solving methodology, supported by hands on instruction in the most popular and the most utilized computing software and hardware. This approach, together with courses in English and Mathematics, will ideally prepare students for work, further training and advancement. A commitment to professionalism is an essential characteristic of the program.

CS is accredited by the Canadian Information Processing Society (CIPS).

Co-operative Education

Co-operative Education is the integration of theory and practical experience. Students have specific periods of paid employment (Work Terms) alternating with specific periods of study (Academic Semesters).

Students with a minimum cumulative GPA of 2.33 will be eligible to apply for participation in three four-month Work Terms. The number of co-op students may be limited. For additional information, brochures and work term eligibility criteria, contact the Career Education Department, 250-371-5627.

Co-op Time Pattern for CS Diploma students:

Co-op options: 4 months between semesters 2 and 3 (May to August), and/or 12 months between semesters 3 and 4 (January to December).

CS is offered both as a Co-op program and as an optional regular program. Consult the Program Coordinator for details.

Admission Requirements

Educational Requirements

1. BC Grade 12 or equivalent with C+ average
2. One of Pre-calculus Math 12, Foundations of Math 12, or Principles of Math 12 (or equivalent) with a minimum grade of C+; or MATH 1000, MATH 1001, MATH 0610 or MATH 0633 within the last two years with a minimum grade of C+
3. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years); or Level 4 on the composition section of the Language Proficiency Index (within the last 2 years); or Completion of English 0600; or Completion of ESAL 0570 and ESAL 0580 with a C+ or better.
4. ECOMP 12 or COMP 0600, or equivalent or Coordinator's permission.

General Requirements

1. Submission of a completed CS Diploma admissions questionnaire prior to the student orientation meeting
2. Orientation meeting with the Program Coordinator or designate

Application Process

Applicants should request an application package from the Admissions Office tru.ca/admissions. Since there are a limited number of places available in the program, applications should be submitted early.

Up to 36 full-time non-repeating students will be given confirmed seats prior to June 15 in order of their application date, providing they have completed all admission requirements.

Part-time Students

Students who are studying part-time will be wait-listed prior to June 15 and will be admitted subsequently subject to space being available, as determined by the department.

Students Repeating Courses

Students who are repeating course will be wait-listed prior to June 15 and will be admitted subsequently subject to space being available, as determined by the department.

Program Requirements

Note: All second year computer courses require either successful completion of first year as a prerequisite or department permission.

Year 1 – Fall Semester	
Communications or English – 3 credits (see Note 1 below)	
MATH 1380	Discrete Structures 1
COMP 1130	Programming 1 (Java)
COMP 1020	
COMP 1030	
COMP 1050	
COMP 1080	
COMP 1090	
One of the following:	
COMP 1040	
COMP 1070	
Year 1 – Winter Semester	
MATH 1390	Discrete Structures 2
COMP 1230	Programming 2 (Java)
COMP 2210	Visual Programming Design
Comp 2130 or COMP 2680	
Note. Possible choices include ENGL 1100/CMNS 1290, CMNS 1810/19X0, ENGL 1100/SPEE 2500, CMNS 1810/SPEE 2500, or other combinations approved by the Program Coordinator.	
Year 2 – Fall Semester	
COMP 2230	Data Structures
COMP3520	Software Engineering
COMP 3610	Databases
COMP 2680 or Elective	
Note. Electives include COMP 1810, 2130, 2230, 3140, 3270,3540, 4830 or Mobile Applications 1.	

See stream options below before choosing. Students must complete prerequisite courses before taking the Semester 4 courses.

Second Year CS Diploma, Semester 4

Choose 5 computing science electives approved by the Program Coordinator. See Streams below.

Second Year CS Diploma, Semester 4 - Database Stream

Choose 5 electives approved by the Program Coordinator including one or more of COMP 4610, 4620 (see note 1), DBA

Note: 1. COMP 3540 must be completed in semester 3.

Second Year CS Diploma, Semester 4 - Game Development Stream

Choose 5 electives approved by the Program Coordinator including COMP 2810 (see note 1)

Note: 1. COMP 1810 must be completed in semester 3.

Second Year CS Diploma, Semester 4 - Mobile Applications Stream

Choose 5 electives approved by the Program Coordinator including Mobile Applications 21

Note: 1. Mobile Applications 1 must be completed in semester 3.

Second Year CS Diploma, Semester 4 - Networks Stream

Choose 5 electives approved by the Program Coordinator including COMP 3260 or 4250(see note 1)

Note: 1. COMP 2130 and 3270 must be taken in semesters 2 and 3.

Second Year CS Diploma, Semester 4 - Web Development Stream

Choose 5 electives approved by the Program Coordinator including COMP 4620 (see note 1)

Note: 1. COMP 2680 and 3540 must be taken in semesters 2 and 3.

Promotion Policy

To qualify as a prerequisite within the program, a mark of C- or better must be achieved.

Program Contact

250.371.5696

Digital Art and Design Diploma

A two-year diploma program. Graduates receive a Digital Art and Design (DAAD) diploma.

Learning Options

Full-time Study

On-Campus

The program is offered on the Kamloops campus.

Program Start Dates

Fall (September) semester only

Program Overview

The primary objectives of the Digital Art and Design Program are: preparation for employment in the diverse field of computer graphics and multi-media, while exposing students to a variety of computer

graphics software applications and the development of sound visual communications and problem solving skills.

The Digital Art and Design Diploma Program is a four-semester career oriented program which uses technology commonly found in industry. Training will be hands-on intensive, covering a variety of computer graphics applications including: multimedia, desktop and Internet publishing, graphic design and digital pre-press technology. Students can expect to produce a presentation level portfolio of work in the form of printed and electronic media.

Entrance to the program is suited to those students wishing to pursue a career in computer graphics, desktop publishing, on-line publishing or multimedia, who demonstrate, via portfolio, sound design and illustration skills. A dedicated work ethic, a commitment to professionalism and the ability to work to tight production deadlines will be required of students taking the program.

Complete information on the DAAD program is available online at www.tru.ca/science/programs/daad

Admission Requirements

Educational Requirements

1. BC Grade 12 OR equivalent
2. English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years); or Level 4 on the composition section of the L.P.I. (within the last 2 years.);or completion of English 0600; or completion of ESAL 0570 and ESAL 0580 with C+, or better

General Requirements

1. Canadian Citizenship or Permanent Resident Status
2. Qualified applicants are expected to have previous computing experience. If not, it is highly recommended that you complete COMP 0500, an operating systems course or equivalent. Basic computing skills will not be covered in the program, and you hinder your chances of success if your computing skills are weak.
3. Qualified applicants are required to view a program orientation presentation
4. Qualified applicants will be required to submit an Art Portfolio of 10 previous art and/or design works (can be in original, slide, photographic or electronic form). Submit a 'statement of intent' with your portfolio (describe the role of the DAAD program in your overall career objectives).

Application Process

Applications are submitted to the Admissions Office. Consideration will be given to all applicants who meet the minimum admission requirements. Admission to the Digital Art and Design Program is determined by a 'limited' admission process.

Documentation required for an application to be processed is:

- A completed application form
- Application Fee
- A copy of your interim or final high school grades and official transcripts from any post-secondary institutions attended.

Program Requirements

Year 1 - Fall Semester	
DAAD 1200	Graphic Design (L) (2,1,1)
DAAD 1300	Typography (L) (2,1,0)
DAAD 1500	Digital Photography1 (L) (3,1,0)
DAAD 1750	Graphic Apps and DAAD Systems (L) (2,1,3)
VISA 1210	Drawing 1 (L) (3,1,0)
Year 1 - Winter Semester	
DAAD 1100	Communications Graphics 1 (L) (2,1,0)
DAAD 1950	DTP & DPP 1 (L) (2,1,3)
DAAD 1960	New Media 1 (L) (2,1,3)
CMNS 1810	Business Writing (4,0,0)
VISA 1220	Drawing 2 (L) (3,1,0)
Year 2 - Fall Semester	
DAAD 2950	Desktop Publishing & Digital Prepress (L) (2,1,3)
DAAD 2960	New Media 2 (L) (2,1,3)
DAAD 2750	Graphic Apps and DAAD Systems 2 (L) (2,1,3)
DAAD 2880	Project Management & Client Contact (L) (3,1,1)
CMNS 2310	Writing and Editing for Publication (3,0,0)
Year 2 - Winter Semester	
DAAD 2840	Content Creation & Information Design (L) (2,1,3)
DAAD 2860	DAAD Project (L) (0,1,6)
DAAD 2990	DAAD Internship
DAAD 2600	Production Art (L) (0,2,6)
MNGT 1430	Marketing (4,0,0)
VISA 1500	Visual Culture (3,0,0)

Engineering Transfer Programs

TRU offers a first year Engineering Transfer program that is general in nature and common to all engineering specializations. Although the primary transfer paths have been to UBC and UVic, transfers elsewhere are also possible. In fact, TRU Engineering students have successfully transferred to Engineering programs across BC and outside the province (Simon Fraser University, the University of British Columbia, the University of Victoria and the University of Alberta). UBC and UVic consider engineering transfer programs such as TRU's as making significant contributions to the completion of engineering degrees in BC. While transfer is simplest to BC universities, transfer outside the province is possible to various extents as described below. Admission to the engineering faculty at any university is competitive, and reaching the minimum required standard is no guarantee of entry. Selection depends on academic performance. All applicants interested in obtaining an engineering degree are strongly recommended to consult current university calendars to familiarize themselves with the programs available.

Engineering transfer programs are recognized as a desirable means of beginning engineering degree studies. Small class sizes and the strong

teaching focus typical of engineering transfer programs offer the potential for increased student success.

Students may enter the TRU first year Engineering transfer program directly from Grade 12 or following a year or more of Science studies or other relevant studies.

University of British Columbia

The Faculty of Applied Science at UBC offers programs leading to the Bachelor of Applied Science degree (BASc) in Chemical, Civil, Electrical, Computer, Geological, Integrated, Mechanical, Metals and Materials, Mining and Mineral Process Engineering, and Engineering Physics. The first year of engineering studies is common to all disciplines. A co-operative education option is available to students in the UBC Engineering program. Entry into the co-op program is competitive, but many TRU transfer students have successfully pursued this option.

University of Victoria

The Faculty of Engineering at UVic offers fully co-operative Bachelor of Science degree programs in Computer Engineering, Electrical Engineering, Mechanical Engineering, Mechantronics Engineering, and various joint options with other academic departments. Transfer from TRU into these programs has been successful for students with sufficiently high GPA in the first year Engineering program at TRU. Interested students should contact the TRU Engineering Transfer Program Coordinator.

Simon Fraser University

The School of Engineering Science at SFU offers an undergraduate degree with concentrations in Computer Engineering, Electronics Engineering, Engineering Physics, or Systems Engineering. Each includes mandatory participation in a co-operative education component. Entry into SFU Engineering Science programs is very competitive. Interested students should contact the TRU Engineering Transfer Program Coordinator for more details.

University of Alberta

The Faculty of Engineering at the University of Alberta offers undergraduate programs in Chemical, Materials, Civil, Environmental, Computer, Electrical, Mechanical, Mining, and Petroleum Engineering, in addition to Engineering Physics. TRU does not have a formal Engineering transfer agreement in place with the University of Alberta. However, students successfully completing the first year of Engineering at TRU have been able to transfer to the University of Alberta with considerable advanced standing. Interested students should contact the TRU Engineering Transfer Program Coordinator for more details.

Procedure for Admission to TRU Engineering Transfer Year 1 Directly from Secondary School

Applications should be received no later than March 1 for admission the following September. Applications will be accepted after this time if space permits.

The minimum prerequisites for admission direct from secondary school are:

1. BC Grade 12 graduation or equivalent.
2. English 12/English 12 First Peoples with a minimum of 73% within the last 5 years, or LPI level 5; or completion of ENGL 0600; or completion of ESAL 0570 and ESAL 0580 with a C+ or higher
3. Completion of Pre-calculus 11 and 12, Chemistry 11, and Physics 11 and 12, or equivalents; with a minimum grade of B in each. Chemistry 12 is preferred and strongly recommended.

Although not mandatory, the following will be very beneficial for students considering Engineering studies at TRU or elsewhere:

1. Calculus 12
2. A Computing or Information Technology course teaching computer programming and problem solving experience with high level languages such as Java, C/C++, or Visual Basic.

Eligible applicants will be granted a conditional admission to the program, and must attend one of several pre-registration orientation sessions in May and June to select courses and be registered in the program. If unable to attend, applicants must contact the TRU Engineering Transfer program coordinator to make alternate arrangements. Admitted students should call the Faculty of Science Office at 250.828.5454 to enroll in a pre-registration orientation session.

Applicants meeting minimum prerequisites are eligible for admission to the program but, allocation of seats will be competitive based on grades achieved in Grade 11 and 12 prerequisite courses.

First Year Engineering Course Requirements - for students having completed Chemistry 12

Year 1 – Fall Semester	
COMP 1520	
DRAF 1520	
ENGL 1100	
EPHY 1150	
MATH 1130	
MATH 1300	
Year 1 – Winter Semester	
EPHY 1250	
EPHY 1700	
EPHY 1990	
CHEM 1520**	
MATH 1230	
Complementary Studies (3 credits)*	
*Students planning to transfer to UVIC in all disciplines but Software engineering, must take CMNS 1290 for their complementary studies. Students planning to transfer to UVIC in Software engineering should take COMP 1230 for their complementary studies.	
** Students who have not completed Chemistry 12 (or equivalent) will not be required to take CHEM 1500 in place of ENGL 1100 in the fall semester. ENGL 1100 should be postponed to the winter semester. These students will not complete all requirements in year 1 but may still be eligible to transfer.	

***UBC approved complementary studies courses include ARCH 1110, 1190, and 1210; ECON 1900, and 1950; ENGL 1110; GEOG 2110 and 2220; HIST 1030, 1120, 1220, and 1260; PHIL 1110 and 1210; POLI 1110 and 1210; PSYC 1110 and 1210; SOCI 1110.

On successful completion of first year engineering at TRU, students are eligible to apply for transfer into a second year specialty.

Procedure for Admission to TRU Engineering Transfer Year 1 from First Year Science or Related Studies

Students who have completed first year Science, Computer Science, or Mathematics at TRU or elsewhere may also apply for entry into the first year Engineering Transfer Program.

Applications should be received no later than March 1 for admission to the September intake. Applications will be accepted after March 1 if space permits. Admission to the Engineering transfer program is competitive and will be based on cumulative GPA and grades earned in relevant prerequisite courses. Simply meeting the minimum criteria for admission will not guarantee a seat in the program.

The minimum prerequisites are completion of the following together with an overall cumulative grade point average of 2.5:

CHEM 1500/1510 or CHEM 1500/1520 [1]	(C+)
ENGL 1100 or ENGL 1110	(C+)
MATH 1130/1230 [2] or MATH 1140/1240	(C+) (B)
PHYS 1150/1250[3] or 1100/1200	(C+)
Appropriate Electives[4]	(9 University credits with C+ or better)
[1] For students who did not take CHEM 12 or equivalent, CHEM 1500/1520 are acceptable for Engineering Transfer credit.	
[2] MATH 1130/1230 are preferred but MATH 1140/1240 with suitable standings will also be accepted for Engineering Transfer.	
[3] Students who have not taken PHYS 1150/1250 or equivalent will be required to take EPHY 1150/1250 if admitted to the engineering program.	
[4] Students should consider the following in their course planning and selection of electives: UBC Engineering transfer requires a complementary studies elective selected from ARCH 1110, 1190, and 1210; ECON 1900, and 1950; ENGL 1110; GEOG 1190, 1200, 2110 and 2220; HIST 1030, 1120, 1220, and 1260; PHIL 1110 and 1210; POLI 1110 and 1210; PSYC 1110 and 1210; SOCI 1110. Sufficient standings in COMP 1130 can constitute credit for COMP 1520. Students with sufficiently strong mathematics standing may be given permission to complete MATH 1300 during first year science studies (space permitting).	

Suitable science electives are outlined in the TRU calendar. Since some courses are common between the first year engineering, science, computer science, and mathematics programs, students can better prepare themselves for engineering transfer through careful course selection. Interested students should pay particular attention to course selection note 4 in the table above and consult with the program coordinator if they require further guidance.

Successful applicants with suitably high standings can expect to receive Engineering transfer credit for selected courses completed as outlined above. These students will be enrolled in a mixture of first year Engineering and second year science courses selected in consultation with the program coordinator. Course selections will depend on courses previously completed, desired engineering specialization, and choice of receiving institution. These could include but will not necessarily be restricted to the following:

APSC 1200	GEOG 1190, 1200, 2110, 2120, and 2220
CHEM 2000, 2100, 2120, 2160, 2220, and 2250	MATH 1300, 2110, 2120, 2240 and 3170
COMP 1130, 1520, 1230 and 2xx0	PHYS 2000, 2150, 2250, 3090, and 3100
DRAF 1520	STAT 2000
EPHY 1150, 1250, 1990, 1700, 2150, and 2250	Complementary Studies Electives

Suitable additional elective courses may be selected to round out a student's course load.

Program Contact

250.828.5404

Environmental Studies Certificate

Learning Options

Full-time or Part Time Study
Students may study full-time or part time.

On-Campus
The complete certificate is offered on the main campus of TRU in Kamloops.

Program Start Date(s):
Students may enter the program in September, January or May if they are taking courses on campus. Some distance courses are also based on September or January start dates, while others offer the ability to start at any time.

Program Requirements

Environmental Studies Certificate	
BIOL 1110	First-year Biology
BIO 1210	
NRSC 1120	
NRSC 1220	Dendrology
GEOG 2100	Human Interaction with the Natural Environment
GEOG 1120	Earth's Lands and Waters
GEOG 1220	Climatology and Biogeography
CHEM 1500	
CHEM 1510 or CHEM 1520	
GEOL 1110	Physical Geology
GEOL 2050	Geological Time

Forestry Transfer Program

Learning Options

Full-time or Part-time Study

On-Campus

The program is offered at the Kamloops campus.

Program Start Dates

Fall, Winter, or Summer semester.

Distance Education

Many courses are available by distance education. Visit www.tru.ca/distance

Program Overview

The Faculty of Forestry at UBC offers four-year degree programs of undergraduate study in five areas of forestry: Forest Resources Management, Forest Operations, Forest Science, Wood Science and Industry, and Natural Resource Conservation.

The first two years are designed to prepare students for entry into the profession of forestry and the last two years for careers in a specialized field.

TRU offers the first general year of Forestry and the second year of Forest Resource Management, Forest Science, Natural Resource Conservation, and Forest Operations.

Admission Requirements

Academic Requirements
The minimum prerequisites are:

1. Grade 12 graduation (or equivalent)
2. Math 12
3. English 12/English 12 First Peoples with a minimum of 73% within the last 5 years
4. Two of Biology 11*, Chemistry 11, or Physics 11 (all three strongly recommended)
5. One of Biology 12, Chemistry 12 or Physics 12
6. Biology 11 is the minimum requirement for entry into BIOL 1110 at TRU

Students entering from 1st Year Science:

Students may elect to enter second year Forest Resource Management upon completing a first year Science program at TRU, or its equivalent. Applicants must have completed:

BIOL 1110 or BIOL 1210
CHEM 1500 or CHEM 1510
PHYS 1100/1200 or PHYS 1150/1250
ENGL 1100 or 1110 or 1210 (any one)
MATH 1140/1240 or MATH 1150/1250
STAT 2000 or BIOL 3000

Second Year:

Fall Semester	**Winter Semester**
ECON 1900	COMP 1000*
NRSC 1120	ECON 1950
NRSC 2000	NRSC 1220
NRSC 2100	NRSC 2110
GEOG 1220	NRSC 2200
NRSC 1110	

*3 credits of Introduction to Computing

Application Process

The following documentation must be provided:

1. Proof of Citizenship or Permanent Resident status if not born in Canada
2. Official transcripts of previous secondary and post-secondary education record
3. The application fee
4. A completed Application for Admission form
5. A copy of your official interim or final grades

Program capacity is 20 students in each of years one and two. Applicants should submit an Application for Admission form and related documentation as soon as requirements are completed.

You will be notified in writing by Admissions if you have been accepted into the program.

Prior to registration, you will be asked to arrange a meeting with the Program Coordinator at 250.828.5467 to discuss course requirements.

Transfer to UBC

Students who have completed the required first or second year courses with a Grade Point Average of at least 2.50 are eligible to apply for admission to the UBC Faculty of Forestry. GPA is calculated over all attempts (including failures) in all courses. Admission to the Faculty of Forestry may be competitive and chances of acceptance increase with GPA standing.

Course Requirements for Forest Science

First Year:

Fall Semester	Winter Semester
BIOL 1110	BIOL 1210
CHEM 1500	CHEM 1510
ENGL 1100 or 1110	ENGL 1110 or 1210
MATH 1140 or 1150	GEOG 1220
NRSC 1110	MATH 1240 or 1250

Second Year:

Fall Semester	Winter Semester
BIOL 2130	BIOL 3130
CHEM 2120	CHEM 2220
NRSC 1120	NRSC 1220
NRSC 2100	NRSC 2000
STAT 2000 or BIOL 3000	NRSC 2200

Course Requirements for Natural Resource Conservation

First Year:

Fall Semester	Winter Semester
COMP 1000 *	BIOL 1210
ECON 1900	ENG 1110/1210
ENGL 1100 or 1110	ECON 1950
NRSC 1110	NRSC 1220
NRSC 1120	MATH 1140 or 1150 or 1400

* 3 credits of Introduction to Computing

Second Year:

Fall Semester	Winter Semester
NRSC 2000	BIOL 4160
NRSC 2100	GEOG 1220
GEOG 11202	NRSC 2200
SOCI 11101	SOCI 1210
BIOL 3000 or STAT 2000	Elective

Course Requirements for Forest Operations

First Year:

Fall Semester	Winter Semester
BIOL 1110	BIOL 1210
ENGL 1100 or 1110 or 1210	COMP 1000 *
NRSC 1120	ECON 1900
MATH 1140 or 1150	NRSC 1220
NRSC 1110	Elective

* 3 credits of Introduction to Computing

Second Year:

Fall Semester	Winter Semester
NRSC 2000	BIOL 4160
NRSC 2100	ECON 3730
NRSC 4130	NRSC 2110
STAT 2000 or BIOL 3000	NRSC 2200
Elective	Elective

Note: TRU does not offer Forest Operations 1 and 2 which are ordinarily taken in year 2 at UBC. See the program coordinator to discuss your options.

Course Requirements for Forest Resource Management

First Year:

Fall Semester	Winter Semester
BIOL 1110	BIOL 1210
ENGL 1100 or 1110	ECON 1900
NRSC 1120	NRSC 1220
MATH 1140 or 1150	GEOG 1220
NRSC 1110	Elective

Second Year:

Fall Semester	Winter Semester
CHEM 1500	COMP 1000*

PHYS 1100 or 1150	ECON 3730
NRSC 2000	NRSC 2110*
NRSC 2100	NRSC 2200
STAT 2000 or BIOL 3000	NRSC 3170
Elective	Elective
*FIRST 2210 is taken in year 3 at UBC.	

* 3 credits of Introduction to Computing

Program Contact

Natural Resources Science
250.828.5467

Respiratory Therapy Program

The Respiratory Therapy Program is a three-year diploma program or a four-year dual credential program. The four year dual credential program consists of a RT diploma and bachelor's degree in Health Science. Graduates of the three- or four-year program receive a Respiratory Therapy Diploma and are eligible to undertake the National Certification Examination for professional qualification as a Registered Respiratory Therapist.

Learning Options

Diploma or Degree

There are several completion options in the Respiratory Therapy program:

- 3-year Diploma stream
- 4-year dual Diploma/Degree stream (RT/BHSc)
- 2-year Diploma for students with a BSc degree (aka Fast-track)
- Joint 3-year RT Diploma and Masters in Education

The dual Diploma/Degree stream allows successful students to graduate with both a 3-year RT diploma and a Bachelor of Health Science Degree within a four-year period.

Year one is the same for both RT Diploma and Dual credential. Students declare interest to enter into the dual Diploma/Degree stream or during year one of the program.

Full-time Study

In order to complete the diploma within 3 years or the dual credential within 4 years, students need to be studying on a full-time basis.

On-campus

Year 1 & 2 courses of the diploma stream and Year 1, 2 and 3 courses of the dual diploma/degree stream are offered on the Kamloops Campus. The courses in the final year (year 3 of the Diploma stream and year 4 of the dual credential stream) are delivered at clinical affiliate sites.

Distance Education

Students accepted into the Fast-track option are required to complete 4 distance courses through TRU-OL prior to entry into program. Students enrolled in the dual Diploma/Degree stream, may take their non-RESP courses either on campus or via distance. The required HLTH courses for the BHSc degree are taken as distance courses.

Program Overview

Respiratory Therapy (RT) is an allied health discipline devoted to the scientific application of technology in order to assist in the diagnosis, treatment, management and care of patients with respiratory and associated disorders. Respiratory Therapists are important members of modern hospital medical teams.

TRU is the only educational institution in British Columbia to offer a program in Respiratory Therapy (RT). The program is accredited by the Canadian Society of Respiratory Therapists.

Following completion of studies at TRU campus, the student completes an 11 month clinical internship at accredited hospitals affiliated with TRU. The clinical year begins in early June, with students spending time at various hospitals gaining exposure to all aspects of the duties of a Respiratory Therapist. Clinical year students will rotate between hospitals in the Interior, Lower Mainland and Vancouver Island. Applicants must be prepared to relocate as required. Specific rotations cannot be guaranteed.

Following successful completion of the diploma program the graduate is eligible to sit the National Certification Examination which grants the professional qualification of R.R.T. (Registered Respiratory Therapist).

The Fast-track option is also unique to the Respiratory Therapy program at TRU. This option gives recognition to a student's BSc and allows the student to complete the RT diploma within 2 years (1 academic year and 1 clinical year).

Another unique and new option to the TRU-RT program is the possibility of obtaining a joint RT Diploma and Masters in Education degree within 3 years. This option is open to students who already have a BSc degree and would normally qualify for the Fast-track RT stream. Students would divide their RT courses and MEd courses over 4 semesters (2 years) followed by a clinical year. There is limited space for this option. Students must apply for both the RT program and the MEd program individually. Contact the Academic Coordinator for more information at lmueller@tru.ca

Program Costs

In addition to tuition and fees students should plan to budget for the following (costs are subject to change):

- Students are encouraged to join the CSRT early in the first year. A three-year membership is $100.
- Clinical year students (or graduates) will need to pay a $700 fee for the RRT credential exam.
- Relocation: Students must be prepared to relocate to the Lower Mainland, Victoria, or Kelowna for all or part of third year.
- Med program costs are separate from RT program costs.

Admission Requirements

As there are a limited number of seats, applications should be submitted early. It is important to complete all aspects of the application.

Students must attend a program information session (details at www.tru.ca/science/programs/rt/information_sessions or arrange a visit to a large hospital that has an active RT department. Prior to going for a hospital visit, applicants must complete the questionnaire found at the web address listed above.

Out-of-province students or students unable to attend a program information session can meet this requirement via a telephone interview with the Academic Coordinator. Email lmueller@tru.ca to set up interview appointments.

Minimum Academic Criteria for Admission

Educational Requirements (These credits must normally have been obtained within five years of application.)

1. BC Grade 12 Graduation with a C+ minimum average or equivalent.
2. Foundations of Math 12* or Pre-calculus 12*, or MATH 0600 and 0610, or equivalent with a C+ minimum grade.
3. Chemistry 12, or CHEM 0600, or equivalent with a C+ minimum grade.
4. Biology 12, BIOL 0600, or equivalent with a C+ minimum grade.
5. English 12/English 12 First Peoples with a minimum of 67%, ENGL 0600 with a C+ minimum grade, or ESAL 0570 and ESAL 0580 with a C+ minimum grade, or Level 3 on LPI, or equivalent.
6. Physics 11, PHYS 0500, or equivalent with a C+ minimum

**Prior to 2013, Principles of Math 12 with a minimum C+ grade is required.*

For students entering first year, transfer credit for previous post-secondary education will be given when course transcripts are reviewed by the Academic Coordinator. Course outlines may be required.

General Requirements

1. Proof of Canadian Citizenship or Permanent Resident status.
2. Official transcripts from all secondary and post-secondary institutions attended.
3. Verification of program information session attendance or hospital RT department visit.
4. Completion of "C" level CPR (preferably with AED)
5. Complete immunization record (upon acceptance).
6. Criminal record check (upon acceptance).

*As of Sept 2014, Completion of CPR-C with AED will be required upon acceptance.

Admission for students holding a Bachelor of Science Degree

Students who have an undergraduate Science Degree or a Science Associate Degree may apply for advanced placement into the second year of the program. (aka Fast-track option). This fast track option is available on a selective admission basis. Applicants need to complete a program application, and select "Year 2, Fall semester" on the application form. This fast-track option requires the student to successfully complete 4 distance courses prior to entry into the 2nd year of the Fall semester.

Alternatively, applicants with a science associate or undergraduate degree who are not admitted into the Fast-track option may be eligible for advanced placement into year one, semester two. Contact the Academic Coordinator for more information regarding this. Course transcripts will be reviewed for advanced credits.

Application Process

Prospective students must submit a completed application form together with documentation of the items listed under General Requirements. The application should include evidence of meeting all program prerequisites. Applications for the September intake are accepted starting October 1.

Application Deadlines

Admission Requirements package and the application form are available at tru.ca/admissions

First year applicants will be notified of their application status by the end of April. Fast-track applicants will be notified in early March. Note: Acceptance is conditional based on receipt of final grades.

Immunization forms and Criminal Record Check (CRC) consent forms will be sent to the student once they've been accepted into the program.

Students are required to submit the completed immunization record and CRC consent forms within one month after their start date.

Selection Criteria

Admission into the Respiratory Therapy Program is determined by a selective admission process based on academic qualifications. Applicants who meet the minimal education requirements for admission are ranked and selected for admission according to the following:

- Highest GPA in high school and post-secondary education
- Number of years of post-secondary education

- Number of completed post-secondary science courses

Criminal Record Check

RT applicants are required to undergo a criminal record check after they have been admitted to the program. A Criminal Record Check consent form is sent to applicants who are admitted to the program. TRU will initiate an on-line criminal record check request through the Ministry of Public Safety and Solicitor General on behalf of the students. Students will be charged a fee for the criminal records check along with their commitment fee.

Our clinical affiliates require a criminal record check prior to accepting students for clinical placement. Clinical agencies reserve the right to refuse to accept students with a criminal record. Not completing the clinical placements prevents a student from successfully completing the program. The Canadian Society of Respiratory Therapy and the provincial colleges of Respiratory Therapy may deny student membership and/or RT registration to candidates with criminal convictions.

Program Requirements

Year 1 – Semester 1 and 2	
BIOL 1590/1690	Human Biology - Anatomy and Physiology (L)
CMNS 1810	Business, Professional and Academic Composition
CMNS 1970	Report Writing and Presentation for Students of Respiratory Therapy
STAT 1200	Introduction to Statistics
PHYS 1580	Physics for Respiratory Therapists (L)
RESP 1650	Introduction to Mechanical Ventilation
RESP 1580	Instrumentation for Respiratory Therapists (L)
RESP 1680	Instrumentation for Respiratory Therapists 2 (L)
RESP 1690	Cardiopulmonary Anatomy & Physiology
RESP 2510	Pharmacology
RESP 2720	Professional Issues
Year 2/3 – Fall Semester	
RESP 2500*	Pathophysiology 1
RESP 2550	Mechanical Ventilation (L)
RESP 2570	Blood Gas Analysis and Interpretation (L)
RESP 2590*	Patient Assessment (L)
RESP 2680	Pulmonary Function (L)
Note: courses with * are taken during 2nd year, fall semester of the dual credential program. Those without an *are taken in the fall semester of 3rd year of the dual credential.	
Note: Successful completion of these courses is required for promotion to next semester.	

Year 2/3 – Winter Semester	
RESP 2640	Application of Mechanical Ventilation (L)
RESP 2600*	Respiratory Pathophysiology 2
RESP 2620*	Anaesthesia (L)
RESP 2630	Neonatology (L)
RESP 2710	Assessment and Interventions in Multisystem Disorders (L)
Note: courses with * are taken during 2nd year, winter semester of the dual credential program. Those without an * are taken in the winter semester of 3rd year of the dual credential.	
Clinical Year (3rd year of the diploma; 4th year of the dual credential)	
RTCL 3040	Neonatal and Pediatrics (Clinical)
RTCL 3110	Level 1 Clinical (Rotation)
RTCL 3120	Level 2 Clinical (Rotation)
RTCT 3040	Clinical Theory: Neonatal and Pediatrics
RTCT 3110	Respiratory Therapy Clinical Theory (Level 1)
RTCT 3120	Respiratory Therapy Clinical Theory (Level 2)

Completion Requirement

Diploma completion is expected within 3 consecutive years following entry. At the discretion of the Academic Coordinator, this may be extended to 4 consecutive years. Please see the Academic Coordinator for details regarding the dual diploma-degree stream. Full time dual credential students should be able to complete their degree within 4 years. For more information regarding Dual credential completion, contact the Program Chairperson dsheets@tru.ca.

Promotion Policy

An overall grade of C and a minimum mark of 50% on the final course/lab exam is required for a passing grade in each Respiratory course, PHYS 1580 and BIOL 1590/1690. Marks below those mentioned above are considered a failure. A student must successfully complete all courses in order to continue on to the next semester.

Students may be allowed to continue in the program if the student is granted academic probation. Academic probation applies to the student who attains a grade of C- in any one RESP or science course during a semester, but has a passing grade in all other courses in that semester. If a student fails to meet the pass mark in two or more courses during one semester they will fail, and be withdrawn from the program. Academic probation will not be granted two semesters in a row. If a student fails a course while on academic probation, they will not be granted probation and will be removed from the program.

Graduation from the Respiratory Therapy Program requires that the student acquire an overall grade point average of 2.17. The graduate will receive a diploma in Respiratory Therapy. The diploma does not qualify the student to undertake employment as a registered respiratory therapist, but designates the student as a graduate therapist who is eligible to write the board examination.

The Respiratory Therapy Program is academically rigorous with a heavier than average course load in all semesters. In order to be

successful in the program, students must be willing to dedicate a significant amount of time to their studies.

Failures and Repeats

Failing or withdrawing students should recognize that there is no guarantee of the opportunity to repeat courses. First time, full-time students are accepted first, and if space permits, repeating students may be re-accepted.

A student who fails a course(s) will be required to repeat the course(s) within one calendar year. A failed course can only be repeated in the semester in which it is offered in the following year. The laboratory component of the failed course must also be repeated and lab marks will be integrated within the course. Students must re-register for the course(s) and pay the appropriate fees for any repeated courses.

A student who has previously failed a health-related program and who subsequently applies for admission to the same program or to another health-related program will be regarded as a repeating student, unless he/she can show cause for being treated as a new student.

Students re-entering the program may be required to challenge certain portions of courses in which they previously received credit so that currency of practical skills can be assessed. All students re-entering the program are reminded that they are subject to program completion-time requirements.

A student who receives a failing grade in a course or fails to meet objectives related to professional responsibility, professional accountability or patient safety may be refused re-admission to the program (or another health-related program) at the recommendation of the Program Chairperson and the approval of the Divisional Dean.

Clinical Year (3rd year of the diploma and 4th year of the dual credential)

The clinical year is designed to allow the student to gain practical experience in all aspects of Respiratory Therapy. Upon completion of:

- Level 1 - June to November - the student will be expected to meet certain predetermined objectives in all rotations
- Level 2 - December to April - will be a further mastery of these same objectives.

The year can be divided into three main areas of practice:

1. Diagnostics, which will include blood gas analysis, pulmonary function, electrocardiography, stress testing, bronchoscopy.
2. Therapy, which will include medical surgical rotation, pediatrics and nursery, and Respiratory Therapy Department.
3. Critical Care, which will include adult and neonatal intensive care, operating room and anesthesia, and coronary care.

Students must pass the theory course with an overall grade of 60% or better and a minimum mark of 50% on the final exam. Students may be allowed to continue on a probationary basis if the student is granted academic probation.

The student will work the equivalent of 150 hours each month, and may be assigned shift work. Clinical training involves rotation between the accredited hospitals, and these rotations may be either:

1. Interior - Vancouver or Vancouver - Interior
2. Vancouver – Vancouver
3. Vancouver – Victoria or Victoria – Vancouver

Year 3		
RTCL 3040	Neonatal and Paediatrics Clinical	7 weeks
RTCL 3110	Level 1 Clinical Rotation	22 weeks
RTCL 3120	Level 2 Clinical Rotation	17 weeks
RTCL 3040	Clinical Theory: Neonatal and Pediatrics	7 weeks
RTCT 3110	Respiratory Therapy Clinical Theory (Level 1)	June - November
RTCT 3120	Respiratory Therapy Clinical Theory (Level 2)	December - April

Program Contact

Program Chairperson
250.828.5465

Academic Coordinator
250.828.5479

Clinical Coordinator
250.828.5437

Pre-Chiropractic Studies: Suggested Program

Overview

The Canadian Memorial Chiropractic College is located in Toronto, Ontario and offers a four-year program leading to the professional credential of DC (Doctor of Chiropractic). Candidates seeking admission must have completed at least three full years (90 credits) of university level courses and have a cumulative GPA of 3.00 to 3.30. Although not required, it is recommended that applicants have completed 6 credits of courses with labs in each of organic chemistry and biology, 3 credits in introductory psychology and 9 units in humanities or social sciences.

Admission evaluation is based on a scoring system which is derived from the following: academic assessment, interview, essay and autobiographical submission. Pre-Chiropractic students are advised to visit the Canadian Memorial Chiropractic College website (http://www.cmcc.ca) for further information and to verify admission requirements.

Suggested Courses

Year 1
BIOL 1110/1210
CHEM 1500/1510 or 1500/1520
ENGL 1100 and one of ENGL 1110, 1120, 1140 or 1210
MATH 1140/1240 or 1150/1250
PHYS 1100/1200 or 1150/1250
Second Year
CHEM 2120
COMP 3 credits
BIOL 2300
PSYC 1110
Electives (18 credits – see recommended courses)

Third Year
Electives (30 credits – see recommended courses)

Recommended Elective Credits:

Year 2	**Year 3**
BIOL 2130/2340	BIOL 3130
BIOL 2160	BIOL 3540
CHEM 2220	BIOL 3550
3 credits of Humanities or Social Sciences	BIOL 3000

Pre-Dentistry Studies: Suggested Program

Overview

Students hoping to gain admission to the Doctor of Dental Medicine (DMD) program at UBC must have completed at least three full years of post-secondary courses, all of which may be taken at TRU. In addition, they must achieve a minimum overall grade point average of 70% (2.8) for ALL college/university work (including failed courses).

Because admission to Dentistry is extremely competitive, it is recommended that students choose courses that will lead to a bachelor's degree in Science as an alternative career goal.

Pre-Dental students are advised to consult the UBC Faculty of Dentistry website (www.dentistry.ubc.ca). Further information on pre-dental study, including advice on the appropriate choice of electives and transfer to universities other than UBC, may be obtained from the Chairperson.

Suggested Courses

Year 1
BIOL 1110/1210
CHEM 1500/1510 or 1500/1520
ENGL 1100 and one of ENGL 1110, 1120, 1140 or 1210
MATH 1140/1240 or 1150/1250
PHYS 1100/1200 or 1150/1250[1]
Year 2
BIOL 2130/2340
CHEM 2120/2220
COMP 3 credits
BIOL 2300
Electives (12 credits)
Year 3
BIOL 3130/3230*
Electives (24 credits)

[1] PHYS 1100/1020 is not accepted at all institutions. Students are strongly advised to check with the institution to which they plan to apply.

*Note: Registration in any upper level science course must be approved by the BSc Advisor.

Pre-Medicine Studies: Suggested Program

Overview

Pre-Medical students are advised to consult the UBC Faculty of Medicine website (www.med.ubc.ca) and the on-line transfer guide (www.bctransferguide.ca). Further information on pre-medical study, including advice on the appropriate choice of electives and transfer to universities other than UBC, may be obtained from the Chairperson.

Courses in behavioural sciences, genetics and physics, biometrics and statistics are strongly recommended for all applicants.

No particular degree program is considered ideal as preparation for the study and practice of medicine. Candidates for admission must have completed at least three full years of university level courses, all of which may be taken at TRU. The minimum academic standing required for admission is 70% based on all university-level courses attempted.

Suggested Courses

Year 1
BIOL 1110/1210
CHEM 1500/1510 or 1500/1520
ENGL (two of 1100, 1110, 1120, 1140, 1210) (ENGL 1100 recommended)
MATH 1140/1240 or 1150/1250
PHYS 1100/1200 or 1150/1250[1]
Year 2
BIOL 2130/2340
CHEM 2120/2220
COMP 3 credits
BIOL 2300
Electives (12 credits; BIOL 2160 and CHEM 2150/2250 recommended.)
Year 3
BIOL 3130/ 3230*
Electives (24 credits.)
*Note that registration in any upper level science course must be approved by the B.Sc. Advisor.
Note: other universities may have different prerequisites; for example the University of Alberta has Physics 1150/1250 as a prerequisite.

[1] PHYS 1100/1200 is not accepted at all institutions. Students are strongly advised to check with the institution to which they plan to apply.

Pre-Naturopathic Medicine: Suggested Program

Overview

The Canadian College of Naturopathic Medicine is located in the North York region of Toronto Ontario and offers a four-year, full-time professional program in naturopathic medicine. Graduates receive a Doctor of Naturopathic Medicine (ND) diploma. Applicants must have completed a minimum of three years (90 credits) toward a baccalaureate degree. A cumulative grade point average of 75% is recommended to be competitive. Candidates are evaluated on their academic history a well as their motivation for becoming a naturopathic doctor, leadership skills, problem solving and critical-thinking skills, and specific personal qualities and characteristics.

Suggested Courses

Students should consult the website of the Canadian College of Naturopathic Medicine, www.ccnm.edu, to verify admission requirements.

Year 1
BIOL 1110/1210
CHEM 1500/1510 or 1500/1520
ENGL 1100 and one of ENGL 1110, 1120, 1140 or 1210
MATH 1140/1240 or 1150/1250
PHYS 1100/1200 or 1150/1250
Year 2
BIOL 2130
CHEM 2120
COMP 3 credits
BIOL 2300
Electives (12 credits – see recommended courses)
Year 3
BIOL 3130
Electives (27 credits – see recommended courses)

Recommended Elective Credits:
Second Year

Year 2	Year 3
BIOL 1590	BIOL 3000
BIOL 1690	BIOL 3540
BIOL 2340	BIOL 3550
BIOL 2160	
CHEM 2220	
PSYC 1110	
PSYC 1210	

Note: It is recommended that applicants complete courses in some or all of the following areas to prepare for the University curriculum: anatomy, environmental science, genetics, human physiology, microbiology, physics, sociology, statistics, humanities and English composition.

Pre-Optometry Studies: Suggested Program

Overview

The School of Optometry at the University of Waterloo offers a 4-year professional program leading to the Doctor of Optometry (OD) degree. Applications to the program are accepted from candidates who have met the following criteria:

- A minimum overall university science average of 75%
- The science average is the overall average of all courses taken while registered in a faculty of science
- Canadian citizen or legal resident of Canada status held for at least 12 months prior to the registration day of the fall term

Suggested Courses

Pre-Optometry students are strongly advised to consult the University of Waterloo School of Optometry website (www.optometry.uwaterloo.ca) to verify admission requirements.

Year 1
BIOL 1110/1210
CHEM 1500/1510 or 1500/1520
ENGL 1100 and one of ENGL 1110, 1120, 1140 or 1210
MATH 1140/1240 or 1150/1250
PHYS 1100/1200 or 1150/1250
Year 2
BIOL 2160
BIOL 2130/2340
CHEM 2120
COMP 3 credits
CMNS 2290 or 2300
PSYC 1110
STAT 2000
Electives (6 credits – see recommended courses)
Year 3
BIOL 3130
BIOL 3540/3550
PHIL 2010 or 4330 or 4350
Electives (18 credits – see recommended courses)

Recommended Elective Courses:
CHEM 2220

Pre-Pharmaceutical Sciences Studies: Suggested Program

Overview

Students wishing to obtain a B.Sc. (Pharm) degree from the Faculty of Pharmaceutical Sciences at UBC may complete the required pre-pharmacy year at TRU. Those students who achieve an average grade of at least 65% in the courses outlined below, may then apply for admission to UBC, and, if accepted, complete the Bachelor's degree program in four further years.

Requirements

Pre-Pharmacy students should visit UBC Pharmacy BSc program admission requirements (www.calendar.ubc.ca/vancouver) to verify admission requirements.

BIOL 1110/1210
CHEM 1500/1510 or 1500/1520
CHEM 2120/2220
ENGL (two of 1100, 1110, 1120, 1140, 1210)
MATH 1140/1240 or 1150/1250
PHYS 1150 OR one full year of First Year Physics with a lab

Pre-Rehabilitation Sciences Studies: Suggested Program

General Information

The School of Rehabilitation Sciences within the Faculty of Medicine at UBC no longer offers the Degrees of Bachelor of Science in Occupational Therapy, BSc (O.T.) and Bachelor of Science in Physical Therapy, BSc (P.T.). Instead, they are offering Master of Occupational Therapy (MOT) and Master of Physical Therapy (MPT) degrees.

Students wishing to qualify for Rehabilitation Sciences at UBC are strongly advised to visit the UBC website to verify admission requirements. Students must have a minimum academic standing of B+ calculated on their upper level courses. Advice may also be obtained from the Chairperson.

Suggested Courses

Students should contact UBC to verify admission requirements for the MOT and MPT.

Recommended courses for entry to the MOT:

BIOL 1110/1210
ENGL (one of 1100, 1110, 1120, 1140, 1210) (ENGL 1100 recommended)
STAT 2000
PSYC 1110/1210 (3 to 6 credits at the 1000 or 2000 level)
SOCI 1110/1210

Note: CHEM 1500/1510 or CHEM 1500/1520 are strongly recommended.

Recommended courses for entry to the MPT:

BIOL 1110/1210
BIOL 1590/1690
CHEM 1500/1510 or 1500/1520
ENGL (two of 1100, 1110, 1120, 1140, 1210) (ENGL 1100 recommended)
STAT 2000
PSYC 1110/1210 (3 to 6 credits at the 1000 or 2000 level)
PHYS 1100 or 1150
BIOL 3540/3550

Pre-Veterinary Medicine: Suggested Program

Overview

The Western College of Veterinary Medicine (WCVM) at the University of Saskatchewan (Saskatoon) was established to serve the four western provinces. Admission to WCVM requires at least two full years of post-secondary science courses. Because of the intense competition for entry to the veterinary program, potential students are advised to undertake a program of post-secondary study which will lead to an alternative career goal, should they fail to gain admission to veterinary medicine. Applicants must have a minimum cumulative average of 70% in order to be considered for admission into the veterinary program. All grades are converted to a common scale for comparative purposes and this converted average will be used.

The Western College of Veterinary Medicine has introduced an Educational Equity Program for Aboriginal students. In this program, a defined number of seats have been allocated for self-identified applicants of Aboriginal descent. For the purpose of admission, the documents that are accepted as proof of Aboriginal ancestry are listed in The University of Saskatchewan Calendar. Visit www.usask.ca/wcvm for details.

Students whose alternative career goal is a bachelor's degree in science may complete all of their courses at TRU and then apply for admission to WCVM.

Suggested Program

Visit the Western College of Veterinary Medicine at www.usask.ca/wcvm to verify admission requirements.

Year 1
BIOL 1110/1210
CHEM 1500/1510 or 1500/1520
ENGL (two of 1100, 1110, 1120, 1140, 1210)
MATH 1140/1240 or 1150/1250
PHYS 1150/1250
Year 2
BIOL 2160
BIOL 2130/2340
CHEM 2120/2220
COMP 3 credits
BIOL 2300
Electives (6 credits)
Year 3
BIOL 3130/3230*
BIOL 3350*
Electives (21 credits)
*Note that registration in any upper level science course must be approved by the B.Sc. Advisor.

The minimum course requirement for admission to the Western College of Veterinary Medicine is the completion of 60 University credits. However, since biochemistry is offered only in third year, it will normally take longer than the minimum time to meet all requirements

Faculty of Student Development

Co-operative Education

The TRU Career Education Department (CED) is dedicated to supporting current students and alumni through our Co-operative Education and Student Employment programs. The Co-operative Education program allows students to integrate academic studies with 3 elective credit co-op courses (work terms) that offer paid periods of relevant experience in industry, business, and government. Students alternate between periods of on-campus, full-time study, and work terms, which are full-time, paid employment.

Co-operative Education Coordinators serve as the link between students, employers and the academic programs students are enrolled in. Coordinators work with students on all aspects of individual career planning. Coordinators seek out appropriate employment opportunities and ensure that Co-op opportunities are related as closely as possible to a student's area of study. In addition, Coordinators arrange interviews and finalize Co-op placements. Work term positions and the Co-op student's progress are assessed through on-site visits.

Program Options

TRU offers Co-op options in the following programs:

Bachelor of Arts
Bachelor of Interdisciplinary Studies
Bachelor of Business Administration
Bachelor of Natural Resource Science
Bachelor of Science
Bachelor of Computing Science
Bachelor of Science - Computing Science Major
Bachelor of Tourism Management
Computer Systems: Operations and Management

Admission Requirements

Admission and application requirements vary between programs. Please refer to the specific program section of the calendar for detailed information. Co-op work term courses are worth 3 elective credits' depending on the program. Allowable graduating credit varies between programs.

Bachelor of Arts
Students must have a cumulative GPA of 2.67 to enter the BA Co-op option. Students must have completed 48 credits prior to the first work term and maintain a cumulative GPA of 2.67 throughout the program.

Bachelor of Interdisciplinary Studies
Students must have a cumulative GPA of 2.67 to enter the BIS Co-op option and must maintain a cumulative GPA of 2.67 throughout the program. Students must have completed 60 credits before beginning Work Term 1.

Bachelor of Business Administration
Students must have a cumulative GPA of 2.67 to enter the BBA Co-op option and must maintain a cumulative GPA of 2.67 throughout the program, including electives. Normally applications are accepted from 2nd year BBA students who have completed or are enrolled in the following courses prior to their first Co-op work term: ECON 1900, ECON 1950, MIST 2610, ACCT 2210, ACCT 2250 and ECON 2320. Acceptance is conditional upon transcript review. Preference will be given to full-time students with a background in general business, students with strong written communication skills and students who can show evidence of computer literacy.

Bachelor of Natural Resource Science
Students must complete all registered first year courses, have a cumulative GPA of 2.33 to enter the NRS Co-op Option and must maintain a cumulative GPA of 2.33 to remain eligible for Co-op. Applications are accepted from first year BNRS students; high school transcripts must be submitted from first year applicants.

Bachelor of Tourism Management
Students must complete a minimum of 30 first year credits with a cumulative GPA of 2.33 to enter the BTM Co-op option and must maintain a cumulative GPA of 2.33 throughout the program.

Bachelor of Science, Biology Major
Students must have completed first year and will have completed three of BIOL 2160, BIOL 2170, BIOL 2280, BIOL 2290, before the first work term. Students must have a cumulative GPA of 2.33 to enter the BSc Biology Co-op option and must maintain a cumulative GPA of 2.33 to remain eligible for Co-op.

Bachelor of Science, Chemistry/Environmental Chemistry Major
Students must have completed first year and CHEM 1500/1510 or CHEM 1500/1520, and anticipate completing CHEM 2120/2220 and CHEM 2100/2250 prior to the first work term. A minimum cumulative GPA of 2.33 is required, and must be maintained throughout the Co-op program. For students applying to Co-op in third year, CHEM 3100 and CHEM 3120 or CHEM 3170 must be completed prior to the first work term, and at least *one* of the following: CHEM 3060, 3070, and 3080, or CHEM 3220, 3230 and 3240, or CHEM 3310, 3320, 3330 A minimum cumulative GPA of 2.33 is required and must be maintained throughout the program.

Bachelor of Science, Computing Science
Students must have maintained a term and cumulative GPA of 2.33 in all BSc courses and complete COMP 2130 and 2230 prior to their first work term.

Bachelor of Science, Math
Students must have a cumulative GPA of 2.67 to enter the BSc Math Co-op Option and must maintain a cumulative GPA of 2.67 throughout

the Co-op option. Students must have completed a minimum of 48 credits before beginning Work Term 1.

Bachelor of Science, Physics Major
Applications will be accepted from 2nd and 3rd year Physics students who have completed or anticipate completing the following courses with a minimum cumulative 2.33 GPA prior to the first work term: PHYS 1100/1200 or 1150/1250, PHYS 2000, PHYS 2200, PHYS 2250, MATH 2110, MATH 2120, MATH 3170. As well, students must complete the following courses with a minimum cumulative 2.33 GPA prior to the first January work term in third year: PHYS 3200, PHYS 3250,and PHYS 3400; OR , PHYS 3090, PHYS 3140 and PHYS 3160. Completion of COMP 1130 or COMP 1520 is highly recommended. A minimum cumulative GPA of 2.33 must be maintained throughout the Co-op program. Preference will be given to students with a demonstrated background in computers and electronics.

Bachelor of Computing Science
Students must have maintained a term and cumulative GPA of 2.33 in all BCS courses. Students must have completed CSOM and all BCS entrance requirements or completed at least one semester of BCS.

Computing Science Diploma
Students must obtain and maintain a cumulative GPA of 2.33 and complete all required courses before the first work term.

Application Process

Applications may be made online or downloaded from:
www.tru.ca/careereducation/coop

Applications must include:

1. A letter of application (400 words maximum) which outlines:
   - Career goals, learning objectives and how a Co-op work term will further your career
   - Experience, both volunteer and paid
   - Background relevant to your program area (e.g. business, geography, geology, etc.)
   - Commitment to completing the Co-op program, if accepted
2. A current resume including the names of three references.
3. Transcripts from TRU and other post-secondary institutions. First year BNRS students must also submit a copy of their high school transcript.
4. Copies of any other supporting documentation relevant to the application (e.g. letters of reference, awards, scholarship letters, etc.).

For more information, contact the Career Education Department at 250.371.5627 or careereducation@tru.ca

Program Requirements

Co-op 1000 Career Development Pre-requisite Course
Prior to their first work term, all Co-operative Education students participate in a mandatory 13 week one credit (additive) course on career development. Co-op coordinators instruct students on the fundamentals of developing and managing their careers for success in their work terms and after graduation.

Co-operative Education Work Terms
Many Co-op positions are located outside Kamloops. Students are placed in the Lower Mainland, throughout BC, and across Canada. The more flexible students are in terms of work term location, the greater the opportunities available to them.

Students compete for positions the Co-op Department has identified or find suitable positions on their own. The Co-op Department must approve positions students have found on their own before they can be considered as a Co-op work term position. Work terms are paid, full-time employment. Students generally work 35 hours per week, subject to workplace requirements. The minimum length of a work term is 12 weeks. The maximum number of consecutive work terms a student can participate in before returning to full-time studies is three work terms, or 12 months.

The maximum number of non-consecutive work terms permitted in a diploma program is four. The maximum number of non-consecutive work terms permitted in a degree program is five. As the number of Co-op Education elective credits which are recognized toward graduation requirements varies between programs, students are advised to consult their program advisor before undertaking work terms.

Note: The final semester of a student's program must be a full-time academic semester, not a work term.

Regulations
Submission of a signed Co-op application form is a student's commitment to comply with the procedures and requirements of the Co-op program as outlined in the calendar and the Co-op Student Handbook.

1. Admission to the Co-op program is competitive. To be eligible for a Co-op program, students must be enrolled in full-time studies (minimum 9 credits) in on-campus TRU courses. Open Learning students are not eligible for the Co-op program.
2. Students alternate between periods of full-time study and full-time employment.
3. All students accepted into Co-operative Education must complete Co-op 1000 prior to their first work term.
4. The Co-operation Education Coordinator(s) make every reasonable effort to make suitable program-related positions available to students who have been accepted into the Co-op program. However, work term placements

are not guaranteed. Students are responsible for conducting an active search for work term positions and for maintaining close contact with their Co-op Coordinator. Students are expected to check daily for new job postings, interview schedules and notices from the Co-op Office.

5. Students are expected to accept a job offer once it has been extended. Students wanting to withdraw from a Co-op competition must do so by contacting their Co-op coordinator no later than immediately following the interview with the employer.
6. Job offers must be accepted or rejected within 24 hours.
7. To successfully complete a work term, students must complete all course assignments. Evaluation components vary between programs but generally include: a) completion of the term of employment; b) a "satisfactory" evaluation from the employer; c) submission of a satisfactory work term report.
8. In order to maintain eligibility for future work terms students must submit a completed Work Term Notification Form upon returning from each work term.
9. The final semester of a student's program must be a TRU full-time on-campus academic semester, not a work term.
10. There is a one-time admission and withdrawal policy for Co-op programs. When a student withdraws from Co-op or a work term they cannot apply for re-admission to Co-op at a later date.
11. Co-op tuition will apply to all Co-op positions secured with assistance from the Co-op office including: back-to-back work terms with the same employer, subsequent extensions with the same employer, students returning to the same employers, and students who secure their own co-op work term(s).
12. International students must complete a minimum of two full-time, academic, on-campus TRU semesters, prior to their first work term.

Program Contact

250.371.5627
careereducation@tru.ca
www.tru.ca/careereducation

School of Trades and Technology

Trades and Technology training at TRU is designed to operate in a similar structure as what the student can expect from the employer in the workplace. The program revolves around a rigorous schedule of start times and attendance requirements. Students who miss more than three days of training without prior approval from their instructor may be asked to withdraw from the program.

Automotive Service Technician Programs

Training Options

The School of Trades and Technology offers three training options for Automotive Service Technician training:

- Foundation Training: Entry-level training for those with minimal or no experience in this area of study
- Apprenticeship Training: Advanced training for registered apprentices
- Continuing Studies: General interest and upgrading for individual needs

Overview of Trade

Certified Automotive Service Technicians are involved in inspecting, maintaining and repairing automobiles and light trucks that run on gasoline, diesel, electricity, hybrid, or alternative fuels such as ethanol. The increasing sophistication of automobiles and trucks requires technicians who can use computerized shop equipment and work with electronic components while maintaining their skills with traditional hand tools.

Foundation Program

The Foundation program is designed to give students with little or no experience in the automotive field the necessary skills for employment as an apprentice mechanic in the Automotive Service Technician trade. General shop practice, automotive fundamentals, engines, basic test equipment, electrical systems, drive axles, steering systems and braking systems, suspension, use of hand tools, applied mathematics and safety education will be covered.

Upon successful completion of this program, students will receive credit and OJT hours as per ITA policy for this program. Please visit the ITA website for credits and hours achieved at www.itabc.ca

The Automotive Service Technician 1 is usually involved in:

- Following a checklist to ensure important parts are examined, including belts, hoses, steering systems, spark plugs, brake and fuel systems, wheel bearings, wheels and suspension systems.
- Performing routine and scheduled maintenance such as oil changes and lubrications.
- Preparation and safe operation of Oxy/acetylene and Gas Metal Arc Welding (MIG) functions.
- Repairing, relining, replacing and adjusting brakes.
- Repair and/or rebuild steering and suspension systems and perform wheel alignments.
- Following procedures for basic scan tool use and electronic diagnosis.
- Conferring with customers to obtain descriptions of vehicle problems, and to discuss work to be performed and future repair requirements.

Learning Options

The Automotive Service Technician Foundation program is a full-time, 30-week program.

Program Start Dates

Kamloops campus: September

Hands-On

Strong emphasis is placed on practical training with numerous hands-on projects. Graduates should be able to develop the skills necessary to be hired on as an immediately productive employee—reducing the need for employers to invest further time and resources into training a new apprenticeship candidate.

Required Equipment

Students must supply their own safety boots, safety glasses, welding gloves, welding hat/cap, and coveralls. Students are responsible for laundering their own coveralls.

Admission Requirements

Educational

- Placement on the Entry Assessment Test (Accuplacer) for English at an 0400 level and for Math at an 0400 level. (0400 is considered equivalent to BC Grade 10 and 0600 equivalent to Grade 12 for this purpose)

Contact the TRU Assessment Centre at 250-828-5470 for more information on the Accuplacer and for testing times and locations.

There is a charge to write the test and also for any rewrites (if required). Out of town testing is available.

General

- Proof of Canadian citizenship or, for those born outside Canada, proof of Permanent Resident status
- International Students: Contact International Admissions at 250.828.5252

Recommended

- Grade 12 or equivalent including English 12, Math 11, Physics 11 or Science and Technology 11 is recommended but not mandatory
- Mechanical aptitude

For more detailed admission information visit www.tru.ca/trades/apprenticeship/Automotive

Apprenticeship Program

Must be an apprentice registered within a provincial apprenticeship system. An apprenticeship identification number is required.

The Automotive Service Technician (AST) training program consists of four distinct progressive programs resulting in credentials for each level. (Certificate of Qualification) - Automotive Service Technician 1, Automotive Service Technician 2, Automotive Service Technician 3, and Automotive Service Technician 4.The Automotive Service Technician trade is a Red Seal trade, with the Red Seal endorsement being granted upon successful completion of the Automotive Service Technician 4 program. Visit the Industry Training Authority site, www.itabc.ca, for more information on apprenticeship.

Start Dates
Annually: Beginning of April

Current class schedules can be viewed at www.tru.ca/trades/apprenticeship.

Program Contact

Mechanical Trades Chairperson
250.828.5130

Automotive Service Instructor
250.828.5122

Apprenticeship Programs Admissions
250.371.5659
Toll-free 1.866.371.5659

Carpentry Trades Programs

Training Options

The School of Trades and Technology offers three training options for carpenters:

- Foundation Training: Entry-level training for those with minimal or no experience
- Apprenticeship Training: Advanced training for registered apprentices
- Continuing Studies: General interest and upgrading for individual needs

Overview of Trade

Carpenters build and repair a vast array of structures using wood, concrete, metal, and other building materials. Carpenters may work for construction companies, general contractors, maintenance departments, or even be self-employed. Carpentry is a designated trade under the Inter-Provincial Red Seal Program. When an individual gains the required on-the-job hours combined with in-school technical training, he or she may obtain journeyperson status.

Carpentry is the largest of all the trades in the building industry. It's a trade in which a great deal of self-satisfaction and pride is associated with the work. Carpenters need to know how to use and maintain many types of hand and power tools, and must also understand the types and characteristics of the various materials and fasteners with which they work. Carpenters must be able to read blueprints and specifications for a particular project.

Carpentry includes the layout of excavations and building lines. Carpenters may assemble concrete formwork and place the concrete. Carpentry also involves: the installation of floor beams, joists and sub-flooring; the construction of walls, stairs, and roof systems; and the installation of windows, doors, exterior siding, wall and ceiling coverings, cabinets, and trim.

A carpenter may specialize in four basic categories within the trade: Formwork, Framing, Interior Finish, and Exterior Finish. In general, construction is balanced between the residential and commercial industries, and a carpenter may choose in which sector to work.

Visit the Industry Training Authority site at www.itabc.ca to view the Carpentry Trades Apprenticeship and Program profile.

Foundation Program

The Carpentry Foundation program is an introduction to the carpentry trade. Students gain familiarity with the use of hand tools, portable

power tools and other equipment regularly used by carpenters. Students also have ample opportunities to work with the materials used by carpenters including lumber, panel products, concrete, roofing materials, fasteners, and a wide variety of hardware. Theory and practice is offered to allow students to build numerous projects including stairs, forms for concrete, framed floors, walls, and roofs.

Content includes:

- Carpentry career exploration
- Construction Math
- Safe work practices
- Drawings and specifications
- Materials identification
- Hand tools
- Portable power tools
- Stationary tools
- Survey instruments
- Concrete form work
- Residential house framing
- Introduction to windows and doors
- Introduction to residential building renovations
- Building science
- Shop skills
- Work experience

Learning Options

The TRU Carpentry Foundation Program is a full-time, 24 week program and gives graduates credit for Level 1 Carpentry Apprenticeship Technical Training.

The TRU Residential Construction Program is a 30-week program and qualifies for Level 1 and Level 2 Carpentry Apprenticeship Technical Training credit upon successful completion.

Start Dates

24-week program: January or February
30-week program: July

Hands-On

Students engage in extensive practical exercises to develop job readiness skills, spending approximately 70% of their time building various projects. For the 30-week Residential Construction program, the major project is a house built in the community.

Real World

Trades and Technology training at TRU is designed to have the same structure as the real world of employment, with a rigorous schedule of start times and attendance requirements. Students who miss more than three days of training without prior approval may be asked to withdraw from the program.

Admission Requirements

Educational

Satisfactory achievement on the Entry Assessment Test (Accuplacer):

1. English at an 0500 level
2. Math at an 0500 level
   (0500 is considered equivalent to BC Grade 11 for this purpose)

General

- Proof of Canadian citizenship or, for those born outside Canada, proof of Permanent Resident status.
- International Students: Contact International Admissions at 250-828-5252

Recommended

- Grade 10; Grade 12 is preferred.
- Good physical health and agility

Required Equipment

Students are required to supply their own approved safety glasses, safety boots, gloves, and hard hat. Students will be provided with an extensive equipment list at time of registration in the program. Students must purchase required equipment by the first week of class.

Apprenticeship Program

Must be an apprentice registered within a provincial apprenticeship system. An apprenticeship identification number is required.

TRU offers training for Carpentry Apprenticeship technical training for Levels 1, 2, 3, and 4.

It generally takes four years to complete an apprenticeship, which includes all four levels of technical training and completion of the required 6480 work-based training hours needed to achieve Industry Training Authority certification as a carpenter.

Start Dates

Classes are offered throughout the year. Current class schedules can be viewed at www.tru.ca/trades/apprenticeship.

Program Contact

Construction Trades Chairperson
250.828.5113

Residential Construction Program Instructor
250.371.5663

Apprenticeship Program Admissions
250.371.5659
Toll-free 1.866.371.5659

Certificate in Water and Wastewater Utilities

A two-term (nine month) Certificate in Water and Wastewater Utilities. This program ladders into the Water Treatment Technology Diploma Program.

Learning Options

Program Dates and Times

Term 1 - mid-August to mid-December
Term 2 - early January to early May

Class times are 8:30 am to 3:30 pm Monday through Friday, with two 15 minutes breaks and a half-hour lunch break.

Location

TRU Water Education and Research Centre located at Kamloops Centre for Water Quality, 111-1315 River Street, Kamloops, BC.

Program Content

This Certificate is an entry-level training and education program in the operation and maintenance of Water and Wastewater Treatment, Distribution and Collection systems.

Admission Requirements

Educational

1. Grade 12 graduation or equivalent, or mature student status
2. Math 11, or TRU Math 0500 and 0510 or equivalent. It is recommended that applicants have Foundations of Math 11.
3. Chemistry 11 and Biology 11 are recommended.

Required Documentation:

- Official transcripts of previous secondary and post-secondary education
- Proof of Canadian citizenship or Permanent Resident (Landed Immigrant) status

For detailed admission requirements please contact Trades Admissions mailto:admissions_trades@tru.ca

Program Requirements

To graduate, students must successfully complete 12 courses, 6 per term, for a total of 36 credits.

Term 1 – August to December	
WTTP 1700	Water Sources
WTTP 1710	Water Treatment I
WTTP 1720	Applied Math and Science
WTTP 1730	Mechanical Systems I
WTTP 1740	Environmental, Safety and Communications
WTTP 1760	Introduction to Wastewater
Term 2 - January to May	
WTTP 1800	Electrical Fundamentals I
WTTP 1820	Instrumentation I
WTTP 1830	Mechanical Systems II
WTTP 1850	Water treatment II
WTTP 1860	Wastewater Utility I
WTTP 1870	Wastewater Utility II

Program Contact

Water Education Programs
250.371.5955

Truck and Transport Mechanic (Commercial Transport Vehicle Mechanic) Program

Training Options

The TRU School of Trades and Technology has three training options for Commercial Transport Vehicle Mechanic:

- Foundation Training: Entry-level training for those with minimal or no experience
- Apprenticeship Training: Advanced training for provincially registered apprentices
- Continuing Studies: General interest and upgrading for individual needs

Overview of Trade

Commercial Transport Vehicle Mechanics maintain, rebuild, overhaul, recondition, complete diagnostic troubleshooting and repair a wide variety of motorized commercial truck, bus and road transport equipment. They work for commercial transport vehicle dealers, garages, mines and transportation companies. A Commercial Transport Vehicle Mechanic is designated as a Truck and Transport Mechanic under the Inter-provincial Red Seal program.

This program is under review by the Transportation Career Development Association (TCDA) in consultation with ITA. For more information, please contact TCDA at info@tcda.ca

There are significant changes to this program to meet ITA standards. Notification for changes will be made available on the School of Trades and Technology Web site at www.tru.ca/trades

Foundation Program

The Heavy Mechanic Foundation program covers the material of both the Heavy Duty Equipment Technician and Commercial Transport Vehicle Mechanic foundation programs, and students receive a dual certificate upon completion. The program prepares graduates to enter an Apprenticeship training program and is the pre-requisite for completing an apprenticeship in the following Red Seal trades:

- Heavy Duty Equipment Technician
- Transport Trailer Technician (Commercial Trailer Mechanic)
- Truck and Transport Mechanic (Commercial Transport Vehicle Mechanic)
- Diesel Engine Mechanic

The program covers all aspects of inspection, basic repair and maintenance of heavy equipment including tractors, loaders, bulldozers, graders and excavators, and the inspection and repair of transportation equipment, including commercial trucks and buses.

Program Content

- Safe Work Practices
- Electrical and Electronic Systems
- Hydraulic Systems
- Transmissions: Standard, Automatic, and Power shift
- Winches and Working Attachments
- Wheel Machine - Differentials, Final Drives, Tires and Wheels
- Diesel Engines: Theory
- Steering, Braking and Suspension Systems
- Diesel Engines: Basic Fuel Systems
- Track-type Undercarriage and Final Drives

There are significant changes to this program to meet ITA standards. Notification for changes will be made available on the School of Trades and Technology Web site at www.tru.ca/trades

Learning Options

This is a full-time, 36-week program, offered on campus at TRU in Kamloops and Williams Lake.

Program Start Dates

Fall: Late August
Winter: February (please review TRU web-site for additional classes and start dates.

Hands-On

In addition to daily classroom studies, a strong emphasis is placed on practical training with numerous “hands-on” projects involving the repair and replacement of worn and damaged mechanical, hydraulic and electrical parts. Graduates will have the skills to be hired on as an immediately productive employee- reducing the need for employers to invest extensive time and resources into training a new apprenticeship candidate with no experience.

Employment and Careers

Personal benefits as well as monetary rewards make this trade a lucrative vocation. Journeyperson Commercial Transport Vehicle Mechanics are in great demand, and the employment opportunities are unlimited across a wide range of industries, including:

- Mining, forestry, and farming
- Construction, transport, and materials handling
- Road building, landscaping, and land clearing
- Oil and Gas sector

Required Equipment

Students are required to supply their own safety boots and glasses, three pairs of “hi-vis” coveralls (100% cotton), welding gloves and welding cap. Students are also responsible for the cost of laundering their own coveralls.

Application Process and Admission Requirements

Applications are accepted at any time during the year. Students are encouraged to submit the Application for Admission form as soon as possible. The minimum documentation required by Admissions to start the application process includes:

- A completed Application for Admission form. Applications are available at tru.ca/admissions/apply.
- The application fee

Seats in Foundation programs are allocated on a first come/first served basis, using the date by which students meet the following entrance requirements: submit a completed application form, pay the TRU application fee and successful achievement on the entry assessment test.

Education Requirements

1. Placement on the Entry Assessment Test (Accuplacer) for English and Math at an 0400 level and for Math at an 0400 level (0400 is considered equivalent to BC Grade 10 for this purpose).

Contact the TRU Assessment Centre at 250.828.5470 for more information on the Accuplacer and for testing times and locations. There is a charge to write the test and also for any rewrites (if required). Out of town testing is available.

Recommended

- Grade 10; however, Grade 12 is preferred.
- Mechanical aptitude

General Requirements

- Proof of Canadian citizenship or, for those born outside Canada, proof of Permanent Residence Status.

Re-Application

If you were not accepted OR applied but did not attend last year, you need to submit a NEW application form and contact Admissions to ensure that all required documentation is still on file and complete. Please call Trades Admissions at 250-371-55540 if you have any questions about admission requirements or the application process for Foundation training.

Apprenticeship Program

Apprenticeship training for Heavy Mechanical (Levels 1, 2, and 3) is for individuals currently working in the industry who are indentured into a formal agreement between their employer and a provincial apprenticeship authority. For information on how to become an indentured apprentice, contact the ITABC at www.itabc.ca or 1.866.660.6011.

A fully trained, Journeyperson Heavy Mechanical will have the ability to diagnose electrical, mechanical and hydraulic troubles and make repairs according to the manufacturers' specifications. The work involves the ability to determine the cause of the faulty operation of equipment; and the disassembling and reassembling of engines, transmissions, cooling systems, fuel and exhaust systems, clutches and differentials, using hand and power tools and specialized equipment.

It typically takes four years to complete an apprenticeship, which includes all four levels of technical training and completion of the required 5940 work-based training hours needed to achieve Industry Training Authority certification as a Commercial Transport Mechanic. TRU offers levels 1, 2, and 3 of technical training for the Commercial Transport Vehicle Mechanic Apprenticeship as full-time, 6-week programs. Level 4 is offered as an 8-week, full-time program.

There are significant changes to this program to meet ITA standards. Notification of changes will be announced shortly. Visit our Web site for the most up to date information at www.tru.ca/trades

Program Content

Level 1: Hydraulic Systems; Steering Systems; Hydraulic and Air Brake Systems; Trailer Bodies; Electrical Introduction

Level 2: Standard Transmissions; Torque Converters; Drive Axles; Engine Support Systems; Electricity Applied; Air Conditioning and Refrigeration Introduction

Level 3: Electricity Advanced; Combustion Engine Theory; Carbureted Fuel Systems; Diesel Injection Systems

Level 4: Rebuild Gasoline/Diesel Engines; Electronic Systems; Electronic Diesel Systems; Vehicle Retarders; Air Conditioning and Refrigeration and Commercial Vehicle Inspection Program Certification.

Once students complete their Level 4 technical training, they write the Inter Provincial Red Seal exam. Successful candidates receive their Journeyperson status along with Red Seal Certification.

There are significant changes to this program to meet ITA standards. Notification of changes will be made available on the School of Trades and Technology Web site at www.tru.ca/trades

Start Dates

Classes are offered throughout the year. Current class schedules can be viewed at www.tru.ca/trades/apprenticeship.

Program Contact

Foundation Program Training
Mechanical Trades Chairperson
250.828.5130

Instructor
250.828.5129

Commercial Transport Apprenticeship Training
250.828.5127

Apprentice Program Admissions
250.371.5659
1.866.371.5659

Construction and Industrial Electrician Programs

Training Options

The School of Trades and Technology has three training options for electricians:

- Foundation Training: Entry-level training for those with minimal or no experience
- Apprenticeship Training: Advanced training for registered apprentices
- Continuing Studies: General interest and upgrading for individual needs

Overview

Electricians work in a wide variety of buildings and facilities, on everything from lighting and climate control systems, to

communication equipment and thousands of other specific tools and devices. An electrician is designated as a Construction Electrician under the Inter-provincial Red Seal program. Visit the Industry Training Authority site, www.itabc.ca for information on Apprenticeship and Red Seal listings.

An electrician's work involves assembling, installing, commissioning, testing, maintaining, servicing and operating electrical systems and equipment. The three main settings in which electricians typically work are:

Construction: Electricians work on both residential and commercial construction projects, either as employees who are part of a contractor's team, or as independent contractors.

Industrial: Electricians are typically employed on staff at large-scale industrial facilities such as pulp mills, hydroelectric dams, and mining and smelting operations.

Institutional: Most large institutions such as hospitals, school boards, universities and other public facilities have at least one electrician working as part of their maintenance department.

Electricians need a good understanding of the many applications of electricity, and must ensure that building codes and other safety requirements are followed.

Foundation Program

The Electrical Foundation program covers care and use of hand tools and electrical instruments, installation and maintenance of electrical equipment, electrical theory and calculations, and the Canadian Electrical Code.

Learning Options

The Electrical Foundation program is a full-time, 24-week program.

Program Start Dates

Fall intake: August

Winter intake: January / February

Hands-On

Students engage in extensive practical exercises to develop job readiness skills.

Real World

At TRU, Trades Foundation training is designed to have the same structure as the real world of employment, with a rigorous schedule of start times and attendance requirements. Students who miss more than three days of training without prior approval may be asked to withdraw from the program.

Admission Requirements

Educational

Satisfactory achievement on the Entry Assessment Test (Accuplacer):

1. English 0600 level
2. Math 0600 level
   Note: (0600 is considered equivalent to BC Grade 12 for this purpose)

Contact the TRU Assessment Centre at 250.828.5470 for more information on Accuplacer and for testing times and locations. There is a charge to write the test each time. Out of town testing is available.

General

- Proof of Canadian citizenship or, for those born outside Canada, proof of Permanent Resident status.

Recommended

- Grade 12 or equivalent including English 12, Math 12 and Physics 11
- To enjoy success in the program, students should have an aptitude for math and science as well as strong mechanical aptitude.

Required Equipment

Students are required to supply their own approved safety glasses and boots, as well as additional equipment. Students will be provided with an extensive equipment list at time of registration in the program.

Apprenticeship Program

Applicant must be an apprentice registered within a provincial apprenticeship system. An apprenticeship identification number is required.

TRU offers training for Construction Electrician Apprenticeship in Levels 1, 2, 3, and 4. TRU offers training for Industrial Electrician Apprenticeship in Levels 3 and 4.

It generally takes four years to complete an apprenticeship, which includes all four levels of technical training and completing the required 6000 work-based training hours needed to achieve Industry Training Authority certification as a construction electrician.

See Industry Training Authority www.itabc.ca for more information.

Program Start Dates

Classes are offered throughout the year. Current class schedules can be viewed at www.tru.ca/trades/apprenticeship.

Program Contact

Construction Trades Chairperson
250.828.5113

Apprenticeship Program Admissions
250.371.5659
Toll-free 1.866.371.5659

Horticulture Certificate

A thirty-five week program. Graduates receive a Horticulture Certificate. Program capacity: 28 students.

Learning Options

Full-time Study

Students attend the program on a full-time basis.

On-campus

Courses are offered at the Kamloops campus.

Program Dates

Classes begin in early August of each year and finish in late April.

Program Overview

Horticulture is the culture of vegetables, fruits, herbs, flowers, turf grass, and ornamental plants. The settings for this culture extend from the back yard grower to large commercial operations, such as greenhouses, orchards, vegetable farms, turf grass operations, forestry seedling nurseries, garden centers, golf courses, municipal parks, landscaping, and landscape maintenance firms.

The Horticulture Certificate program provides students with basic training for employment in a variety of areas within the horticulture field. The Horticulture department and its students are actively involved in grounds maintenance and ongoing landscape development at TRU. This is an integral part of the program and the campus grounds serve as an impressive showcase of student work. A three-week practicum at the end of studies allows students to further develop their skills and gain industry experience.

The program includes field trips, guest speakers and a three-week practicum. Instruction includes:

- Landscape maintenance techniques
- Operation of landscape equipment
- Basic pest management
- Landscape design and construction
- Plant identification
- Proper pruning techniques
- Plant propagation methods
- Basic irrigation hydraulics

Hands-On Training

The certificate program is highly practical, with about 60% of class time being spent in hands-on skill development, including roster and greenhouse duties. Facilities include two greenhouses, cold frames, a nursery, the science laboratory, and the entire TRU landscape.

Admission Requirements

Educational Requirements

1. BC Grade 12 or equivalent, or Mature Student Status

General Requirements

- Applicants must attend an orientation session.
- Must provide proof of Canadian citizenship or, for those not born in Canada, Permanent Resident status.

Recommendations

- Applicants should be in good physical condition.
- Applicants should have a strong desire for hands-on work with plant materials.
- Persons with allergies to dust or pollen should be wary of entering the program.
- Applicants should apply early in the year, as space in the program is limited to 28 seats.

Application Process

Applications are accepted at any time during the year. Students are encouraged to submit the Application for Admission form as soon as possible, as space in the program is limited. Related documents may be sent as they are received.

The minimum documentation required by Admissions to start the application process includes:

- A completed Application for Admission form. Applications are available from the Admission website at tru.ca/admissions/apply
- An official transcript of final high school marks from province of completion or an official statement of equivalency
- The application fee

Seats in the program are allocated on a first come/first served basis, using the date by which students meet all requirements: submitting a completed application form; submitting an official transcript of high school marks or an official copy of equivalence; and successful achievement on the assessment test.

Orientation Sessions

Attendance at an orientation session is a prerequisite for entry into the Horticulture program. For details, see the information sheet in the Application for Admission package or call 250-828-5207.

Students who are unable to attend the orientation must contact the coordinator for telephone counselling at 250.828.5181.

Program Requirements

Fall Semester – August to December	
CMNS 1300	Horticulture Communications English I
HORT 1500	Basic Horticulture
HORT 1510	Greenhouse Production
HORT 1520	Diseases and Insect Pests
HORT 1540	Soil Science
HORT 1700	Horticulture Practical 1
Winter Semester - January to April	
CMNS 1310	Horticulture Communications English II
HORT 1600	Weeds
HORT 1610	Nursery Production and Retailing
HORT 1620	Fruit and Vegetable Production
HORT 1630	Landscape Design
HORT 1640	Turf Grass Management
HORT 1800	Horticulture Practical 2
HORT 1900	Horticulture Practicum

Promotion Policy

To enter the winter semester, students must achieve at least 70% in all courses in the fall semester. In order to graduate from the program, students must achieve at least 70% in all courses.

Laddering to the Diploma in Horticulture and Management

Graduates of the Horticulture Certificate program fulfill the admission requirements for the Diploma in Horticulture and Management.

Program Contact

Horticulture Instructor
250.828.5181

Diploma in Horticulture and Management

A one-year program for graduates of the Horticulture Certificate. Graduates receive a diploma in Horticulture and Management.

Learning Options

Full-time Study

Students complete courses on a full-time basis.

On-campus

Courses are offered at the Kamloops campus.

Program Start Dates

Students enter the program in the Fall semester.

Program Overview

This diploma is designed for graduates of a one-year accredited certificate horticulture program. The diploma program allows students to develop the business knowledge and skills required in the horticulture industry at the supervisory or management level. The diploma course will also provide valuable training for persons who operate, or plan to operate, their own horticultural business.

Graduates of this program are eligible to enter the applied degree in horticulture at Olds College at the 3rd year level.

Admission Requirements

Applicants must have a TRU Certificate in Horticulture or equivalent approved by the Chairperson, Construction Trades Programs. All students should have completed communication English courses equivalent to TRU CMNS 1300/1310 as a component of their horticulture certificate.

Program Requirements

Fall Semester	
ACCT 1000	Financial Accounting
MNGT 1430	Introduction to Marketing
MNGT 1710	Introduction to Business
MNGT 2450	Professional Selling
Plus one elective from:	
MNGT 2400	Customer Service Marketing
NRSC 1120	Dendrology 1
Winter Semester	
BBUS 1370	Management Information Systems 1
BBUS 2720	Organizational Behaviour
MNGT 2810	Introduction to Human Resource Management
Plus one elective from:	
MNGT 2480	Marketing Communications
MNGT 2930	Commercial Law
NRSC 1220	Dendrology 2
HORT 2000	Greenhouse Production
BIOL 3240	The Systematics of Flowering Plants

Program Contact

Program Coordinator
250.828.5180

Horticulture Instructor
250.828.5181

Electrician and Industrial Instrumentation Mechanic Program

Learning Options

The Electrician and Industrial Instrumentation Mechanic program is offered as a full-time, 29-week program.

Program Start Dates

Fall intake: August
Winter intake: January/February

Overview

TRU is pleased to offer the province's first ever dual-trade foundation program. Trades persons with technical skills in both electrical and instrumentation are becoming increasingly valuable in meeting the technical challenges of the modern industrial workplace.

An industrial electrician is a skilled individual who possesses fundamental and specialized knowledge and skills related to the installation and maintenance of electrical devices and components found in the industrial setting. Industrial electricians inspect, install, and service electrical equipment such as motors, generators, pumps, lighting systems, communication systems and associated control systems.

The instrumentation mechanic is a person who installs and maintains process monitoring and control instruments required for the automation of industrial processes. The instruments in the industrial environment include indicators, recorders, controllers, transmitters and final control elements using electrical, electronic, pneumatic and hydraulic energy forms.

The successful graduate will be allowed to write both the first year industrial electrical and instrumentation mechanic apprenticeship provincial exams. At that point students will have the option of entering either trade with the future potential of becoming dual ticketed. This program offers the first level of apprenticeship. Subsequent levels may be taken at Northern Lights College in Fort St. John or BCIT in Burnaby. Visit the Industry Training Authority site at www.itabc.ca for more information on apprenticeship programs.

Technical and Hands-on Training

Students engage in daily technical training in a classroom setting. To support the in-class training and to develop job readiness skills, students also engage in extensive practical exercises. Because of the importance of computer controlled systems in the electrical and instrumentation trades, computers and associated software are used extensively in training. The program calls on students to develop strong mechanical aptitude and an understanding of applied science.

Program Content

Developing essential skills in:

- Safe work practices
- The use of tools and equipment
- Computer programs required for the electrical and instrumentation trades
- Applied trade math and science
- Applying circuit concepts
- Using test equipment
- Reading and interpreting drawings and manuals
- Applying Canadian Electrical Code regulations and standards
- Occupational skills for the electrical and instrumentation trades
- Computer aided drafting systems (CAD)

Installing and maintaining:

- Low voltage distribution systems
- Measuring and indicating devices
- Safety and process monitoring systems
- Pneumatic and hydraulic systems
- Electrical and electronic control systems
- Final control elements
- Communications, networking and signal transmission systems
- Process control systems

Developing an understanding of:

- Power principles as applied to hydro, solar and wind power
- Industrial and municipal processes for the mining, lumber, pulp and paper, and water treatment sectors

Admission Requirements

Satisfactory achievement on the Entry Assessment Test (Accuplacer):

1. English at the 0600 level
2. Math at the 0600 level
   (0600 is considered equivalent to BC Grade 12 for this purpose)

Contact the TRU Assessment Centre at 250.828.5470 for more information on Accuplacer and for testing times and locations. There is a charge to write the test each time. Out of town testing is available.

Recommended:

- Grade 12, including English 12/Math 12/Physics 11

- Good manual dexterity
- To enjoy success in the program, students should have an aptitude for math and science as well as strong mechanical aptitude.

Required Equipment

Students are required to supply their own hand tools, approved safety glasses and boots, as well as additional equipment. Students will be provided with a list of required tools once admitted to the program.

Program Contact

Construction Trades Chairperson
250.828.5113

Electrician and Industrial Instrumentation Mechanic Program
250.828.5137

Heavy Duty Mechanic Programs

Training Options

The TRU School of Trades and Technology has three training options for Commercial Transport Vehicle Mechanic tradespeople:

- Foundation Training: Entry-level training for those with minimal or no experience
- Apprenticeship Training: Advanced training for registered apprentices
- Continuing Studies: General interest and upgrading for individual needs

Overview of Trade

Heavy Duty Equipment Mechanics work on industrial and construction vehicles, such as mining trucks and bulldozers; on heavy equipment used in construction, forestry, materials handling, landscaping, and land clearing; as well as on buses and large trucks. Heavy Duty Equipment Mechanic is a nationally designated trade under the Inter-provincial Red Seal program. Visit the Industry Training Authority http://www.itabc.ca to view the Heavy Duty Mechanic apprenticeship and program profile.

Heavy Duty Equipment Mechanics overhaul, repair and service equipment such as graders, loaders, shovels, tractors, trucks, forklifts, drills, and wheeled and tracked vehicles. Working from manufacturers' specifications, they identify and repair problems in structural, mechanical, or hydraulic systems.

Heavy Duty Equipment Mechanics are also responsible for safety-testing repaired equipment, and for cleaning and lubricating equipment. Working conditions range from industrial settings - such as plants and mining and logging sites - to airports and repair yards and shops.

This program is under review by the Transportation Career Development Association (TCDA) in consultation with ITA. For more information, please contact TCDA mailto:info@tcda.ca.

There are significant changes to this program to meet ITA standards. Notification of changes will be made available on the School of Trades and Technology Web site at www.tru.ca/trades

Foundation Program

The TRU Heavy Duty and Commercial Transport Mechanic Foundation program covers the material of both the Heavy Duty Mechanic and Commercial Transport Vehicle Mechanic foundation programs, and students receive a dual certificate upon completion. The program prepares graduates to enter an Apprenticeship training program and is the pre-requisite for completing an apprenticeship in the following Red Seal trades:

- Heavy Duty Equipment Technician
- Transport Trailer Technician (Commercial Trailer Mechanic)
- Truck and Transport Mechanic (Commercial Transport Vehicle Mechanic)

Program Content

Safe Work Practices
Electrical and Electronic Systems
Hydraulic Systems
Transmissions: Standard, Automatic and Power shift
Winches and Working Attachments
Wheel Machine - Differentials, Final Drives, Tires and Wheels

Learning Options

The Heavy Duty Mechanic Foundation Program is a full-time, 36-week program.

Program Start Dates

Summer: August
Winter: February

Hands-On

In addition to daily classroom studies, a strong emphasis is placed on practical training with numerous “hands-on” projects involving the repair and replacement of worn and damaged mechanical, hydraulic and electrical parts. Graduates will have the skills to be hired on as an

immediately productive employee - reducing the need for employers to invest extensive time and resources into training a new apprenticeship candidate with no experience.

There are significant changes to this program to meet ITA standards. Notification of changes will be made available on the School of Trades and Technology Web site at www.tru.ca/trades

Required Equipment

Students are required to supply their own safety boots and glasses, three pairs of "hi-vis" coveralls (100% cotton), welding gloves and welding cap. Students are also responsible for the cost of laundering their own coveralls.

Application Process and Admission Requirements

Process

Applications are accepted at any time during the year. Students are encouraged to submit the Application for Admission form as soon as possible. The minimum documentation required by Admissions to start the application process includes:

- A completed Application for Admission form available at www.tru.ca/admissions/apply
- The application fee

Seats in Foundation programs are allocated on a first come/first served basis, using the date by which students meet the following entrance requirements: submit a completed application form, pay the TRU application fee and successful achievement on the entry assessment test.

Requirements

Education Requirements

1. Placement on the Entry Assessment Test (Accuplacer) for English and Math at an 0400 level and for Math at an 0400 level (0400 is considered equivalent to BC Grade 10 for this purpose).

Contact the TRU Assessment Centre at 250.828.5470 for more information on the Accuplacer and for testing times and locations. There is a charge to write the test and also for any rewrites (if required). Out of town testing is available.

Recommended

- Grade 10; however, Grade 12 is preferred.
- Mechanical aptitude

General Requirements

Proof of Canadian citizenship or, for those born outside Canada, proof of Permanent Residence Status.

Re-Application

If you were not accepted OR applied but did not attend last year, you need to submit a NEW application form and contact Admissions to ensure that all required documentation is still on file and complete.

Apprenticeship Program

Apprenticeship training for Heavy Duty Mechanics is for individuals currently working in the industry who are indentured into a formal agreement between their employer and a provincial apprenticeship authority. For information on how to become an indentured apprentice, contact the ITABC http://www.itabc.ca at 1.866.660.6011.

Students must have a valid Trade Worker identification number and registration number which is obtained from the Industry Training Authority.

A fully trained, Journeyperson Heavy Duty Mechanic will have the ability to diagnose electrical, mechanical and hydraulic troubles and make repairs according to the manufacturers' specifications. The work involves the ability to determine the cause of the faulty operation of equipment; and the disassembling and reassembling of engines, transmissions, cooling systems, fuel and exhaust systems, clutches and differentials, using hand and power tools and specialized equipment.

TRU offers training for the Heavy Duty Mechanic Apprenticeship in Levels 1, 2, 3, and 4. Each Level is approximately 6 weeks long.

Successful completion of the Foundation Heavy Duty Mechanic program is a pre-requisite for admission.

Year 1: Hydraulics and Brakes
Year 2: Engine and Engine Support Systems
Year 3: Electrical and Electronic Fuel and Diesel Fuel systems
Year 4: Drive Axles, Clutches, Manual and Power Shift Transmissions, Air Conditioners

Apprenticeship training usually takes 4 years to complete. Once students complete their Level 4 training, they write the Inter Provincial Red Seal exam and receive their Journeyperson status if successful.

There are significant changes to this program to meet ITA standards. Notification of changes will be made available on the School of Trades and Technology Web site at www.tru.ca/trades

Admission Requirements

Must be an apprentice registered within a provincial apprenticeship system. An apprenticeship identification number is required.

Application and Admission Process

To sign up for Apprenticeship classes, contact the TRU apprenticeship office at 250.371.5659 or complete and submit the form found at: www.tru.ca/forms/trades/apprentice-form.html. There is no charge to have your name added to the apprentice scheduling list. Seats in apprenticeship classes are allocated on a first come/first served basis. Apprentices will be contacted when a seat is available and tuition and ancillary fees due will be detailed in this notification. These fees must be paid by the deadline set, or the seat will be offered to the next applicant.

Duration for levels have changed as follows:

Level 1: 10 weeks

Level 2: 8 weeks

Level 3: 6 weeks

Level 4: 4 weeks

Start Dates

Apprentice classes run throughout the year. Current class schedules can be viewed at www.tru.ca/trades/apprenticeship.

Program Contact

Foundation Program Training
Mechanical Trades Chairperson
250.828.5130

Apprentice Program Admissions
250.371.5659
1.866.371.5659

Carpentry and Joinery (Cabinetmaking) Program

This 29 week program is an introduction to the Carpentry and Joinery trade. Theory and practice is offered to allow students to build numerous projects.

Learning Options

The Carpentry and Joinery (Cabinetmaking) program is offered as a full-time, 29-week program.

Program Start Dates

Winter intake: January/February

Overview

Carpentry is the largest of all the trades in the building industry. It's a trade in which a great deal of self-satisfaction and pride is associated with the work. Carpenters need to know how to use and maintain many types of hand and power tools, and must also understand the types and characteristics of the various materials and fasteners with which they work. Carpenters must be able to read blueprints and specifications for a particular project.

Carpentry includes the layout of excavations and building lines. Carpenters may assemble concrete formwork and place the concrete. Carpentry also involves: the installation of floor beams, joists and sub-flooring; the construction of walls, stairs, and roof systems; and the installation of windows, doors, exterior siding, wall and ceiling coverings, cabinets, and trim.

A carpenter may specialize in four basic categories within the trade: Formwork, Framing, Interior Finish, and Exterior Finish. In general, construction is balanced between the residential and commercial industries, and a carpenter may choose in which sector to work.

Joiners build, repair and re-style wooden furniture, cabinets, fixtures and other products. There are many similarities with the carpentry trade, and both involve primarily working with wood. Joinery, however, tends to be more specialized. A Joiner is designated as a Cabinetmaker under the Inter-provincial Red Seal program.

Using architectural drawings, Joiners often operate woodworking machines to cut and form parts, which they then assemble into finished products. Some specialize in custom-made furniture. Preparation of costs estimates is often a key skill and responsibility.

The Joinery (Cabinetmaking) trade is a highly rewarding woodworking specialization with emphasis placed on high degrees of accuracy, fit and finish, cost effectiveness and overall craft professionalism. A journeyperson joiner working for a shop or operating his or her own company would be expected to build a variety of items such as kitchen cabinets, furniture, shelving units for stores and millwork. The joiner is required to envision how an item will be constructed, create a detailed shop drawing with a cut list for the item, build and assemble all the components, and then apply the required finishing material.

Many Joiners work in the construction industry. Increasingly, Joiners are tasked with installing pre-manufactured cabinets and fixtures.

Program Content

- Use Safe Work Practices
- Use Documentation and Organizational Skills
- Organize Work and Prepare Worksite Materials
- Use Hand Tools
- Use Portable Power Tools
- Use Survey Instruments
- Perform Site Layout
- Build Concrete Formwork
- Frame Residential Housing
- Apply Building Science
- Use Woodworking Machines
- Select Materials
- Assemble Products
- Apply a Finish

Technical and Hands-on Training

The Carpentry and Joinery (Cabinetmaking) Foundation program prepares students for employment in the trade. Students spend approximately 60% of their time building various projects in the shop, giving them the opportunity to become proficient in basic woodworking. The remainder of class time is spent on theory. Graduates of the Foundation program receive credit for first year apprenticeship technical training in Carpentry and Joinery.

Required Equipment

Students must supply their own CSA approved steel-toed work boots and safety glasses.

Admission Requirements

Educational Requirements

Acceptable score on Entry Assessment Test (Accuplacer):

- English at the 0500 level
- Math at the 0500 level
  (0500 is considered equivalent to Grade 11 for this purpose)

Contact the TRU Assessment Centre at 250.828.5470 for more information on Accuplacer and for testing times and locations. There is a charge to write the test each time. Out of town testing is available.

General Requirements

- Proof of Canadian citizenship or, for those born outside Canada, proof of Permanent Resident status

Recommended

- Grade 10; however, Grade 12 preferred
- Good health
- Good manual dexterity

Program Contact

Construction Trades Chairperson
250.828.5113

Apprenticeship Program Admissions
250.371.5659
Toll-free 1.866.371.5659

Metal Fabricator (Fitter) Program

Training Options

The TRU School of Trades and Technology offers one training option for metal fabrication:

Apprenticeship Training: Advanced training for registered apprentices

Overview

Metal fabricators interpret drawings and are involved in the development of structural and mechanical fabrications. Fabricators build, assemble and repair products made of steel or other metals for use in a wide variety of manufacturing and construction industries. They must be familiar with the properties of metal and know how to operate specialized metalworking machines. The work of a metal fabricator is often intricate and highly precise.

Metal Fabricator (Fitter) is a nationally designated trade under the Inter-provincial Red Seal Program. It takes four years to complete an apprenticeship, which includes taking four levels of technical training and completing the required 6400 work-based training hours needed to achieve Industry Training Authority certification as a Metal Fabricator.

Visit the Industry Training Authority site, www.itabc.ca, for the Metal Fabricator (Fitter) Apprenticeship and Program Profile.

Learning Options

TRU offers Levels 1 and 2 of technical training for Metal Fabrication (Fitter) Apprenticeship as full-time, 5-week classes.

Program Start Dates

Apprenticeship class schedules are available at www.tru.ca/trades/apprenticeship

Metal Fabrication Foundation Programs

Metal Fabrication Foundation program is 21 week in length.

Required Equipment

Students must supply their own welding gloves, jackets, goggles, helmet, cap, safety glasses and CSA approved safety boots.

Admission Requirements

Must be an apprentice registered within a provincial apprenticeship system. An apprenticeship identification number is required.

Program Contact

Mechanical Trades Chairperson
250.828.5130

Apprentice Program Admissions
250.371.5659
Toll-free 1.866.371.5659

Parts and Warehousing Person 1 Program

The Parts and Warehousing Person 1 Foundation program is a full-time, 20-week program.

Program Overview

Parts and warehousing persons are involved in ordering, warehousing and keeping inventory control over parts and accessories for industries like the automotive, commercial transport, heavy duty, marine and warehousing sectors. They are responsible for ensuring that these parts, accessories and warehouse products make their way from manufacturers to consumers, documenting and tracking their progress along the way from factories to warehouses to retail outlets.

Parts and warehousing persons are often responsible for receiving goods and sorting incoming parts, supplies and materials in a warehouse environment. They maintain shipping and receiving records on the amount, kind and location of parts and supplies shipped or received and process purchases and reconcile inventories with physical counts.

This course covers all the aspects necessary for the student to function in a warehouse or parts department situation. Topics included are: shipping and receiving, identification of parts, engine, power train, chassis and support systems - fittings and fasteners, tools, catalogue types and application conversions, communication with customers, safety and warehousing, inventory control, business machine operation, basic computer operation, computer inventory control, sales and merchandising.

Graduates of the Parts and Warehousing Person 1 Foundation program are able to seek employment and registration in either the Parts Person Apprenticeship or the Logistics and Distribution Person Apprenticeship. Visit the Industry Training Authority site, www.itabc.ca (http://www.itabc.ca), for more information on apprenticeship.

Apprenticeship Programs

Apprenticeship Level Training for Level 1 (PPWT1500) Level 2, (PPWT2000) and Level 3, (PPWT3000) are available via distance delivery.

PPWT 1000	Parts Person and Warehousing Foundations
PPWT 1500	Parts Person and Warehousing Principles
PPWT 2000	Parts Person and Warehousing Advanced Principles
PPWT 3000	Inventory and Business Procedures

Learning Options

This program is a blended learning delivery model consisting of face to face learning and distance delivery/on-line instruction

Program Start Date:

Annually in September

Graduates should be able to develop enough skills to be hired on as an immediately productive employee—reducing the need for employers to invest further time and resources into training a new apprenticeship candidate.

Required Equipment

Safety glasses and safety boots

Admission Requirements

Educational

1. Placement on the Entry Assessment Test (Accuplacer) for English at an 0400 level and for Math at an 0400 level. (0400 is considered equivalent to BC Grade 10 for this purpose)

Contact the TRU Assessment Centre at 250.828.5470 for more information on Accuplacer and for testing times and locations. There is a charge to write the test each time. Out of town testing is available.

General

- Proof of Canadian citizenship or, for those born outside Canada, proof of Permanent Resident status

Recommended

- Grade 10; however, Grade 12 is preferred.
- Good health
- Mechanical aptitude

Program Contact

Mechanical Trades Chairperson
Parts and Warehouse Person Instructor
250.828.5130

Plumbing and Piping Trades Programs

Training Options

The School of Trades and Technology offers three training options for the plumbing and piping trades:

- Foundation Training: Entry-level training for those with minimal or no experience
- Apprenticeship Training: Advanced training for registered apprentices
- Continuing Studies: General interest and upgrading for individual needs

Overview - Plumbing Trades

Plumbers install, alter, and repair the systems that keep our water and waste disposal systems running, and that provide many of the basic amenities we rely on day-to-day. They read and interpret blueprints and project specifications. Plumbers also select the type and size of pipe required for a project and measure, shape and join pipes according to the appropriate specifications. They sometimes alter structures to accommodate the pipes. Plumber is a nationally designated trade under the Inter-provincial Red Seal program.

Gasfitters install, test, maintain and repair propane/natural gas lines, appliances, equipment and accessories in residential and commercial premises.

Sprinkler System Installers install and repair fire protection sprinkler systems in a variety of buildings and settings. They work with piping, tubing, accessories and connections. Sprinkler System Installer is a designated trade under the Inter-provincial Red Seal program.

Pipefitters use blueprints and project specifications to construct and repair piping systems that carry water, steam, chemicals and fuel. Steamfitters are typically Pipefitters who specialize in pipe systems that move liquids or gases under high pressure. Steamfitter/Pipefitter is a nationally designated trade under the Inter-provincial Red Seal program. Visit the Industry Training Authority site at www.itabc.ca (http://www.itabc.ca) for more information on Apprenticeship programs.

Foundation Program

Learning Options

The Plumbing Foundation program is a full-time, 25-week program.

Start Dates

Winter: January/February
Summer: July

Technical and Hands-On Training

Students engage in technical training in a classroom setting, which includes safety, trades math and applied science. In-class training is supported by practical exercises completed in a shop environment. These exercises, which comprise approximately half the course content, allow students to gain familiarity with the hand and power tools used in the plumbing and pipefitting trades. Students work extensively with piping materials such as copper, cast iron, black iron, and plastics, and gain experience in fixture installation. Students may have the opportunity to participate in plumbing a house in the community, working with other Foundation students from the carpentry and electrical programs.

Real World

Trades and Technology training at TRU is designed to have the same structure as the real world of employment, with a rigorous schedule of start times and attendance requirements. Students who miss more than three days of training without prior approval may be asked to withdraw from the program.

Admission Requirements

Educational

Placement on the Entry Assessment Test (Accuplacer) for:

1. English at the 0600 level
2. Math at the 0500 level
   (0500 is considered equivalent to BC Grade 11 and 0600 equivalent to Grade 12 for this purpose)

Contact the TRU Assessment Centre at 250.828.5470 for more information on Accuplacer and for testing times and locations. There is a charge to write the test each time. Out of town testing is available.

General

- Proof of Canadian citizenship or, for those born outside Canada, proof of Permanent Resident status.

Recommended

- Grade 12 or equivalent including English 12, Math 11, Physics 11 or Science and Technology 11
- Good health
- Mechanical aptitude

Required Equipment

Students are required to supply their own approved safety glasses and safety boots.

Apprenticeship Program - Plumber

Apprenticeship Program - Plumber Start Dates
Classes are offered throughout the year. Current class schedules can be viewed at www.tru.ca/trades/apprenticeship.

Apprenticeship Program - Gasfitter

Must be an apprentice registered within a provincial apprenticeship system. An apprenticeship identification number is required.

The two levels of technical training for the gasfitter apprenticeship are offered as full-time, 6-week classes. It takes two years to complete a gasfitter apprenticeship, which includes taking two levels of technical training and completing the required work-based training hours needed to achieve ITA certification.

Visit the Industrial Training Authority site, www.itabc.ca for more information on Gasfitter Apprenticeship and Program Profile.

Apprenticeship Program - Gasfitter Start Dates

Classes are offered throughout the year. Current class schedules can be viewed at www.tru.ca/trades/apprenticeship.

Program Contact

Construction Trades Chairperson
250.828.5113

Admissions - Apprenticeship Programs
250.371.5659
Toll-free 1.866.371.5659

Welding Trades Programs

Training Options

The TRU School of Trades and Technology has four training options for welders:

- Foundation Training: Entry-level training for those with minimal or no experience
- Apprenticeship Training: Advanced training for registered apprentices
- Modular Training: Advanced training for those who are not registered apprentices
- Continuing Studies: General interest and upgrading for individual needs

Overview - Welding Trades

A welder is a person who has training in and is capable of welding various steel and aluminum parts using the SMAW, GMAW and FCAW processes, in the fabrication, construction, erection and repair of components or structures, in plate and structural applications.

In general, welders use manual or semi-automatic welding equipment to fuse metal pieces together. They use flame-cutting, brazing and soldering equipment. Heat is applied to the pieces to be joined, melting and fusing them to form a permanent bond. They use metal shaping machines such as brakes, shears and other metal straightening and bending machines. They generally plan work from drawings or by analyzing damaged metal, using their knowledge of welding and metals. Welders may specialize in certain types of welding such as custom fabrication, ship building and repair, pressure vessel welding, pipeline construction welding, structural construction welding or machinery and equipment repair welding.

Welders use blueprint symbols to determine machining operations. They check product specifications using precision measuring instruments, and maintain equipment and replace parts when required. They also transport materials to work areas using cranes or hoists.

Manual dexterity is important for workers in this trade. Good physical health and agility are necessary. Analytical ability and an understanding of computerized machinery are important. These workers must be able to read simple instructions and follow them precisely. They should enjoy routine tasks, and working with others. Good communication skills are also important. A willingness to continue training and taking specialized training courses is usually necessary in order to be successful.

Most people in these occupations work 40 hours per week. Some mills and processing plants operate on shifts during days, nights and weekends.

Please note: The BC provincial welding program is currently under review and subject to changes in the near future regarding curriculum and work based hours. Visit the Industry Training Authority site, www.itabc.ca (http://www.itabc.ca), for more information on welding trades.

Welder Level C

Welding is an industrial art in a highly competitive field. The Welder Level C student develops the high level of physical coordination and manipulative skills required for this trade through manual training. Gas welding and arc welding theory, basic metallurgy, basic blue print reading, applied mathematics and principles of safety are some of the technical subjects covered.

Learning Options

Welder Level C is a full-time, 28-week program.

Program Start Dates

Winter: January/February
Fall: September

Hands-On

Students engage in extensive practical exercises to develop job readiness skills. Evaluation of the work term will be performed by industry and the program instructor. The results of the work term will become part of the student record.

Admission Requirements

Educational Requirements

Satisfactory achievement on the Entry Assessment Test (Accuplacer):

1. English at the 0400 level
2. Math at the 0400 level
   (0400 is considered equivalent to BC Grade 10 for this purpose)

Contact the TRU Assessment Centre at 250.828.5470 for more information on Accuplacer and for testing times and locations. There is a charge to write the test each time. Out of town testing is available. If assessment is required, the student will be sent to the Welding Department.

General Requirements

- Proof of Canadian citizenship or, for those born outside Canada, proof of Permanent Resident status.

Recommended:

- Grade 10; however, Grade 12 preferred
- Good physical health and agility
- Good manual dexterity

Required Equipment

Students are required to supply their own welding gloves, leather jacket, welding cap, goggles, helmet, and safety boots. Tool boxes and tools may be purchased at the Tool Room (TT252). Students will be provided with an extensive equipment list at time of registration in the program.

Welding - Modular Training

Welding Modular Training is a competency-based program available to students who are not registered apprentices. Please note: The BC Provincial Welding Program is currently under review and subject to changes in the near future regarding curriculum and work based hours.

Welder Level B

Welding Level B Modular technical training is 16 weeks in length. 1,620 hours of work experience are also required. (Equivalent to Welding Apprenticeship Level 3.)

Welders who have Level C technical training and who can demonstrate some workplace hours through their log book are eligible to enter Level B training.

Welder Level A

Welding Level A Modular technical training is 8 weeks in length. 1620 hours of work experience are also required. (Equivalent to Welding Apprenticeship Level 4.) Applicants must have completed Welding Level B.

Welding Modular Training Program Start Dates

Level B

Fall: August/September
Winter: January

Level A

Fall: August/September
Winter: January

Welder Apprenticeship Training

TRU offers technical training for registered Welding apprentices. Students must be registered apprentices with a provincial apprenticeship system, and must have a trade worker apprenticeship number. Apprentices complete one 6-week training session and work-based training hours between each level of technical training. It typically takes three years to complete an apprenticeship, which includes all four levels of technical training.

Welding Apprenticeship Program Start Dates

Classes are offered throughout the year.

Please see: www.tru.ca/trades/apprenticeship for current class schedules.

Program Contact

Mechanical Trades Chairperson
250.828.5130

Welding Instructor/Tester
250.828.5105

Apprenticeship Program Admissions
250.371.5659
Toll-free 1.866.371.5659

Williams Lake Campus

1250 Western Avenue
Williams Lake, BC V2G 1H7

Phone: 250.392.8000
Toll Free: 1.800.663.4936

Fax: 250.392.4984

Registrarial Services:

Phone: 250.392.8020
E-Mail wlmain@tru.ca

Programs and Courses Available at the Williams Lake Campus

Visit www.tru.ca/williamslake/programs for more detailed information on the programs and courses offered at the Williams Lake Campus.

Programs including:

- Applied Business Technology (Business Office Assistant with Bookkeeping Applications)
- Bachelor of Science in Nursing Program (Year 1 & 2)
- Community U Courses
- Electrical Trade Entry Program
- Electrical Second Year Apprenticeship
- Health Care Assistant
- Community and School Support Certificate
- Human Service Diploma
- Heavy Duty Mechanic and Commercial Transport Technician
- Partner Assisted Learning (PAL) (Tuition-free)
- Practical Nursing Program
- Residential Construction
- Saw Filer Levels 1, 2 & 3
- University and Career Preparation – (Grade 10-12 equivalency) (Tuition-free)
- University Courses/Associate Degrees
- Welding Levels C, B, and A, upgrading, testing
- Work Skills Training Program

Student Services

Academic Advising

Academic Advisors serve students by providing current information on course and program prerequisites for university and employment preparation, university, career and technology programs, assist students to meet their educational goals, and assist first and second year academic students in program planning, course selection, timetabling and registration.

Advising is available at the Williams Lake campus. To book an appointment, please call 250.392.8000 or email wlmain@tru.ca

Counselling

Counselling deals with personal issues that may affect a student's academic performance and/or well-being. Visits to Counselling are voluntary and confidential, within the limits of the law, and are designed to help students work out their own solutions for academic, vocational, social or personal problems. The major focus is on career counselling and short term or crisis intervention. Kathy also conducts workshops throughout the year on various topics such as career planning, stress/time management, study skills and test anxiety. Appointments with our Counsellor are booked in advance, and emergencies or crisis situations are dealt with as quickly as possible. Appointments are booked through the receptionist by calling 250.392.8000 or 1.800.663.4936.

Library Services

TRU Library Williams Lake branch advances inquiry, discovery and engagement by providing the TRU Community with quality resources, services and technologies to support teaching, learning, and research. The TRU library has over 250,000 volumes of books, 14,000 films and videos, 105 online article databases, 110,000 ebooks, and subscriptions to 36,000 electronic and print periodicals. All materials are available to TRU Library, Williams Lake branch.

The library serves as a learning commons for research, study, discovery where users have access to the branch librarian for help when improving information literacy skills, accessing library resources (print and electronic), developing research strategies, and much more.

To use many resources available through the library, students must obtain a Student ID card from the Student Services clerk and their private PIN from the Circulation Desk staff.

The library is accessed through the Book Store where Campus Cashier and Williams Lake Campus Centre is also located. Please call 250.392.8031 to speak with the librarian.

Bookstore Services

The Bookstore offers you much more than textbooks. We sell fun gear such as TRU clothing, greeting cards, and gift items, as well as, calculators, software, stationery supplies and general interest books. It is owned and operated by TRU for the convenience of students and staff, but more than that, the friendly staff is always willing to help students with anything we can. The Bookstore is responsible for providing required and recommended textbooks at the lowest possible prices.

We also purchase used textbooks from the students for up to 50% of the new price, providing the text is the current edition and will be used in the following semester. These texts are available for purchase at 75% of the new price which is a substantial savings for the students.

The Bookstore will also purchase books no longer being used at TRU. The value of these books, which is the market value of the book, is set by wholesalers and does provide some return on your investment.

If you have specific concerns or needs which are not being met, please let the Bookstore staff know. We are here to serve you. Used textbook prices are available on the Bookie's website. Contact the Bookstore at www.thebookstore.tru or 250.392.8004

Services for Aboriginal Students

Rhonda acts as a liaison with First Nations Bands, community organizations and other local agencies to ensure support for students, as well as assisting students with course selection, time-tabling and orientation. The Coordinator of Aboriginal Services works closely with the Open Learning Facilitator to assist students with distance courses, and ensures that they are set up with the resources that are available at the Aboriginal Learning Centre which include tutoring and computer support.

Appointments are available by drop in or call 1.800.663.4936 or 250.392.8009.

Other Services

Buses

The City of Williams Lake operates a public bus system that makes regularly scheduled trips. You are advised to pick up a current bus schedule for information of specific times.

University Courses/Associate Degrees

The Williams Lake Campus offers transfer programs for the following degree programs.

Academic Programs

Year One and Two

- Bachelor of Arts Degree
- Bachelor of Science in Nursing (New student intake in even years)

Year One and Two

To prepare for application to the following degrees:

- Bachelor of Education
- Bachelor of Journalism
- Bachelor of Social Work

Year One

- Bachelor of Science Degree
- Pre-Chiropractic
- Pre-Dentistry
- Pre-Law
- Pre-Medicine
- Pre-Naturopathic Medicine
- Pre-Optometry
- Pre-Pharmaceutical Sciences
- Pre-Rehabilitation Sciences
- Pre-Veterinary Medicine

For confirmation on the transferability of TRU courses offered in Williams Lake to health sciences programs, or other programs, it is recommended that students consult with the institution to which they hope to transfer.

In addition, students should refer to the University website and consult an Academic Advisor. Williams Lake University Programs and Associate Degrees www.tru.ca/williamslake/programs/universityprograms

Associate degrees/diplomas are offered at the Williams Lake Campus in the following area:

- Associate of Arts Degree

No Cancellations! All of our Academic courses are guaranteed to run and will not be cancelled due to low enrolment

Trades and Technology Programs

Residential Construction – Foundation Program

Students can apply a year before the program begins.

Program Description

Looking for a fulfilling career where attention to detail, applied technology, pride and accomplishment is important? In this 30 week program, graduates will receive credit for 1st and 2nd year apprenticeship technical training, as well as work based hours. Students will spend approximately 70% of their time building various projects of which the major project is a house built in the community. Students gain familiarity with the use of hand tools, portable power tools and other equipment regularly used by carpenters. Students also have ample opportunities to work with the materials used by carpenters including lumber, panel products, concrete, roofing materials, fasteners, and a wide variety of hardware.

For admission requirements and more detailed information, please refer to the program information. Williams Lake - Residential Construction Program

www.tru.ca/williamslake/programs/trades

Electrical Foundation Training

Students can apply a year before the program begins.

Program Description

This course is designed to prepare people for employment in the electrical or related trades. Electricians are skilled in installing, maintaining and repairing electrical apparatus in residential, commercial and industrial environments.

Williams Lake- Electrical Foundation Training Program Information
www.tru.ca/williamslake/programs/trades

Course Content

This 24 week program covers care and use of hand tools and electrical instruments; installation and maintenance of electrical equipment; electrical theory and calculations; and the Canadian Electrical Code. Students engage in extensive practical exercises to develop their job readiness skills.

For more information, please contact 250.392.8133

Electrical Second Year Apprenticeship

Program Description

This program is offered to indentured electrical apprentices. Electrical apprentices are required to attend technical training ten weeks per year over a four year period.

Electricians are skilled in installing, maintaining, troubleshooting and repairing: electrical distribution systems, lighting, motor control components, motors, generators, DC and AC power systems. These skills are used in the industrial, commercial and residential environments. The journeyperson electrician works in a challenging and rewarding trade where technology is constantly changing and competition is high.

Heavy Duty Mechanic & Commercial Transport Technician

This Foundation program is a combination of the Commercial Transport Vehicle Mechanic and the Heavy Duty Mechanic programs. It is Module 1 of 5 modules (Modules 2-5 are in the Apprenticeship Program) and is a prerequisite and prepares students for the following apprenticeships:

- Heavy Duty Equipment Technician
- Transport Trailer Technician (Commercial Trailer Mechanic)
- Truck and Transport Mechanic (Commercial Transport Vehicle Mechanic)

Phone: 250.392.8120
Fax: 250.392.8123

Saw Filer - Levels 1, 2, & 3

Three trades make up the saw trades: Saw Fitting, Circular Sawfiler, and Benchperson. The saw filer apprentice program provides the knowledge and skills required to become both a provincially and inter-provincially certified tradesperson.

Thompson Rivers University, Williams Lake Campus is the only training institution in BC that offers technical training for these trades.

INDUSTRY REQUIREMENTS

To begin an apprenticeship to become a circular saw filer, learners must complete 840 hours of work-based training, working in a saw filing room and assisting saw filers in their work.

Apprentice must also secure an employer who is approved to provide on-the-job training in saw filing and is willing to register the apprentice and keep a record of their performance.

Education Requirements

Grade 10 education (including English 10, Math 10 and Science 10 or equivalent); however, Grade 12 preferred

www.tru.ca/williamslake/programs/trades/sawfiler

For more information please contact:
250.828.5130

Welding Programs

Program Description

Level "C" Welding is a 24 week program, offered year round, with start dates in February each year.

Level "B" (16 weeks) and "A" (8 weeks) Welding are offered throughout the year with start dates from September through May.

Welding is an industrial art in a highly competitive field. It requires constant physical coordination of arms, hands and eyes, and the student develops manipulative skills through manual training.

Related gas welding and arc welding theory, basic metallurgy, basic blue print reading, applied mathematics and principles of safety are some of the technical subjects covered. On completion of the course, a student will have gained sufficient practical experience and related theory to take a variety of job tests.

For admission requirements and more detailed information, please refer to the Welding section of this calendar.

www.tru.ca/williamslake/programs/trades/welding programs

For more information, please contact:

Phone: 250.392.8121
Fax: 250.398.2812

Career Programs

Applied Business Technology Certificate

Program Description

The Applied Business Technology Department in Williams Lake offers a 9-month Business Office Assistant with Bookkeeping Applications program. This program includes advanced training and specialization in the latest technology and equipment used in the modern office.

For more information, please contact 250.392.8146

Human Service Programs

Program Description

Both the Community and School Support Certificate and the Human Service Diploma are offered on the Williams Lake Campus.

The Human Services Diploma is offered every year for full time students. Part time options are also available. Both programs require the same admission requirements as the programs on the Kamloops campus.

There are a number of options for completing courses through Open Learning that are also available.

Community and School Support Certificate

Please see the Community and School Support Certificate website for the most up-to-date Program and admission information.

Williams Lake Community and School Support Certificate
www.tru.ca/williamslake/programs/humanservice

Human Service Diploma

Please see the Human Service Diploma website for the most up-to-date Program and admission information.

Williams Lake Human Service Diploma
www.tru.ca/williamslake/programs/humanservice/humanservicediploma

250.392.8164

Transferability and Laddering

These "employment ready" programs are designed to prepare men and women for job entry in a variety of human service positions. As there are continuing employment opportunities for persons in human services, training at these levels prepares individuals to perform various helping services in a broad range of agencies and facilities.

Certificate graduates from each of the Human Service Programs may receive discretionary credits when laddering to diploma or specific degree programs at TRU and other colleges or universities. Students planning to use TRU courses to transfer to other institutions should confirm their transferability by contacting the institution to which they intent to transfer to.

Health Care Programs

Bachelor of Science in Nursing (Year 1 & 2 offered at Williams Lake)

Program Description

This is a four-year degree program. Graduates receive a Bachelor of Science in Nursing (BScN). Upon completion graduates are eligible to write the Canadian Registered Nurse Examination (CRNE) and apply for registration with the College of Registered Nurses of British Columbia (CRNBC) to practice as a Registered Nurse (RN).

For more information
www.tru.ca/williamslake/programs/nursingprograms

Practical Nursing Program

Program Description

In the Practical Nursing Program, you'll acquire the practical and theoretical grounding you'll need to give professional nursing care to individuals, families and groups in a variety of settings. You'll work through a combination of course work and practical clinical placements, completing a program that will prepare you for your subsequent work as a Practical Nurse. As a graduate of the Practical Nursing Program, you'll be prepared to nurse using Professional Standards of Practice and competencies established by the College of Licensed Practical Nurses of British Columbia.

Upon completion of the program, you'll be eligible to write the Canadian Practical Nurse Registration Exam, required for Licensing in BC.

Please visit us on the web for more information.

www.tru.ca/williamslake/programs/nursingprograms

Health Care Assistant Certificate

Program Description

This 24-week program is designed to prepare the graduate to function under supervision as a Health Care Assistant. Learned skills will be applied in the community utilizing local personal care settings, intermediate and extended care facilities and in private homes. The focus will be on training the health care worker to assist the client in meeting his/her basic physical, emotional, environmental and social needs. Students learn to provide practical assistance to help maintain the client's maximum independence within the limits of his/her ability.

For admission requirements and more detailed information, please refer to www.tru.ca/williamslake/programs/nursingprograms

Developmental Programs

Programs

Programs and courses offered by the department include:

- University Preparation (Grade 10 to 12 equivalent) (Tuition-free)
- Partner Assisted Learning (PAL) (Tuition-free)
- Work Skills Training Program (Adult Special Education)

University and Employment Preparation (Grades 10-12 Equivalency)

Admission Requirements

University Preparation offers adult learners the opportunity to complete prerequisites for admission into a variety of career, vocational, and academic programs or to complete the B.C. Adult Dogwood (the equivalent to high school completion)

General Requirements

At least 17 years of age and 1 year out of school.

For students wishing to complete the BC Adult Graduation Diploma, it is highly recommended that students meet with an Academic Advisor.

Course Descriptions

Please see University Preparation Programs Williams Lake Campus www.tru.ca/williamslake/programs/universityprep for detailed course information.

Partner Assisted Learning (PAL)

Program Description

Based at Williams Lake, PAL is a community partnership program designed to provide one-to-one assistance for persons wanting to learn to read, write, or use numbers in their daily lives. Scheduling is arranged to suit the learner. The program is free of charge, and all inquiries are confidential. PAL is a joint project of TRU, Cariboo Chilcotin Partners for Literacy, and the Ministry of Advanced Education.

For more information regarding the PAL program, please contact the PAL Coordinator at 250.392.8161.

Work Skills Training Program (Adult Special Education)

Program Description

The program is designed for students with disabilities or learning difficulties who do not have the academic qualifications for regular University programs. Students will develop specific job and job readiness skills and improve their functional reading, writing, math, and oral communication skills. The program is individualized to meet student needs and includes opportunities for work experience in the community.

If you know someone who may be interested in this program, please contact the Registrarial Services at 250.392.8020

For more information please contact 250.392.8168

Continuing Education

A wide variety of courses are offered for evening and weekend participation. Program brochures are published throughout the year. A supply of brochures is also available at the Community U office. As class sizes are limited, students are encouraged to register early. Registration is done on a first-come, first-served basis with payment or proof of sponsorship.

Arts and Culture

- Bob Ross Landscape Oil Painting
- Cracking Open our Creativity

Please visit our website for additional course information. Williams Lake Community U - Arts and Culture www.tru.ca/williamslake/cs/arts

Business/Office Skills

Courses that may be offered include:

- Bookkeeping, An Introduction
- Cashier Training
- Entry Level Hospitality
- How to be Successful on Ebay
- Internet Marketing
- Minute Taking
- Proposal Writing
- Serving it Right Workshop
- Conflict Management in the Workplace
- The Business of Communicating

Micro Computer Certificate Program

This program consists of five courses, four required and one elective.

- The Operating System, is a prerequisite for all other courses
- Fees are Income Tax deductible
- Certificate upon successful completion
- Day and evening classes offered

Courses that may be offered each semester are:

- The Operating System
- Word Processing - Word 2010
- Spreadsheets - Excel 2010
- Database - Access 2010

Electives:

- SAGE 50
- Professional Presentations using PowerPoint
- Desktop Publishing
- Quickbooks

Other computer courses include:

- Adobe Photoshop Elements
- Basic Computing
- How to use your Digital Camera
- Intermediate Access
- Intermediate Excel
- Intermediate Word
- Keyboarding to 25 wpm
- Introduction to Tablet Computing
- Microsoft Project 2013
- File Management Basics

Contract Training

Community U is designed to offer and meet the needs of companies, First Nations Bands or community groups in the Cariboo-Chilcotin Region. If practical, courses can be delivered anywhere in the region. Community U provides business or agencies with programs that are:

- individualized to your specific request
- based on assessment of employer/employee needs
- held at your location of choice where possible
- timed to fit your schedule

The cost of such a program is developed in consultation with each individual request. Help is also available to determine your specific need and to design an appropriate course or workshop. Our training can cover almost any area of general interest such as personal and professional development, trades, technical skills or other areas of interest. If there is a particular course you would like us to offer, give us a call.

If you have a particular training need or need information, contact 250.392.8177

First Aid Courses

Courses that may be offered during a semester include:

- Automated External Defibrillator
- Basic Emergency First Aid
- Childcare Setting First Aid Package
- CPR Certified and Recertified
- Pediatrics First Aid
- Standard First Aid
- Transportation Endorsement
- Workplace for BC - First Aid Levels 1,2 & 3

Forestry Courses

Courses that may be offered during a semester include:

- Enform Chainsaw Safety
- GPS Locator
- Log Scaling
- Logging Waste & Residue
- S100/S185 Fire Suppression
- S100/S185 Fire Suppression Recertification

General Interest Courses

Courses that may be offered during a semester include:

- Ceramic Tile
- Creative Concrete
- Drywall
- Electrical Systems in the Home
- Exploration in Life Writing
- Hardwood and Laminate Floors
- Introduction to Interior Design
- Photography
- Plumbing
- Writing Workshops

Health & Safety Courses

Courses that may be offered during a semester include:

- ATV Safety Training
- Confined Space
- Fall Protection
- Fire Extinguisher Training
- Foodsafe Level 1
- Forklift Safety
- Ground Disturbance
- H2S Alive! Sour Gas Safety Training
- Industry Recognized Certificate Training
- Traffic Control Person Certification (Flagging)
- Transportation of Dangerous Goods
- WHMIS

Language Courses

Courses that may be offered during a semester include:

- Chilcotin Language and Culture
- German, Beginner Conversational
- Shuswap Language and Culture
- Spanish, Beginner Conversational

Professional Development Courses

Courses that may be offered during a semester include:

- Bartending Professionally
- Basic Counselling Skills
- Conflict Resolution
- Customer Service Representative in Banking
- Ethical Decision Making
- Foundational Skills for Helpers
- Management Skills for Supervisors
- Project Management

Trades, Technology and Agriculture

These are vocational trade related courses and can cover a wide area according to the needs of the community. In most cases they are custom designed or have been developed to prepare students to challenge specific government exams. Some of the courses offered include:

- Air Brake Certification
- Basic Welding
- Intro to Oil & Gas Industry Training
- Class One Driver Training
- Mining Skills for an Entry Level Workforce
- Small Engine Repair
- Sustainable Building Advisor Program

For more information on Community U courses, please contact 250.392.8010

Personal Health

- Prenatal in a Day
- Childbirth Preparation Series

Regional Centres

Introduction

The Regional Centres offer a wide variety of credit and non-credit courses designed to meet the educational and training needs of the community.

For further information on these and other services, contact your local community coordinator:

100 Mile house	250.395.3115
Ashcroft/Cache Creek	250.453.9999
Barriere	250.672.9875
Clearwater	250.674.3255
Lillooet	250.256.4286

100 Mile House Training & Education Centre

The Centre

The 100 Mile House Centre is located at 485 Birch Avenue in the Bridge Creek building. It offers courses in computer applications, health & safety, first aid, trades, and general interest offerings. For the many businesses and government agencies in 100 Mile House, the Centre provides contract training at the employer's convenience.

Centre staff is available to answer questions about the first year university transfer and trades training available locally. The Coordinator is available to assist individuals or groups with their needs for employee training, employment skills upgrading, personal development or general interest courses. Contact the 100 Mile House staff for information and/or a copy of our brochure.

Ashcroft/Cache Creek Training & Education Centre

The Centre

The Ashcroft/Cache Creek Centre is located at 310 Railway Avenue, across the lane from the Ashcroft Fire Hall.

This Centre offers a wide variety of courses each year in Ashcroft, including computer training, health and safety certificates and general interest classes. First year university transfer courses are also available at the centre. The Community Coordinator is able to work with local employers and agencies to design training programs to meet their specific educational needs.

Calendar and brochures, application forms, financial aid & awards packages and general information on post-secondary education are all available at the Ashcroft/Cache Creek Centre. Computerized testing is available to help local residents determine their career goals. Referrals to Academic Advisors and Counsellors can also be arranged. Assessment and entry tests, including the LPI, may be written at the local TRU Centre.

Barriere Training & Education Centre

The Centre

The Barriere Centre is located in the heart of downtown Barriere at 4629 Barriere Town Road. It offers a wide variety of courses in arts, business, trades, health, adult basic education, literacy and general interest. All courses offered will depend on community demand.

The Community Coordinator has information available about post-secondary opportunities, academic advising, counselling services, and financial aid. Invigilation of exams from other institutions is available on request as well as any other testing requirements such as Assessment or LPI tests. Also available are customized courses, programs or workshops for any individuals, businesses or agencies.

Clearwater Training & Education Centre

The Centre

Thompson Rivers University and The Community Resource Centre for the North Thompson co-exist at 751 Clearwater Village Road. Under this joint partnership both credit and non-credit part-time vocational courses are offered. The Resource Centre's mandate is to cover the North Thompson communities of McLure, Louis Creek, Barriere, Darfield, Little Fort, Clearwater, Birch Island, Vavenby, Avola and Blue River. The centre is a multi-media learning facility aimed at providing and brokering job related training and retraining for local citizens. It boasts of modern training facilities, proven training resources, top-flight instructors, and state-of-the-art computer and video-conferencing technology.

Some other services offered are entrance and assessment exams, application forms for financial assistance, calendars, admission applications, information on distance education courses, supervision of exams, GED study manuals, application to write the exam and testing.

A wide variety of courses are offered through the Centre. First Aid, Health and Safety, Trades and Technology, Forestry, Computing, and General interest courses. Work related courses include Occupational First Aid Level 1-3, Transportation Endorsement, Red Cross Emergency and Standard First Aid, Red Cross Advanced Wilderness First Aid, FS100, Traffic Control, and Foodsafe Level 1. Several on-line work related certification courses are also available; Petroleum Safety Training, Construction Safety Training, Transportation of Dangerous Goods, WHMIS, Ground Disturbance and H2S Awareness. Serving It Right and Service Station Attendant are available in self- study format.

Lillooet Training & Education Centre

The Centre

The Lillooet Training and Education Centre is located at the Old Mill Plaza, #10 - 155 Main Street. The Centre's facility includes a 20 seat classroom, 12 computers and a conference room.

Some of the many programs now offered in Lillooet are the Bachelor of Arts full-time first-year University courses, Trades and Vocation Training such as Residential Construction, Aboriginal Tourism Certificate, Fetal Alcohol Spectrum Certificate, Microcomputer Certificate I, and Home Support Resident Care Certificate.

The Centre offers a wide variety of work-related programs, including business, computer, first aid and forestry courses. In addition, the Centre provides invigilation of exams from other institutions as well as any other testing requirements such as Assessment or LPI tests.

TRU can provide any individual, business or agency with courses, programs or workshops that are individualized for specific requests. The coordinator is available to assist individuals or employers with their needs. Courses can be delivered to your location and customized to meet your specific requirements.

Community U: Continuing Education

Mission Statement

Community U - Continuing Education offers an array of programs, workshops and courses designed to meet the demands of today's workplace and the interests of the Cariboo Chilcotin community.

Continuing Studies Brochure

Course details are published in the local newspapers weekly. Please view our Full Course and Program list at Community U - Continuing Education www.tru.ca/communityu

Registration and Information

For more information please call the individuals noted below. To register, please call 250.828.5272.

Advanced Technology, Arts, Business, First Aid, Science and Tourism, Police & Justice Studies Diploma Program
250.828.5213
Nursing
1.800.663.1663 (ext 6336)
Trades & Technology
250.371.5658

Refund Policy

For Continuing Education courses, there is a full refund of tuition fees if the University cancels the course. There is also a full refund if the student withdraws one week prior to the commencement of the course. If the course falls on a Saturday or Sunday, the student must withdraw the Friday previous. There are no refunds or transfers to other courses once the course has started. Any exceptions to this policy will be handled on an individual basis through the respective coordinator or assistant.

Faculty of Arts

Arts Continuing Studies provides courses that supplement the offerings of the Departments of English and Modern Languages; Philosophy, History, and Political Studies; Psychology; Geography, Sociology and Anthropology; and Visual and Performing Arts, and School of Journalism.

School of Business and Economics

Continuing Studies in the School of Business and Economics provides a variety of innovative courses and programs, including the distance-delivered Executive Diploma programs (offered on a group basis only and not individually), the General Insurance Certificate program. Visit www.tru.ca/communityu

Courses included are:

- Beginners AutoCad & Advanced AutoCad
- Bookkeeping Level 1, Advanced Bookkeeping
- Introduction to Web Site Development
- Introduction to Better Pix from Your Digital Camera
- Simply Accounting Level 1 & Level 11

Computer Courses

Note that students can take any of the computer courses below without taking the entire Microcomputer Certificate 1. Intermediate classes in Excel, PowerPoint, Word, Access and Windows can also be scheduled depending on demand.

Microcomputer Certificate 1

This program represents the minimum level of literacy that you need to compete in today's job or work market. Computer skills have increased substantially over the past decade and those individuals who have strong computing skills will have a distinct advantage.

The program consists of five courses; four required and one elective. The Operating System course is the prerequisite course for other courses in the program. Keyboarding skills are recommended for maximum benefit.

Required courses (4):

- The Operating System
- Microsoft Word
- Microsoft Excel
- Microsoft Access

Elective Courses (choose only one of the following)

- Desktop Publishing
- PowerPoint
- Simply Accounting

Security Training Certificate Program

Security Training Certificate Program:

- Basic Standards Training

School of Tourism

Continuing Studies in the School of Tourism provides programs and courses in response to industry needs in the recreation, hospitality and tourism sectors. One great course that we offer is the Bartending course.

Science and Advanced Technology

Continuing Studies liaises with community and professional groups in offering a variety of courses in public and professional health, pest management & pesticide applicator/dispenser certificate, pesticide dispenser certificate, the environment and occupational safety. Courses may be offered on a public basis or on a contract basis for a specific company or group.

Safety and Health Courses Include:

- Foodsafe Level 1
- WHMIS
- WorkSafe: Occupational Health & Safety Committee Training
- Transportation of Dangerous Goods
- Traffic Control Person Certification
- Occupational First Aid - Level 1, Level 11, Level 111
- CPR "C"
- Red Cross Emergency
- S-100 Fire Suppression & Safety

Contract courses available – please call 250.828.5272 or email community@tru.ca

Trades and Technology

Continuing Studies offer a wide variety of industry training. We provide the type of training that the client desires, fitting their schedule and cost limitations. Programs can be completed at TRU or we offer on-site industry training. Some of the programs offered include: Air Brake Certification, Welding, Carpentry, Electrical, and Plumbing Training, Power Engineering, Commercial Vehicle Inspection, and Class 1 Driver Training,. We also offer several TQ refresher programs.

The Management Centre

Manager and Training Contact:

250.828.5060
250.371.5579

The Management Centre offers a full range of consulting services to meet the changing needs of business, industry, and public sector organizations. Our professional staff will assess individual client situations and work collaboratively to design organizational staff development programs that will meet specific needs.

Management Skills for Supervisors

A 12-day, three-part program designed for middle managers and supervisors:

- PART 1 Interpersonal Skills
- PART 2 Group Skills
- PART 3 Administrative Skills

Management Skills for Supervisors is a (TRU) Certificate Program. Participants completing all three parts will receive, upon application to the Registrar at TRU, credit towards Business Degree Program at Open Learning – Receive CE credits on approval from designation granting organization.

Advanced Management Skills for Supervisors

This three-day workshop is designed for managers who have taken the certificate Management Skills for Supervisors program or an equivalent supervisor training course. This program focuses on developing competency in the following areas:

- The New Leader – preparing leaders to navigate the perfect labour storm
- Leadership and the Multi-generational workforce – lean specifics about the four generations in the workplace
- Attracting and Recruiting Great Talent – Learn how to brand yourself as a Great Leader
- Creating a Culture of Engagement – engaged employees = retained employees
- Communicating for Success – Learn about the ladder of inference
- Coaching that Engages – Discover why coaching is the ultimate engagement tool
- The Vision of Teams – Discover how to lead a multi-generational team
- Understanding Conflict – Learn how your MBTI assessment is a powerful tool for reducing conflict
- Change Management for Leaders – understand the role of leadership and change

Some Additional Topics Offered Through the Management Centre

- Coaching in the development of specific workplace skills
- Executive Coaching skills for managers/executives/leadership coaching
- Coaching for Success
- Managing change
- Conflict Management/Conflict Resolution
- Interpersonal skills in the workplace
- Time Management
- First Nations Training (courses that the Management Centre provides)
- Problem Solving and Decision Making
- Project Management Tools and Techniques
- Recruitment in the Workplace
- Stepping Up to Supervision

Becoming a supervisor or lead hand is not an easy transition. It requires a different set of skills to move from doing the actual job to the role of delegating and supervising the work of others. The program will be highly interactive and participants will learn by doing

Course Descriptions

Course Descriptions-Alphabetic by Subject

Course Numbering and Definitions

The first digit indicates the year level at which the course is usually taken. For example, a course number beginning with a "1" is a first year course. The second and third digits further define a course. The fourth digit indicates whether it is a campus course (even numbers) or an Open Learning course (odd numbers). For example, ENGL 1100 is a first year campus course and ENGL 2101 is a second year Open Learning course.

The credit value for a course is indicated after the course number (i.e., ENGL 1100 3 credits. For courses based on contact hours, the contact hours will be indicated as (155 hours)

Codes	Description
ABTS	Applied Business Technology
ACCT	Accounting
ADVG	Adventure Studies
AGSC	Agriculture Science
ANHD	Animal Health Technology Distance
ANHT	Animal Health Technology
ANTH	Anthropology
APEC	Applied Economics
APSC	Applied Science
ARCH	Archaeology
ARET	Architectural & Engineering Technology
ARTS	Art's Student Success
ASHS	Applied Studies Health Science
ASET	Adult Special Education Training
ASTR	Astronomy
AUTO	Automotive
AWCP	Animal Welfare
BBUS	Business
BIOL	Biology
BLAW	Business & Law
BUSN	Business
CARP	Carpentry
CFTL	Centre for Teaching & Learning
CHBI	Chemical Biology
CHEM	Chemistry
CHIN	Chinese
CMNS	Communications Studies
CNST	Canadian Studies
COAP	Culinary Arts Apprenticeship
COMP	Computing Science
COOK	Culinary Arts
COOP	Co-operative Education
CYCA	Child & Youth Care
DAAD	Digital Art & Design
DRAF	Drafting
ECED	Early Childhood Education
ECON	Economics
EDCP	Education & Career Planning
EDHR	HR Management
EDMT	Management
ELEI	Industrial Electrician
ELEL	Electrician
ELTE	Electrical Trade Entry
ENGL	English
ENTR	Entrepreneurship
ENVS	Environmental Sciences
EPHY	Engineering Physics
EVNT	Event Management
EXPL	Experiential Learning
FILM	Film
FNCE	Finance
FNLG	First Nations Language
FNST	First Nations Studies
FREN	French
GASF	Gas Fitter
GEOG	Geography
GEOL	Geology
GERM	German

Codes	Description
GLAZ	Glazier
HEAL	Health
HIST	History
HLSC	Health Science
HMGT	Hotel Management
HORT	Horticulture
HRMN	Human Resource Management
HUMS	Human Service
IBUS	International Business
IDIS	Interdisciplinary Studies
IEIM	Industrial Electrical Instrument Mechanic
IIME	Industrial Instrumentation Mechanic
IMEC	Instrumentation Mechanic
JAPA	Japanese
JOIN	Joinery
JOUR	Journalism
JUST	Police &Justice Studies
LAWF	Faculty of Law
LEGA	Legal Office Assistant
MATH	Mathematics
MEAT	Meat Processing
MFAB	Metal Fabricator (Fitter)
MICR	Microbiology
MIST	Management Information Systems
MKTG	Marketing
MLAN	Modern Languages
MNGT	Management
MTST	Mountain Studies
MUSI	Music
NRSC	Natural Resource Science
NURS	Nursing
OEED	Outdoor & Experiential Education
ORGB	Organizational Behaviour
PARW	Parts and Warehousing
PHED	Physical Education
PHIL	Philosophy
PHYS	Physics
PLTE	Power Line Technician
PLUM	Plumbing
PNUR	Practical Nursing
POLI	Political Science
PPWT	Parts and Warehousing
PSYC	Psychology
RCAR	Residential Construction
RESP	Respiratory Therapy
RTCT	Respiratory Therapy Clinical
SAWF	Saw Filer
SCMN	Supply Chain Management
SERV	Service Learning
SOCI	Sociology
SOCW	Social Work
SPAN	Spanish
SPEE	Speech & Presentations
STAT	Statistics
STSS	Study Skills
TESL	Teaching English as a Second Language
THTR	Theatre
TMGT	Tourism Management

TMPT	Transportation & Motive Power
TROW	Trowel Trades
VISA	Visual Arts
WELD	Welding
WKSK	Work skills
WTTP	Water Treatment
YMCR	Extension Services
YMSS	Management Skills for Supervisors

ABTS 1100
Word Processing 1 ***(45 Hours)***
Students are provided hands-on opportunities to learn and apply the basic functions of a word processing program as well as the proper format of documents, such as letters and memoranda. Although this course uses Microsoft Word, many of the acquired skills are generic and can be transferred to most word processing packages.
ABTS 1200, ABTS 1550 if taken online

ABTS 1110
Word Processing 2 ***(45 Hours)***
This course is a continuation of Word Processing 1. Students are provided additional instruction and practice with letter styles, tables, charts and reports. Advanced features of word processing software such as merge, macros, outlines, graphics, and styles are also demonstrated and applied.
Prerequisite: ABTS 1100

ABTS 1120
Desktop Publishing ***(50 Hours)***
This course is a study of desktop publishing functions, including the elements of page design and organizational tools, and the planning, drafting, and production process. Students apply word processing and desktop publishing software, as well as integration elements, to produce publications such as letterheads, flyers, brochures, business forms, and newsletters.
Prerequisite: ABTS 1110

ABTS 1130
Keyboarding 1 ***(45 Hours)***
Learners are provided with the necessary techniques to keyboard accurately at a minimum of 25 wpm using the alpha and numeric keyboard.
Prerequisite: ABTS 1550

ABTS 1140
Keyboarding 2 ***(35 Hours)***
Students learn to key accurately and proficiently. The course builds on current keyboarding skills to enable students to reach a minimum of 50 net words per minute on a five-minute timing.
Prerequisite: ABTS 1550 if taken online

ABTS 1200
Introduction to Computers ***(30 Hours)***
This course has two sections, Windows and Internet. The Windows section is designed to provide students with an introduction to Microsoft Windows operating systems. Students learn to manipulate the Windows environment, use Windows Accessories, and use the Computer and Windows Explorer programs to manage files and folders. The Internet section is designed to provide students with an introduction to the Internet, including email basics and advanced features, web browser basics, web navigation, and web research.
Prerequisite: ABTS 1550 if taken online

ABTS 1210
Spreadsheets 1 ***(25 Hours)***
Students develop a working knowledge of Microsoft Excel, by learning how to design, create, modify, and present professional-looking spreadsheets for use in today's workplace. Exercises include using formulas and built-in functions to solve mathematical problems, in addition to illustrating and presenting spreadsheet data in graphic form.
Prerequisite: ABTS 1200

ABTS 1220
Spreadsheets 2 ***(30 Hours)***
Students acquire a higher-level of proficiency by using Microsoft Excel to create electronic spreadsheets, for advanced applications in today's workplace. Exercises include using advanced functions and formulas, performing calculations, filtering and formatting data, and developing a custom Excel application. This course is a continuation of the material offered in ABTS 1210: Spreadsheets I.
Prerequisite: ABTS 1210

ABTS 1230
Databases ***(31 Hours)***
Students are introduced to the Microsoft Access data management system, while they plan, design, and create a database to meet the information management needs of today's workplace. Terminology, database concepts, and features of relational databases are discussed and demonstrated as students use various commands and features to create tables, queries, forms, and reports. Students enter data, work with calculations, extract information, and generate and print reports.
Prerequisite: ABTS 1200

ABTS 1240
Presentation Software ***(20 Hours)***
Using PowerPoint Presentation Software, students apply appropriate design concepts to present data and information in a colourful and well-organized format. Students are instructed in using design templates, applying various attributes and including a variety of objects to create, modify, save, and deliver presentations.
Prerequisite: ABTS 1200

ABTS 1250
Office Integrated Project ***(10 hours)***
This is a capstone course in which students extend their word processing, spreadsheet, database, desktop publishing, and presentation software knowledge by completing a variety of practical, integrated projects. Decision-making, prioritizing, and other administrative skills are also developed.
Prerequisite: ABTS 1200, ABTS 1300, ABTS 1530, ABTS 1120, ABTS 1210, ABTS 1240, ABTS 1230, ABTS 1110 or concurrent with ABTS 1110

ABTS 1260
Website Maintenance & Design ***(30 Hours)***
This course provides students with the skills required to complete routine website maintenance and updates. Using a hands-on, practical approach, learners manipulate hypertext markup language (HTML), tags, tables, images, graphics, hyperlinks, special formatting, and forms using text and web authoring programs.
Prerequisite: ABTS 1100, ABTS 1200

ABTS 1300
Business Communications 1 ***(67 Hours)***
Students focus on the correct English usage in a business environment, and are provided a comprehensive review of grammar, punctuation, and style, as well as business spelling and vocabulary development. The course materials are presented in small, easily manageable learning segments.
Prerequisite: ABTS 1550 if taken online

ABTS 1310
Business Communications 2 ***(50 Hours)***
Students learn how to plan, organize, and correctly write effective "reader friendly" business documents appropriate for use in today's global business environment. Students write business letters, memos, reports, and electronic messages.
Prerequisite: ABTS 1300

ABTS 1400
Financial Accounting ***(67 Hours)***
This course provides an introduction to the fundamentals of financial accounting. Topics include the accounting cycle; adjusting entries; accounting for a merchandising business; sales taxes; subsidiary ledgers; cash; bank reconciliation; accounts and notes receivable; inventory; capital assets; current liabilities; long-term liabilities; corporate accounting; cash flow statement; and financial statement analysis.
Prerequisite: Admission to the Administrative Assistant Program

ABTS 1410
Computerized Accounting-Simply Accounting ***(69 Hours)***
Students are introduced to the integrated computerized accounting system using Simply Accounting for Windows. Upon completion, students are able to establish company records; maintain daily transactions using the general ledger, accounts payable, accounts receivable, inventory, and payroll features; and create financial statements. Students begin each chapter with a set of learning objectives and company documents to be recorded. Detailed step-by-step recording procedures along with case problems

are the principal learning activities. Additional materials and resources are available online.
Prerequisite: ABTS 1200 and ABTS 1400 or ABTS 1430

ABTS 1430
Accounting 1 *(60 Hours)*
Students are introduced to manual accounting, with an emphasis on fundamental accounting principles and their application in day-to-day business situations. This course is based on a service business organized as a sole proprietorship. Students practice basic bookkeeping and accounting skills including double-entry general journal entries, posting to the general ledger, preparing a trial balance, recording adjustments in a ten-column worksheet, producing period-end financial statements, closing the temporary accounts, maintaining petty cash, and preparing bank reconciliations.
Prerequisite: ABTS 1550

ABTS 1440
Accounting 2 *(90 Hours)*
This 90-hour course is an intermediate approach to manual accounting, designed to provide students with additional knowledge in common accounting systems including sales, purchases, taxes, inventory, and payroll. The concepts will be presented in the context of a merchandising business. Students examine payroll concepts and principles, tax responsibilities, and annual reporting. Students are also introduced to specialized journals, combined journals, year-end procedures and worksheets, HST/GST/PST, and merchandise inventory. Financial statements are prepared in detail, including a classified balance sheet and an income statement with a cost of goods sold section.
Prerequisite: ABTS 1430

ABTS 1450
Business Math and Calculators *(45 Hours)*
Following current trends in office technology, students are instructed in the touch method of calculator use, and common calculator features. An emphasizes is placed on business problem-solving.
Prerequisite: ABTS 1550

ABTS 1500
Human Relations *(31 Hours)*
Students concentrate on developing the personal and professional development skills required in today's workplace. These skills include self-examination and assessment, development of effective communication skills, interpersonal skills, client relations, teamwork, problem solving, and an understanding of business ethics.
Prerequisite: ABTS 1550 if taken online

ABTS 1510
Job Search *(21 Hours)*
Students are provided with techniques to develop successful job search strategies for today's competitive and changing job market. Topics include self-assessment, employability skill testing, job search strategies and research, using the Internet for job search and career planning, networking, resumes, employment-related communications, application forms, portfolios, and interviews.
Prerequisite: ABTS 1300, ABTS 1100

ABTS 1520
Practicum (Classroom Students Only) *(40 Hours)*
During this 2 week practicum, students are provided the opportunity to apply their skills and knowledge to meet the expectations of an employer in a real work situation. Students observe and learn daily office routines, and assist the host employer by performing tasks as required. Prerequisite: Successful completion of all Applied Business Technology Administrative Assistant courses and a keyboarding speed of 40 wpm.
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ABTS 1530
Administrative Procedures *(40 Hours)*
Today's dynamic office requires that workers demonstrate the ability to communicate effectively, think critically, apply problem-solving skills, and work effectively with other members of the office team. The rapid pace of change demands that office workers have the ability to develop new skills and understand new processes as jobs evolve. In this course, learners master essential organizational skills and develop efficient office practices in preparation for entry into the contemporary office.
Prerequisite: ABTS 1300, ABTS 1100, Keyboarding speed minimum 25 wpm

ABTS 1540
Records Management *(35 Hours)*
The amount of information created and used in an office environment has increased significantly in recent years. Records, which contain all of the daily information necessary to the operation of any business, need to be managed effectively and efficiently. Today, maintaining the integrity of the records system means that all office workers need to be aware of the importance of correct creation, storage, use, retrieval, protection, control, and disposition of records. Technology continues to change the role played by today's office worker. This course provides students with the knowledge, skills, and abilities to face these challenges and new responsibilities in dealing with both manual and electronic files.
Prerequisite: ABTS 1100 and ABTS 1550

ABTS 1550
Online Learner Success *(15 Hours)*
Online Learner Success (OLS) provides online learners with a working knowledge of the program called Desire 2 Learn (D2L). Assignments or activities in the course have been designed to demonstrate the use of various tools in the D2L program.
Prerequisite: Admission to the Online Administrative Assistant or Legal Assistant Program

ACCT 1000
Financial Accounting *3 credits (3,0,0)*
Students learn to maintain the basic financial records of a small business, including the preparation of financial statements. Topics include the accounting cycle, adjusting entries, preparation of financial statements, merchandising accounting, internal control, sales taxes, cash, temporary investments, accounts and notes receivable, inventory, capital assets, current and long-term liabilities, introductory corporate accounting, cash flow statements, and financial statement analysis.
Prerequisite: Admission to the Diploma in Horticulture and Management, Tourism programs, Adventure Studies programs or permission of program advisor.
Exclusion: Students cannot receive credit for more than one of ACCT 1000, ACCT 1030, ACCT 1210/1220 or ACCT 2210.

ACCT 2210
Financial Accounting *3 credits (3,0,0)*
Students develop the skills necessary to prepare and analyze the financial statements of a public corporation. Topics include the conceptual framework; accounting standards; the accounting cycle; financial statements; internal control and bank reconciliations; short-term investments and receivables; inventory; long-term assets including intangibles; liabilities including bonds payable; shareholders' equity, dividends, and share repurchases; comprehensive income and the statement of shareholders' equity; statement of cash flows; and financial statement analysis.
Prerequisite: English 12/ English 12 First Peoples with a minimum of 73% (with the government exam within the last 5 years); or level 5 on the compositions section of the Language Proficiency Index (LPI), with all other categories of the LPI at a minimum of 70% (within the last 2 years); or satisfactory completion of the TRU English Assessment (ACCUPLACER) at the university entrance level; or completion of ENGL 0600 with a grade of C+ or better; or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better.
Exclusion: Students cannot receive credit for more than one of ACCT 1000, ACCT 1030, ACCT 1210/1220 or ACCT 2210.

ACCT 2250
Management Accounting *3 credits (3,0,0)*
Students develop the skills necessary to collect, analyze, and communicate quantitative and non-quantitative information to assist management in making more effective planning and control decisions. Topics include the role of managerial accounting; basic cost management concepts; job, process, hybrid and activity-based costing; cost behaviour and estimation; cost-volume-profit analysis; profit planning and activity-based budgeting; standard costing and flexible budgeting; cost management tools including the balanced scorecard, benchmarking and reengineering; and relevant decision making such as make or buy, special orders, joint products and outsourcing.
Prerequisite: ACCT 1000 or ACCT 1210, ACCT 1220 or ACCT 2210, ENGL 1100, MIST 2610
Exclusion: Students cannot receive credit for more than one of ACCT 1010 or ACCT 2250.

ACCT 3200
Intermediate Financial Accounting 1 *3 credits (3,0,0)*
Students learn to prepare the income statement, statement of retained earnings, and asset side of the statement of financial position. Topics include the Canadian reporting environment; the conceptual framework; the income statement including irregular items and comprehensive income; overview of the statement of financial position and statement of cash flows; revenue recognition; cash and receivables; inventory; long-term and short-term investments; property plant and equipment including depreciation, impairment, and disposition; and intangible assets including impairment and goodwill. Instruction is based on International Financial Reporting Standards.
Prerequisite: ACCT 1000 or ACCT 1210, ACCT 1220 or ACCT 2210 with a grade C+ or better, CMNS 1290

ACCT 3210

Intermediate Financial Accounting 2 ***3 credits (3,0,0)***

Building on ACCT 3200: Intermediate Financial Accounting 1, students learn to prepare the current liabilities, long-term liabilities, and shareholders' equity sections of the statement of financial position and the cash flow statement. Topics include current liabilities and contingencies; long-term liabilities; advanced shareholders' equity; complex financial instruments and earnings per share; income taxes; pensions and other employee future benefits; leases; accounting changes and errors; statement of cash flows; and other measurement and disclosure issues. Instruction is based on International Financial Reporting Standards.

Prerequisite: ACCT 3200

ACCT 3220

Income Taxation 1 ***3 credits (3,0,0)***

Students examine the conceptual structure of the Income Tax Act and the application of its rules to practical situations. Topics include an introduction to federal taxation; procedures and administration; income or loss from office, employment, business, or property; capital cost allowances and cumulative eligible capital; capital gains and losses; other income and deductions; and calculation of taxable income and tax payable for individuals.

Prerequisite: ACCT 1000 or ACCT 1210, ACCT 1220 or ACCT 2210, CMNS 1290

Exclusion: Students cannot receive credit for more than one of ACCT 3220 and ACCT 3260.

ACCT 3230

Income Taxation 2 ***3 credits (3,0,0)***

Building on ACCT 3220: Income Taxation 1, students examine the taxation of corporations, corporate distributions, and transactions between corporations and their shareholders. Topics include an in-depth coverage of taxable capital gains; deferred income plans; and the taxation of corporate entities, partnerships, trusts and corporate reorganizations.

Prerequisite: ACCT 3220 or ACCT 3260

ACCT 3250

Intermediate Management Accounting ***3 credits (3,0,0)***

Building on ACCT 2250: Management Accounting, students further develop their ability to use quantitative and non-quantitative information to make effective planning and control decisions. Topics include an in-depth study of the balanced scorecard and profitability analysis; interdepartmental cost allocation; cost allocation for joint products and byproducts; revenue and customer profitability analysis; process costing including spoilage, rework and scrap; cost management and the theory of constraints; capital budgeting; and transfer pricing and multinational management control systems.

Prerequisite: CMNS 1290 (grade of C+ or better) and ACCT 2250 (grade of C+ or better)

ACCT 3260

Taxation for Decision Making ***3 credits (3,0,0)***

Students analyze the fundamental framework of the Canadian Income Taxation system and its effect on business decision making and financial planning. This course adopts a decision approach to taxation and focuses on the needs of non-accountants. Topics include an introduction to federal taxation; procedures and administration; income or loss from office, employment, business, or property; capital cost allowances and cumulative eligible capital; capital gains and losses; other income and deductions; and calculation of taxable income and tax payable for individuals. Note: Students cannot receive credit for more than one of ACCT 3220 and ACCT 3260

Prerequisite: ACCT 1000 or ACCT 1210, ACCT 1220 or ACCT 2210, CMNS 1290

Exclusion: ACCT 3220

ACCT 4200

Advanced Financial Accounting ***3 credits (3,0,0)***

Building on Intermediate Financial Accounting 1 and 2, students examine a number of complex topics and their effect on financial reporting and disclosure. Topics include the development of accounting standards; temporary and long-term investments in debt and equity securities; business combinations including joint ventures; foreign currency transactions; translation and consolidation of international operations; accounting for not-for-profit organizations; and public sector reporting.

Prerequisite: ACCT 3210

ACCT 4230

Assurance ***3 credits (3,0,0)***

Students evaluate the accuracy of an organization's financial statements using quantitative and non-quantitative techniques to determine if there is a reasonable assurance that the information provided is free from material error. Topics include an introduction to auditing and the public accounting profession; audit process; professional relationships and legal liability; materiality and risk; internal controls, control risk and corporate governance; audit evidence, evidence mix and audit strategy; audit sampling; and application of the audit process. Instruction is based on Generally Accepted Auditing Standards (GAAS).

Prerequisite: ACCT 3210

ACCT 4250

Advanced Management Accounting ***3 credits (3,0,0)***

Building on ACCT 3250: Intermediate Management Accounting, students explore the integrative and interdisciplinary role of management accounting and its contribution to the strategic management process and the provision of quantitative and non-quantitative information for planning, control, and decision making. Topics include management control systems; results controls, action, personnel and cultural controls; control system tightness; control system cost; designing and evaluating management control systems; financial responsibility centers including transfer pricing; planning, and budgeting; incentive systems; financial performance measures; the myopia problem; uncontrollable factors; corporate governance; and ethical issues.

Prerequisite: ACCT 3250

ADVG 1010

The Adventure Tourism Industry ***3 credits (3,0,0)***

This course offers an overview of the tourism industry and the adventure tourism sector. Upon completion of this course, students have a comprehensive understanding of the origins of tourism, the industry today, land management issues, future considerations, the guide's role, career paths, literature review, terminology, and definitions.

Prerequisite: Students must be enrolled in an Adventure Studies department supported program, such as a Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain and Ski Guide Program, or with permission of the instructor.

ADVG 1020

Wilderness Travel ***3 credits (1,2,0)***

Students review the theoretical and practical aspects of wilderness travel and are introduced to the organization of wilderness trips. Course content includes theory related to clothing and equipment, navigation, environmental concerns, travel techniques, route plans and trip planning and a field trip that includes navigation, route selection, group management, pacing, minimum impact camping, and hazard awareness. This course is the prerequisite for most other introductory level ADVG courses.

Prerequisite: Students must be enrolled in an Adventure Studies Department supported program. For example, Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain and Ski

ADVG 1050

Guiding Leadership 1 ***3 credits (3,0,0)***

This course explores the role of leadership as it applies to guiding in the adventure tourism industry. Topics include philosophic approach, qualifications profile, group dynamics, communication skills, leadership styles, problem solving, and decision-making.

Prerequisite: Students must be enrolled in an Adventure Studies Department supported program. For example, Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain and Ski Guide Program, or with permission of the instructor.

ADVG 1110

Emergency Situation, Search and Rescue Management

2 credits (2,0,0)

Students explore the guide's role in emergency situations and search and rescue management. Course content includes identifying hazards, hazard avoidance, managing hazards, emergency situation management, developing response plans, and the BC Provincial Emergency Program Search and Rescue Management Course.

Prerequisite: ADVG 1010 or the permission of the instructor

ADVG 1190

Standard Interpretive Guide ***1 credit*** ***(16 hours)***

This is the standard interpretative guide course offered by the Mountain Parks Heritage Interpretation Association (MPHIA). It is designed for mountain professionals who guide in the mountain national parks of Eastern British Columbia or Western Alberta.

Prerequisite: Students must be enrolled in an Adventure Studies Department supported program: Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 1200

Motorized Guiding Skills ***2 credits (2,0,0)***

This course reviews the theoretical and practical aspects of guiding skills as applied to motorized wilderness travel, and is an introduction to the organization of wilderness day trips and multi-day trips. Course content includes theory related to clothing and equipment, navigation, environmental concerns, travel techniques, route plans, trip

planning, and group management. This course is the prerequisite for most other introductory level courses in the Motorized Adventure Guide Certificate.
Prerequisite: Students must be enrolled in an Adventure Studies supported program or have permission of the instructor.

ADVG 1206
ATV Technical Riding 1
This course focuses on the development of introductory A TV riding skills, pre-ride inspections, starting and stopping, quick tums, hill riding, emergency stopping and swerving, riding over obstacles, hazard assessment, judgment, and environmental impact reduction when riding ATV's on roads and trails.
Prerequisite: Participants must be enrolled in an Adventure Studies Department supported program, or with permission of the instructor.

ADVG 1210
ATV Technical Riding 2 *2 credits (30 Hours)*
This course focuses on the development of intermediate A TV riding skills, advanced riding skills through water, steep hills, winching techniques, casualty evacuation, group management, riding on soft ground, and hazard assessment.
Prerequisite: Participants must be enrolled in an Adventure Studies Department supported program, or with permission of the instructor.

ADVG 1216
Trail Crew *2 credits (30 Hours)*
This course focuses on trail construction and maintenance, chain saw operation, and small engine maintenance.
Prerequisite: Participants must be enrolled in an Adventure Studies Department supported program or have permission of the instructor.

ADVG 1220
Snowmobile Technical Riding 1 & AST 1
2 credits (30 Hours)
This course focuses on personal skill development and group management while on trail systems and low-angle off-trail conditions. Training includes Work Safe BC policy while operating a snowmobile and the Avalanche Skills Training Level (AST) 1 Course. The AST 1 utilizes an entry-level decision making framework for simple avalanche terrain. The certifications attained include AST 1 and Work Safe BC Industrial Snowmobile Operator Course.
Prerequisite: ADVG 2030 or permission of the instructor.

ADVG 1226
Snowmobile Technical Riding 2 *2 credits (30 Hours)*
This course focuses on advanced personal skill development and group management while traveling on a snowmobile in high-angle mountain terrain. The course covers winter hazards; terrain selection, snow conditions for efficient travel on snowmobiles, snow stability evaluation, group interaction and management skills, riding technique and developing sound judgment to ensure safe and enjoyable winter travel.
Prerequisite: ADVG 1220 and/or permission of the instructor. ADVG 2030 and ADVG 1590

ADVG 1270
Leadership and Customer Service *3 credits (3,0,0)*
This course reviews the theoretical and practical aspects of guiding skills as applied to motorized wilderness travel and is an introduction to the organization of wilderness trips. Topics discussed include philosophic approach, qualifications profile, roles and responsibilities, group dynamics, interpersonal communication skills, log books and journals, radios and helicopters, professionalism, and leadership styles.
Prerequisite: Participants must be enrolled in an Adventure Studies Department supported program or have permission of the instructor

ADVG 1276
Business and Marketing for Adventure Operations
3 credits (3,0,0)
This course focuses on business and marketing aspects of an adventure operation. Course participants will investigate corporate structure~, budgeting, creating business growth, land access methods, business income and tax, and business management, along with marketing planning, promotion, advertising, and identification of preferred media strategies. Case studies specific to adventure sports will be used.
Prerequisite: Participants must be enrolled in an Adventure Studies Department supported program or have permission of the instructor

ADVG 1280
Adventure Sport Risk Management *3 credits (3,0,0)*
This course is a survey of legal issues surrounding liability and risk management in adventure sports. Topics include the Canadian legal system, owner liability, guide liability, risk management and mitigation, insurance, legal releases, and the development of risk management plans.
Prerequisite: Participants must be enrolled in an Adventure Studies Department supported program or have permission of the instructor

ADVG 1286
The Motorized Adventure Tourism Industry
This course offers an overview of the fundamental skills, knowledge, and abilities to be successful in the motorized adventure tourism industry. Content includes exploration of the major industry leaders in B.C. and Canada, environmental impacts, and maintaining relations between motorized and other industry sectors and adventure sectors.
Prerequisite: Participants must be enrolled in an Adventure Studies Department supported program or have permission of the instructor

ADVG 1510
Flatwater Canoe Instructor *2 credits (60 Hours)*
This is the CRCA (Canadian Recreational Canoeing Association) Flatwater Instructor certification, and it prepares students for the Moving Water Instructor and Trip Leader courses. The Flatwater Instructor course is to provide a national certification of competence in the instruction and administration of the CRCA flatwater level courses.
Prerequisite: ADVG 1020

ADVG 1530
Kayak 1 *2 credits (60 Hours)*
This is a flatwater and river kayaking skills course in which students explore kayak construction, equipment, rolls, strokes, and rescues.
Prerequisite: ADVG 1020

ADVG 1550
Skiing 1 *2 credits (60 Hours)*
This course is an introduction to downhill ski techniques and equipment. Students participate on telemark and alpine equipment. The purpose is to develop strong downhill skiing techniques in order to reach a maximum efficiency level on variable snow conditions and to progress towards instructor level abilities. CANSI & CSIA teaching progression and techniques are utilized.
Prerequisite: ADVG 1020

ADVG 1560
Ski Tour 1 *2 credits (70 Hours)*
Students are introduced to backcountry ski touring on mountaineering or Nordic equipment. Course content includes backcountry ski equipment, accessory equipment, skiing back-country terrain, route finding, hazard evaluation, and winter camping skills.
Prerequisite: ADVG 1020 and ADVG 1550 or ADVG 2450 or ADVG 2550

ADVG 1570
Rock Climbing 1 *2 credits (70 Hours)*
This is a personal skill development course designed to build a foundation in rock climbing industry standard systems. Areas that are emphasized include hazard management, related communication and movement skills, rope and equipment handling, knots and systems, clean (natural) and fixed protection use, belay systems and anchors, and leading strategies. Students can expect to lead climb on a bolted or gear route by the end of the course. Upon completion of the course the student may be recommended for the ACMG. Climbing gym instructors program.
Prerequisite: ADVG 1020

ADVG 1580
Mountaineering 1 *2 credits (70 Hours)*
This is a mountaineering skill development course which includes mountaineering equipment, mountain safety, belays, anchors, mountaineering techniques, and crevasse rescue.
Prerequisite: ADVG 1020

ADVG 1590
Avalanche Safety for Ski Operations Level 1
2 credits (70 Hours)
This is the Canadian Avalanche Association Level I course which includes avalanche phenomena, terrain analysis, the mountain snowpack, stability and hazard evaluation, data collection, and avalanche rescue.
Prerequisite: ADVG 1020 and ADVG 1560 or permission of the instructor

ADVG 1600
SRT 3: Swiftwater Rescue Technician 1 *2 credits (60 Hours)*
Students develop a comprehensive understanding of river rescue instruction as it pertains to canoes, kayaks, and rafts, hypothermia, and drowning. Students are able to perform rescues in moving water, create improvised rescue and rope system rescues, and participate in numerous rescue simulations.

ADVG 1900
Expedition 1 ***2 credits (70 Hours)***
Students participate in a self-directed expedition planned in conjunction with program instructors, focusing on areas where skill development is desired. This trip may be international in nature.
Prerequisite: Entry to the Adventure Guide Diploma program and ADVG 1020

ADVG 2000
Adventure Guide Practicum ***2 credits (1,0,8)***
The practicurn course provides hands-on experience to enhance the student's academic studies. This is a work experience course that enables students to link theory and practice and consists of a work project undertaken for or in collaboration with a motorized guiding outfit.
Prerequisite: Participants must be enrolled in an Adventure Studies Department supported program or have permission of the instructor. Students who wish to undertake a practicum must first find an organization that is willing to supervise the work. Practicum applications must be received by the Adventure Studies Department at least one month before the practicum placement.

ADVG 2010
The Natural Environment ***3 credits (3,0,0)***
This course studies the natural resource base upon which the adventure tourism industry depends; these include geographic features, mountain geomorphology, geology, fluviology, meteorology, ecology, flora and fauna species identification, nature interpretation and current environmental concerns.
Prerequisite: Students must be enrolled in an Adventure Studies Department supported program: Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 2030
Advanced Wilderness First Aid ***3 credits (80 Hours)***
This is an advanced wilderness emergency response course that provides detailed instruction in wilderness emergency response and pre-hospital care. Course content includes situation assessment, anatomy, physiology, airway management, respiratory emergencies, cardiac arrest, circulation emergencies, burns, eyes, ears, nose, and throat.
Prerequisite: Students must be enrolled in an Adventure Studies Department supported program. For example, Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 2040
Business of Adventure Tourism ***3 credits (3,0,0)***
An in-depth study of adventure tourism as a business. The aspects of corporate structures, administration, budgeting, marketing, creating business growth, land access methods, business income and tac, issues and trends, business plans, and business management will be studied.
Prerequisite: Students must be enrolled in an Adventure Studies Department supported program. For example, Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 2060
Legal Liability & Risk Mngt ***3 credits (3,0,0)***
An in-depth look at the legal issues surrounding liability and risk management in adventure tourism. Includes the Canadian legal system, owner liability, guide liability, risk management and mitigation, insurance, legal releases and the development of risk management plans.
Prerequisite: Students must be enroled in an Adventure Studies Department supported program: Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 2070
Ocean Surfing 1 ***2 credits (50 Hours)***
This is a five day ocean surfing development course intended to introduce students to ocean surfing skills, techniques and instruction in moderate ocean swell conditions.
Prerequisite: ADVG 2460 and ADVG 1600 or permission of the instructor

ADVG 2080
Canadian Association of Snowboard Instructors (CASI) Snowboard Instructor Level 1 ***2 credits (40 Hours)***
This is an entry-level program designed to introduce prospective snowboard instructors to the basic teaching and riding skills used at the beginner and novice levels of riding.
Prerequisite: Students must be able to demonstrate comfortable and safe riding skills on intermediate terrain

ADVG 2140
International Adventure Tourism Business
3 credits (3,0,0)
Conducting adventure business operations in the international environment brings complexities not found in a Canadian-only context. This course is intended to provide a background for operating trips and businesses in foreign countries. Course content includes a philosophy of international operations, product development and marketability, new product locations, managing, logistics, legal issues, environmental scans, assessing political and country risk, and joint venture operations.
Prerequisite: Students must be enrolled in an Adventure Studies Department supported program: Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 2150
International Guiding ***3 credits (3,0,0)***
Guiding in the international environment brings complexities not found in a Canadian-only context. This course is intended to provide a background about guiding in foreign countries. Course content includes: guide certification requirements, land access permit requirements, risk management in the international context, cultural issues, group management, dealing with language issues, health and safety, and developing marketable international guiding skills.
Prerequisite: Admission to the Adventure Diploma.

ADVG 2160
Outdoor Education Plan/Design ***3 credits (3,0,0)***
The planning and design of outdoor education experiences is dependent upon a thorough understanding of outdoor education philosophy, appropriate curriculum development and instructional delivery. This course is intended to provide a background in outdoor education planning and design to outdoor education leaders, teachers and guides. Course content includes: outdoor and adventure education philosophy, foundations of outdoor education, planning and design of outdoor education experiences, route selection, terrain guidelines, curriculum development, and contemporary philosophical issues.
Prerequisite: Students must be enrolled in an Adventure Studies Department supported program: Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain and Ski Guide Program, or with permission of the instructor.

ADVG 2170
Outdoor Education Pedagogy ***3 credits (3,0,0)***
The delivery of outdoor education is dependant upon a thorough understanding of the principles and methods of instruction. This course is intended to provide a background in outdoor education instructional delivery to outdoor education leaders, teachers and guides. Course content includes: outdoor education delivery methodology, instructional techniques for outdoor education activities, group management, decision making, risk management, outdoor education versus adventure education, achieving educational objectives through outdoor activities, and evaluation techniques.
Prerequisite: Students must be enrolled in an Adventure Studies Department supported program: Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 2180
Outdoor Education & the Law ***3 credits (3,0,0)***
Outdoor education blends the various legal requirements of numerous disciplines such as teaching, guiding, interpretation, and adventure sports. This course is intended to provide a background in the legal and risk management elements of these disciplines. Course content includes: impacts of the legal system on outdoor education, contemporary legal issues in outdoor education, public and parental perception and understanding, the law and custodial care groups, standards of care in outdoor education, accident review process, and land access issues.
Prerequisite: Admission to the Adventure Diploma.

ADVG 2200
Climbing Gym Instructor 1 ***1 credit (30 Hours)***
This is an Association of Canadian Mountain Guides certification course. A Climbing Gym Instructor Level 1 can instruct sport climbing based top roping, and basic training and movement skills on climbing structures. The certification does not cover the skills required to instruct protection placement, anchor threads, rappelling, hazard management or other techniques required to safely climb outdoors.
Prerequisite: Students must be enrolled in an Adventure Studies Department supported program: Bachelor of Tourism Management Degree. Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate. Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 2210

Climbing Gym Instructor 2 ***1 credit (30 hours)***

This is an Association of Canadian Mountain Guides certification course. A Climbing Gym Instructor Level II can instruct sport climbing based leading and intermediate movement courses on climbing structures. The certification does not cover the skills required to instruct protection placement, anchor threads, rappelling, hazard management or other techniques required to safely climb outdoors.

Prerequisite: ADVG 2200

ADVG 2220

Climbing Gym Instructor 3 ***1 credit (30 hours)***

This is an Association of Canadian Mountain Guides certification course. A Climbing Gym Instructor Level III can instruct sport climbing based leading and advanced movement courses on climbing structures. In addition, the Level 3 Instructor develops instructional courses and supervises larger climbing programs and instructional staff. The certification does not cover the skills required to instruct protection placement, anchor threads, rappelling, hazard management or other techniques required to safely climb outdoors.

Prerequisite: ADVG 2210

ADVG 2230

Guide Training Skiing Mechanized ***2 credits (70 hours)***

This is the first of two training courses that prepare candidates for the Assistant Ski Guide exam. The course focuses on many of the technical skills required to safely lead ski groups in backcountry mechanized ski operations. Topics covered may include operational decision-making, downhill guiding, record keeping, rope systems (crevasse rescues, cliff rescue), transceiver searches, and snow observation skills. The course includes skills screening, in particular in the area of ski technique.

Prerequisite: ADVG 2030 and ADVG 1590

ADVG 2240

Top Rope Climbing Instructor ***2 credits (50 hours)***

This is a Top Rope Climbing Instructor certification course for those who conduct top rope rock climbing and rappelling programs on simple and easily accessed outdoor terrain. The certification does not include multi-pitch rock climbing or the placement of protection for anchoring or leading.

Prerequisite: ADVG 2200 or permission of the Program Coordinator

ADVG 2260

Ocean Surf 2 ***2 credits (30 hours)***

Students focus on the development of intermediate surf skills, including advanced paddling skills, enhanced wave judgment, proper positioning in the line up, and intermediate wave riding techniques. Additionally, students develop a deeper understanding about the effects wind, weather and swell have on surf conditions.

Prerequisite: ADVG 2640 or ADVG 2070

ADVG 2270

Ocean Surf 3: Surf Instructor ***3 credits (45 hours)***

Students focus on developing their intermediate surfing skills, surf rescue, and the required surf instructional skills leading to Life Saving British Columbia's Bronze Cross and instructor qualifications, recognized by Parks Canada.

Prerequisite: ADVG 2260

ADVG 2280

Alpine Ski Instructor 3 ***2 credits (60 hours)***

This course is the Level 3 Ski Instructor Certification of the Canadian Ski Instructors' Alliance. This course provides training in alpine ski instruction and will provide opportunities for professional ski improvement.

ADVG 2290

Snowboard Instructor 2 ***2 credits (60 hours)***

This course is the Level 2 Snowboard Instructor Certification of the Canadian Association of Snowboard Instructors. This course provides professional training in snowboard instruction and will provide opportunity for professional snowboarding improvement.

Prerequisite: Admission to the Canadian Mountain and Ski Guide Diploma or approval of the program coordinator

ADVG 2330

Alpine Ski Instructor 2 ***2 credits (60 hours)***

The Level 2 Ski Instructor certification represents the second step for Canadian alpine ski instructors. It is continued on from the CSIA Level 1 course, but deals more in depth into modern teaching methods of outdoor sport, more in depth knowledge of ski technique, discussions on customer service, as well as teaching the growing population of seniors. This CSIA Level 2 course will provide certification to those candidates who are successful in achieving the required performance standard. This course provides professional training in alpine ski instruction, and ski technique.

Prerequisite: ADVG 2450

ADVG 2430

Assistant Hiking Guide ***3 credits (80 hours)***

This certification course evaluates candidates according to standards established by the Association of Canadian Mountain Guides. This course is intended for guides who lead clients on day-hikes and multi-day backpacking trips, on established trails and off-trail in wilderness operations. Course content includes navigation, route plans, group management, helicopter use, camping, interpretation, client and hazard management. Assistant hiking guides work with supervision from a hiking, alpine or mountain guide.

Prerequisite: ADVG 2030 for the Canadian Mountain and Ski Guide Diploma ADVG 1020 and for all other programs ADVG 2030

ADVG 2440

Hiking Guide ***2 credits (60 hours)***

This certification course evaluates candidates according to standards established by the Association of Canadian Mountain Guides. This course is intended for guides who intend to lead clients on day-hikes and multi-day backpacking trips, in all types of hiking terrain, and without supervision. Candidates are expected to demonstrate advanced skills in route finding, advanced navigation, hazard management, camp management, trip planning leadership, environmental ethics, and client care in a multi-day scenario.

Prerequisite: ADVG 2430

ADVG 2450

Alpine Ski Instructor 1 ***2 credits (60 hours)***

This course represents the first level of instruction for Canadian alpine ski instructors. This CSIA (Canadian Ski Instructor Alliance) Level 1 course offers certification to those candidates who are successful in achieving the required performance standard. Students are provided professional training in alpine ski instruction, in addition to having an opportunity for personal ski improvement.

Prerequisite: Students must be enrolled in an Adventure Studies Department supported program: Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 2460

Swiftwater Rope Rescue ***2 credits (60 hours)***

Students gain a comprehensive understanding of rope systems as applied to the moving water environment. The course is structured parallel to the Provincial Emergency Program Rope Rescue Team Member course, however, it is intended for participants from paddling backgrounds, and is required prior to entry into the Swiftwater Rescue Instructor course. Students become proficient at rope handling skills and principles and communication on the river. Students set up rescue anchors, belays for multi-person loads, lowering and raising systems, patient and stretcher ties and attachments, recovering vessels, and highline systems and telfers. Students alos participate in numerous rescue simulations.

Prerequisite: ADVG 1110 and ADVG 1570 and ADVG 2030 and ADVG 2730

ADVG 2470

Freestyle Kayaking ***2 credits (60 hours)***

Students develop whitewater kayak playboating skills and practice the latest freestyle maneuvers and techniques developed in paddle sports.

Prerequisite: ADVG 2490 and ADVG 1600 or permission of the instructor

ADVG 2490

Kayak 2 ***2 credits (60 hours)***

This white water skill development course is intended to prepare students for the Level 1 Flatwater instructor course through Canoe Kayak British Columbia.

Prerequisite: ADVG 1530 or permission of the instructor

ADVG 2510

Moving Water Canoe Instructor ***2 credits (60 hours)***

Students are taught advanced moving water canoeing skills, required for the Canadian Recreational Canoe Association Moving Water Instructor Certificate. Course content includes river hydraulics, advanced strokes, and advanced paddling.

Prerequisite: ADVG 1510

ADVG 2520

Canoe Trip Leader ***2 credits (60 hours)***

Canoe tripping skills leading to the Canadian Recreational Canoe Association Trip Leader Certificate. Canoe tripping, trip planning, trip experience.

Prerequisite: ADVG 2510

ADVG 2530

Kayak 3 ***2 credits (60 hours)***

Upon completion of this course, students have developed advanced whitewater kayaking and leadership skills. Students participate in the Level 1 Flatwater Kayak

Instructor Certification course through Canoe Kayak British Columbia leading to the Assistant River Kayak.
Prerequisite: ADVG 2490

ADVG 2540
Kayak 4: Senior River Kayak Instructor *2 credits (60 hours)*
Students gain in-depth whitewater kayaking instructional skills. Students participate in the Level 2 and/or Level 3 Whitewater Kayak Instructor and Leader Certification Course through Canoe Kayak British Columbia.
Prerequisite: ADVG 1600 and ADVG 2530

ADVG 2550
Telemark Ski Instructor 1 *2 credits (60 hours)*
This course offers instruction in nordic skiing, and leads to the CANSI Telemark Instructor Level 1 Certificate. Course content includes advanced Nordic downhill techniques and teaching skills.
Prerequisite: Students must be enrolled in an Adventure Studies Department supported program: Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 2570
Ski Tour 2 *2 credits (70 hours)*
Students are instructed in advanced backcountry skiing, route finding, evacuations, ski tour guiding, and methods for teaching backcountry skiing.
Prerequisite: ADVG 2030 and ADVG 1560 and ADVG 1590

ADVG 2580
Guide Training Skiing-Touring *2 credits (70 hours)*
Continuing from ADVG 2230: Guide Training Skiing – Mechanized, this is the second of two training courses that prepare guide candidates for the Assistant Ski Guide Exam. This course introduces professional standards common to ski tour guiding including information gathering and hazard management; guiding and professionalism; trip planning and use of options; terrain use; uphill and downhill guiding techniques; client care; overnight travel; glacier travel techniques; and small and large group management. Participants are screened in advanced backcountry ski techniques.
Prerequisite: ADVG 2230

ADVG 2590
Guide Training – Rock *3 credits (80 hours)*
This is the first course in the Rock Guide program and the recommended entry point for students intending to complete the Mountain Guide Certificate or Diploma. Course content includes a variety of technical guide applications common to rock, ski or alpine guiding, such as professionalism and guiding; equipment common to guides; preparation and planning a trip; climbing systems for guiding; descent systems; and improvised rescue systems.
Prerequisite: Canadian Mountain & Ski Guide Diploma requires ADVG 2030. All other programs require ADVG 1570, ADVG 1580, ADVG 2030

ADVG 2610
Apprentice Rock Guide *3 credits (80 hours)*
This certification course evaluates candidates according to standards established by the Association of Canadian Mountain Guides. This course involves evaluating and coaching guiding techniques, while simulating a guide-client relationship on long, multi-pitch rock routes and sport-climbs, and requires a high level of rock climbing proficiency. Students also demonstrate field and classroom teaching techniques. This is the required course to work as an apprentice guide in rock terrain.
Prerequisite: ADVG 2590

ADVG 2620
Rope Rescue *2 credits (60 hours)*
This is the B.C. Provincial Emergency Program Team Member course. Course content includes rope rescue systems, belays, lowers, raises, knot passing, rescue environments, and rescue simulations.
Prerequisite: ADVG 2590 or ADVG 2800

ADVG 2630
Rope Rescue Team Leader *2 credits (60 hours)*
This is the B.C. Provincial Emergency Program Rope Rescue Team Leader course. Course content includes advanced rope rescue techniques and rope rescue team leadership.
Prerequisite: ADVG 2620

ADVG 2640
Sea Kayaking 1 *2 credits (60 hours)*
Upon completion of this course, students gain an understanding of sea kayaking techniques and the ocean environment, tides, ocean flora and fauna, sea kayak equipment, and ocean safety. Students perform rescues, navigate in a variety of ocean environments, and execute various guiding techniques.
Prerequisite: ADVG 1020 and ADVG 1530

ADVG 2650
Sea Kayaking 2 *2 credits (60 hours)*
Upon completion of this course, students perform advanced sea kayaking instruction, understand guiding leadership and leadership criteria, talk knowledgeably about ocean safety, execute complicated ocean rescues, and are able to plan an extended overnight trip. Students participate in the Association of Sea Kayak Guides Assistant Guide Exam.
Prerequisite: ADVG 2640

ADVG 2660
River Rafting 1 *2 credits (60 hours)*
Upon completion of this course, students are able to safely operate paddle and oar-powered river rafts in Class 2 and 3 rapids. The skills and knowledge of legislated standards required for commerical guides in British Columbia are acquired during the course. Students become proficient in all three types of craft (paddle, oar and motor), allowing students to gain an overall perspective of the raft guiding industry.
Prerequisite: ADVG 1600 and ADVG 1530

ADVG 2690
Elective Activity *2 credits (60 hours)*
As approved by the Adventure Travel Guide Diploma Coordinator, students may receive credit for participation in additional adventure activity courses not taught within the Adventure Guide Diploma. Courses must be recognized training programs to receive consideration.
Prerequisite: Permission of the Department Chair

ADVG 2700
Open Water Diver *2 credits (60 hours)*
This is the entry level NASDS (National Association of Scuba Diving) Open Water Scuba Diving certification program. Enables the participant to go sport diving anywhere in the world.
Prerequisite: ADVG 1020 or equivalent

ADVG 2730
Swiftwater Rescue Technician 4: Swiftwater Rescue Specialist *2 credits (60 hours)*
This is the Swiftwater Rescue Technician 2 course which includes low and high angle rope applications; night SAR operations in river canyons; use of advanced techniques such as live bait rescues in steep creeks; and use of advanced equipment (including helicopters and self-bailing rafts).
Prerequisite: ADVG 1600

ADVG 2750
River Rafting 2 *2 credits (60 hours)*
Students are provided the required river rafting instruction, leading up to the River Rafting Guide Examination. Course content includes rafting equipment, maintenance, paddle rafts, oar rafts, case studies, raft management, and guest management.
Prerequisite: ADVG 2660

ADVG 2760
Ice Climbing *2 credits (60 hours)*
This course includes ice climbing techniques for both waterfall ice and mountaineering. Topics include systems for leading, anchors, and steep ice techniques.
Prerequisite: ADVG 1570 or with permission of the instructor

ADVG 2770
Adventure Sports Photography *2 credits (60 hours)*
This course is intended as a digital photography course for guides, with an emphasis on photo composition and the application of photography to the context of guiding businesses. There is an increased demand for the use of quality photography within company brochures, magazine articles, trade shows and self-promotion within the adventure tourism industry. It is imperative that guides are able to understand what makes a quality photograph, how to take quality photographs, how to repair personal and guest equipment in the field, and how to use photographs for promotion purposes.
Prerequisite: Students must be enrolled in an Adventure Studies Department supported program: Bachelor of Tourism Management Degree, Adventure Guide Diploma, Adventure Management Diploma, Adventure Sport Certificate, Canadian Mountain & Ski Guide Program, or with permission of the instructor.

ADVG 2790
Ski Tour 3 *2 credits (60 hours)*
This course is an advanced ski tour guiding course on nordic or randonée equipment, for students who do not meet the prerequisite requirements for the Guide

Training for Skiers courses. Course content includes guiding ski tours; terrain assessment; snow stability assessment; route finding; track-setting; decision making; and hazard management.
Prerequisite: ADVG 2570 and ADVG 2810 or ADVG 2600

ADVG 2800
Rock Climbing 2 *2 credits (70 hours)*

This is an introduction to multi-pitch gear climbing. It is designed to introduce competent rock climbers to industry-standard multi-pitch climbing and descending systems. Students participate in a non-threatening learning environment, flexible enough to meet the needs of a variety of individuals, and structured to provide a progression of skills and concepts that build on each other in a logical sequence. Upon completion of the course students may be recommended to enroll in the ACMG's Top Rope Instructor certification course.
Prerequisite: ADVG 1570 and students must demonstrate an ability to rock climb at an intermediate level

ADVG 2810
Mountaineering 2 *2 credits (70 hours)*

This is a skill development course in alpine climbing techniques. Students travel in simple to moderate alpine terrain, conducting peaks ascents of semi-technical and technical routes. This course involves multi-pitch climbing on rock, snow, ice, and mixed terrain.
Prerequisite: ADVG 1570 and intermediate rock climbing ability (comfortable in multi-pitch scenarios) and ADVG 1580 and intermediate mountaineering experience (minimum 5 alpine days after ADVG 1580)

ADVG 2820
Apprentice Ski Guide *3 credits (80 hours)*

This certification course evaluates candidates according to standards established by the Association of Canadian Mountain Guides. The course involves evaluating and coaching guiding techniques, while simulating a guide-client relationship and managing winter and avalanche hazards, as well as route selection, information gathering, decision making, and uphill and downhill tracksetting. The course demands a high level of proficiency in backcountry skiing or snowboarding in mountainous and glaciated terrain. This course is an apprentice guide standard recognized by HeliCat Canada and the Backcountry Lodges of British Columbia Association.
Prerequisite: ADVG 2230 and ADVG 2580

ADVG 2830
International Expedition Planning and Leadership
3 credits (3,0,0)

This course is concerned with the planning and leadership of international adventure expeditions. Aspects of expedition planning include identification and research of international expeditions; planning timelines and implementation schedules; permit acquisition; sponsorship; socio-political considerations; leadership; training; legal implications; food and equipment acquisitions; cargo shipping; and local ground handling. Students also explore cultural considerations surrounding guiding and leading expeditions in an international setting. Topics include examining the impact of international expeditions on culture, minimizing the cultural impact of international expeditions, cultural considerations of foreign guiding, and stewardship and global citizenship.
Prerequisite: ADVG 1050 or equivalent

ADVG 2840
Coastal Sail Cruising 1 *2 credits (60 hours)*

This course is an introduction to coastal sail cruising. Students explore interrelation of cruising with other aspects of coastal adventure tourism. The course is taught in accordance with the Canadian Yachting Association Basic Cruising Standard and is concerned with developing competent coastal sailing skills.
Prerequisite: ADVG 1020 or equivalent

ADVG 2850
Instructional Skills Workshop *3 credits (0,3,0)*

The Instructional Skill Workshop (IWS) is a laboratory approach to the improvement of the teaching and learning process. Participants review basic ideas about teaching, check current practices, and within the safe environment of the workshop, try new strategies and techniques.
Prerequisite: ADVG 1050

ADVG 2860
Ski Guide *3 credits (80 hours)*

This certification course evaluates candidates according to standards established by the Association of Canadian Mountain Guides. Candidates demonstrate the ability to gather information, choose appropriate terrain, and manage hazards in remote, glaciated mountain terrain. Topics also include client care, group management, and conduct of guides meetings. A high level of proficiency in backcountry skiing or snowboarding is required. This course is the 'lead guide' standard recognized by HeliCat Canada and the Backcountry Lodges of British Columbia Association.
Prerequisite: ADVG 2820 and ADVG 2910, ADVG 2960

ADVG 2870
Rock Guide *3 credits (80 hours)*

This certification course evaluates candidates to standards established by the Association of Canadian Mountain Guides. Candidates demonstrate a high level of rock climbing proficiency and applied guide techniques on long multi-pitch routes and sport-climbs. Additional topics include advanced, improvised, rescue techniques in high angle settings. This certification is the 'lead' guide standard for rock climbing operations.
Prerequisite: ADVG 2610

ADVG 2880
Apprentice Alpine Guide *3 credits (100 hours)*

This certification course evaluates candidates to standards established by the Association of Canadian Mountain Guides. Candidates are assessed in alpine guiding techniques in a wide variety of mountain terrain and conditions, including client management on rock, snow and ice; advanced navigation; glacier travel; risk management; decision-making; and use of options. A high level of fitness is required. This course is the standard for working as an apprentice guide in mountaineering and climbing operations.
Prerequisite: ADVG 2310 and ADVG 2600

ADVG 2890
Alpine Guide *3 credits (100 hours)*

This certification course evaluates candidates according to standards established by the Association of Canadian Mountain Guides. Candidates demonstrate a high level of proficiency climbing on alpine rock, ice, snow and glaciers, as well as the ability to manage clients and hazards in a wide variety of alpine terrain. This certification is the 'lead' guide standard for mountaineering and climbing operations.
Prerequisite: ADVG 2880 and ADVG 2910

ADVG 2900
Expedition 2 *2 credits (60 hours)*

Students engage in a self-directed, 3-4 week expedition which must be a significant achievement, and may be international in nature.
Prerequisite: Admission to the Adventure Guide Diploma and a minimum of 50 completed program credits

ADVG 2930
Rock Climbing 3 *2 credits (70 Field Experience)*

This is a preparation course for The Association of Canadian Mountain Guides - Guide Training Rock course. It is designed to introduce advanced rock climbers to professional guiding skills. Students are coached and instructed in order to attain entry-level guiding, standard rope management, technical systems, movement, and high angle rope rescue skills. Students receive feedback upon completion of the course as to their competency to proceed to the ADMG Guide Training Rock course.
Prerequisite: ADVG 2800 and advanced rock climbing skills

ADVG 2940
Mountaineering 3 *2 credits (70 hours)*

This is a pre-course, to prepare candidates for entry in the Association of Canadian Mountain Guides - Guide Training Alpine course, designed to teach professional guiding skills to competent climbers and mountaineers. The course is meant to be taught in a non-threatening learning environment, flexible enough to meet the needs of a variety of individuals, and structured to provide a progression of skills and concepts that build on each other in a logical sequence.
Prerequisite: ADVG 2930 and with advanced climbing skills ADVG 2810,with intermediate mountaineering experience (a minimum of 5 days of alpine climbing after ADVG 2810)

ADVG 3110
Adventure Activities *3 credits (1,0,4)*

This course offers practical exposure to the planning and participation in a selection of adventure sports. Students are introduced to adventure sports by participating in activities such as whitewater kayaking, rock and ice climbing, sea kayaking and skiing; activities may change from year to year. Additional topics are discussed, such as trip preparation, and safety and leadership styles. While most of the group and technical equipment are provided, students are required to provide their own clothing and equipment, and participate in at least one weekend field trip and a number of evening instructional sessions. This course acts as a prerequisite to upper-level ADVG courses for students who may not have completed lower-level activity courses.
Prerequisite: 2nd year standing in a TRU academic program and Permission of the instructor.

ADVG 3130
Adventure Operations ***3 credits (3,0,0)***
This course is an introduction to the planning of adventure activities and the operation of various types of adventure programs. Students gain practical knowledge by developing and planning an adventure activity, and discussing the principles of implementation. The course provides an overview of the day-to-day tasks, roles and responsibilities of operating adventure programs, and explores trends and issues that affect the management of adventure operations.
Corequisite: ADVG 3110 or equivalent

ADVG 3200
Adventure Sport and Tourism ***3 credits (3,0,0)***
Adventure sport and adventure tourism are terms used to describe a wide variety of activities - from bungee jumps to commercial ski trips to the South Pole. This course provides a survey of the adventure sport and adventure tourism industry; its philosophical foundations; adventure in contemporary society; the interrelationship of adventure in leisure, recreation, tourism, and extreme sports; and career paths.
Prerequisite: 3rd year standing

ADVG 4010
Business Applications for Eco and Adventure Tourism Management ***3 credits (3,0,0)***
This course is the study of applied business concepts and practices pertaining to the management and marketing of eco and adventure tourism operations. The course examines tourism strategic management, business start-up considerations, product positioning, tourism opportunity studies, tourism consulting, innovative pricing methods, and product development.
Prerequisite: 3rd year standing and ADVG 3130 or instructor's permission

ADVG 4020
Legal Liability and Risk Management for Eco and Adventure Businesses ***3 credits (3,0,0)***
This course is the study of risk management and law pertinent to the management and delivery of adventure tourism operations. The course examines legal liability concepts, waivers, case law, risk management practices, insurance and post-incident strategies.
Prerequisite: 3rd year standing and ADVG 2060 or TMGT 2250 or BLAW 2910 or instructor's permission

ADVG 4030
Contemporary Perspectives in the Eco and Adventure Industry
3 credits (3,0,0)
This course is the study of contemporary issues pertaining to the management of eco and adventure tourism. Although topics may vary depending upon current issues and trends, it is expected that the course will examine the effect of socio-political changes to tourism, the commodification of eco tourism, advnture racing, sexual exploitation in tourism, and the philosophical implications of serch and rescue and technology to the eco and adventure experience.
Prerequisite: ADVG 4030 (or equivalent) or instructor's permission

ADVG 4040
Programming Experiential Activities ***3 credits (3,0,0)***
This course is the study of the design, development, and implementation of experiences to clients of eco and adventure tourism. This course examines the programming process, eco and adventure experience sequencing, corporate team building, program customization, and risk perceptions.
Prerequisite: ADVG 3130 (or equivalent) or instructor's permission

ADVG 4050
International Adventure Tourism Business
3 credits (3,0,0)
This course is intended to provide an overview of international adventure tourism business development and management. Topics will include development theory, globalization, factors that affect international business development, colonialism and foreign aid, international tourism finance, global trade in services, the affect of women's rights on production and development, and numerous case studies.
Prerequisite: ADVG 3130 (or equivalent) or instructor's permission

ADVG 4070
Directed Studies in Adventure ***3 credits (0,3,0)***
This course is designed to allow students the opportunity to investigate a specific field or topic in Nature-based or Adventure Tourism. Consultation with, and permission of, a Bachelor of Tourism Management faculty member and the Associate Dean is required. This means that the course is self-directed but the student must consult with and meet the requirements of a faculty member for the project.
Prerequisite: Students must have completed at least fifteen 4000-level ADVG credits before applying for this course. Adventure Studies Department Chair and Dean permission required

ADVG 4080
Graduating Seminar ***3 credits (0,3,0)***
This course teaches research methodology by involving students in a project of their choice. The course is in seminar format and each student designs and completes a project within the semester. Selected readings provide the foundation for student contribution to class discussion, and to the development of their project.
Prerequisite: 4th year standing or permission of the instructor

ADVG 4090
Nature and Community-based Development
3 credits (3,0,0)
Students explore community-based adventure tourism, including policy, planning, and development. International tourism managers must understand sustainability; community development; how tourism is used to promote conservation; and how to involve local populations in the development decision-making process. While community-based tourism concepts are finding their way into North American tourism, this course concerns itself primarily with issues facing developing countries and lessons that may be brought to North American operations. Topics include tourism and community development; the creation of tourism opportunity and development strategies; the role of consultants and non-governmental organizations; sustainable tourism development; social impact assessment; community tourism assessment; pro-poor tourism development; achieving global competitiveness; community-based tourism for conservation; and the importance of including women in community development. Students examine numerous case studies and applications.
Prerequisite: 3rd year standing

ADVG 4100
Adventure Field School – International ***6 credits (0,0,12)***
This course is a 4-6 week field school to study adventure development, policy, planning, and operations in an international setting. Students use this field experience as a basis for the application of theoretical principles learned in the classroom to practical field work. The development and operation of international adventure and nature-based tourism requires extensive first-hand experience in an area. This course is intended to facilitate students' travel to an international region in order to study adventure and nature-based tourism product and business opportunities, and community development.
Prerequisite: 3rd year standing

ADVG 4110
Adventure Field School – International ***3 credits (0,0,6)***
This course is a three-credit 2-3 week field school to study adventure development, policy, planning and operations in an international setting. Students use this field experience as a basis for the application of theoretical principles learned in the classroom to practical field work. The development and operation of international adventure and nature-based tourism requires extensive first-hand experience in the local area. This course facilitates students' travel to an international region in order to study adventure and nature-based tourism product and business opportunities, and community development.
Prerequisite: 3rd year standing and permission of the instructor

ADVG 4120
Adventure Field School – Canada ***6 credits (90 Hours)***
This is a six-credit, 4-6 week field school to study adventure development, policy, planning and operations in a Canadian setting. Students use this field experience as a basis for the application of theoretical principles learned in the classroom to practical field work. The development and operation of adventure and nature-based tourism requires extensive first-hand experience in an area. This course facilitates students' travel to a region within Canada in order to study adventure and nature-based tourism product and business opportunities, and community development.
Prerequisite: 3rd year standing

ADVG 4130
Adventure Field School – Canada ***3 credits (45 Hours)***
This is a three-credit, 2-3 week field school to study adventure development, policy, planning, and operations in a Canadian setting. Students use this field experience as a basis for the application of theoretical principles learned in the classroom to practical field work. The development and operation of adventure and nature-based tourism requires extensive first-hand experience in an area. This course facilitates students' travel to a region within Canada in order to study adventure and nature-based tourism product and business opportunities, and community development.
Prerequisite: 3rd year standing

ADVG 4140
Community Capacity Building ***3 credits (3,0,0)***

Students explore the socio-economic notion of nature-based activities and toursim as a mechanism for community development. While identifying and exploring possible community recreation and tourism opportunities, students analyze the benefits, costs (monetary and social), and facilitative models for ensuring community capacity building, towards sustainability and project buy-in.
Prerequisite: 3rd year standing

ADVG 4160
Tour Operations *3 credits (3,0,0)*

Students explore the operation of tours to domestic and international destinations. The complexities, challenges and realities of planning, organizing, and operating tours with clients are discussed.
Prerequisite: 3rd year standing

ADVG 4200
Recreation & Tourism Management *3 credits (3,0,0)*

The theory and practice of managing natural resource based recreation and tourism. This course will consider natural resource based recreation and tourism from social, economic, business and resource management perspectives. It will provide an introduction to the foundations of recreation and tourism in modern society, including resource management impacts on recreation and tourism, principles of recreation systems planning, and administration and management of natural resource based recreation and tourism businesses. It includes extensive use of case studies and current issue topics.
Prerequisite: Third-year standing in the BNRS program

ADVG 4210
Adventure and Sport Marketing *3 credits (3,0,0)*

Students focus on the unique marketing attributes of the adventure and sport product. The course offers an advanced and integrative approach to the study of adventure and sports marketing mix and promotion, and centres on marketing planning, identification of preferred media strategies, and the design of targeted marketing products.
Prerequisite: 3rd year standing

ADVG 4220
The Culture of Adventure *3 credits (3,0,0)*

Adventure activities have a long-standing culture that is important to understand in the context of contemporary use. As adventure activities become socialized within North America, its origins become an important context for its future development. Students explore adventure philosophy, history, literature, art, stories, mythology, values, mentors, evolution, and contemporary applications.
Prerequisite: 3rd year standing

ADVG 4230
Consulting in Adventure *3 credits (3,0,0)*

This course is the study of consulting in adventure. Topics will include the consulting process, the role of consultants, consulting opportunities, responding to requests for proposals, proposal scoring and rating systems, consulting skills, budgeting, pricing consulting services, and case studies. Students will be expected to carry out a consulting project of their own choosing as part of this course.
Prerequisite: ADVG 4010 or instructor's permission

ADVG 4240
Adventure Studies Field Research *3 credits (1,0,11)*

Students conduct in-depth, hands-on field research, develop their findings, and incorporate them into their program of adventure study. The course is participatory in nature and is designed to stimulate inquiry and active learning. The process helps students to connect conceptual material to case study, learn field research techniques, collect and analyze field data, and develop holistic and critical thinking skills.
Prerequisite: 3rd year standing

ADVG 4250
Adventure Studies Practicum *3 credits (1,0,9P)*

This course provides hands-on experience to enhance students' academic studies. This is a work experience course that enables students to link theory and practice and consists of a work project undertaken for, or in collaboration with, an organization, most typically a business, association or community.
Prerequisite: 3rd year standing Students who wish to undertake a practicum must first find an organization that is willing to supervise their work. Practicum applications must be received by the Adventure Studies Department at least one full semester prior to the placement.

ADVG 4800
Adventure Capstone Course *3 credits (3,0,0)*

This capstone course investigates contemporary adventure and sport issues, and aims to prepare students as future leaders in business and community development. Topics include ongoing personal and professional development, navigating through current industry trends, graduate school expectations, and vocational issues. Through readings and class discussions, students formulate a personal written philosophy, articulating their vision and mission as professionals in the field of adventure and sport.
Prerequisite: 4th year standing. This course should be taken in the last year of a student's program

AGSC 2100
Introduction to Food Production Systems
3 credits (3,2,0)

This course is a study of the fundamental concepts and principles of food production systems. Students survey a range of agricultural systems using global, North American, Canadian, and B.C. examples. Students discover how agriculture interacts with natural ecosystems and other land uses. Required field trips are an integral part of the course, and some weekend trips are mandatory.
Exclusion: Students cannot receive credit for both AGSC 2100 and AGSC 2200

AGSC 2200
Food Systems at a Local Level and Beyond
3 credits (4,0,0)

Students are introduced to agriculture and food systems, focusing on the local level but including information on global systems. Topics of discussion include agriculture, local food production, food security and food policy, sustainability, commercialization, and globalization. Case studies and projects are used to help students apply concepts learned during lecture, and to develop critical thinking, problem solving, communication, and conflict resolution skills.
Exclusion: Students cannot receive credit for both AGSC 2100 and AGSC 2200

ANHD 1010
Veterinary Office Skills *3 credits*

Students are instructed in the skills required for the successful performance of veterinary receptionist duties. These include veterinary terminology, use of veterinary software packages, client service, veterinary office management, and inventory management. Students also consider the ethics of veterinary practice as it pertains to drug dispensing, veterinary-client-patient relationships and client-patient records.
Prerequisite: Acceptance into the TRU Animal Health Technology Distance Education (AHTDE) program.

ANHD 1100
Anatomy and Physiology 1 - *3 credits*

This is the first of two anatomy and physiology courses concerned with domestic animals. The course emphasizes clinically relevant material for the Animal Health Technician student.
Prerequisite: Acceptance into the TRU Animal Health Technology Distance Education (AHTDE) program.

ANHD 1110
Veterinary Parasitology *3 credits*

This laboratory course focuses on parasitology for the animal health technologist. The theoretical and practical aspects of veterinary parasitology are emphasized. Students examine internal and external parasites of small and large animals. Topics include life cycles of parasites, diagnostics and identification, and general parasite prevention and treatment. Students are also acquainted with the handling and submission of various types of laboratory samples and introduced to basic microscopy.
Prerequisite: ANHD 1120 and ANHD 1130 with a minimum grade of C

ANHD 1120
Animal Nursing 1 *3 credits (3,0,0)*

This is the first of three Animal Nursing courses concerned with small companion animals. Students focus on the day-to-day technical procedures and nursing care performed by an animal health technologist in a veterinary clinic.
Prerequisite: ANHD 1010 and ANHD 1100 with a minimum grade of C

ANHD 1130
Animal Behaviour *3 credits (3,0,0)*

Animal behaviour is a growing field in veterinary medicine. Animal Health Technology Distance Education (AHTDE) students are provided with the skills required to confidently approach animal behaviour issues and strategies. Topics include training methods, behaviour problems, and animal temperament assessment. The course emphasizes the role of the animal health technologist in offering animal behaviour counseling in a small animal veterinary practice setting.
Prerequisite: ANHD 1010 and ANHD 1100 with a minimum grade of C

ANHD 1210
Veterinary Microbiology *3 credits (3,0,0)*

Students are introduced to the information, terminology, and techniques that are the basis of veterinary microbiology. Topics include microbial anatomy and physiology;

sterilization and disinfection; aseptic techniques; antimicrobial susceptibility testing; mycology; atypical prokaryotic pathogens; virology; and the basic theory and application of laboratory methods to identify common veterinary pathogens.
Prerequisite: ANHD 1120 and ANHD 1130 with a minimum grade of C

ANHD 1900
Veterinary Clinical Studies 1 *5 credits*
Veterinary Clinical Studies is a sequence of courses in the Animal Health Technology Distance Education program in which students are required to complete a minimum of 20 hours of employed clinical work per week to obtain credit. Each course corresponds with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into Semester 1 of the TRU Animal Health Technology Distance Education program

ANHD 1910
Veterinary Clinical Studies 2 *5 credits*
Veterinary Clinical Studies is a sequence of courses in the Animal Health Technology Distance Education program in which students are required to complete a minimum of 20 hours of employed clinical work per week to obtain credit. Each course corresponds with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into Semester 2 of the Animal Health Technology Distance Education program

ANHD 1920
Veterinary Clinical Studies 3 *5 credits*
Veterinary Clinical Studies is a sequence of courses in the Animal Health Technology Distance Education program in which students are required to complete a minimum of 20 hours of employed clinical work per week to obtain credit. Each course corresponds with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into Semester 3 of the TRU Animal Health Technology Distance Education program

ANHD 2100
Anatomy and Physiology 2 *3 credits*
Continuing from ANHD 1100: Anatomy and Physiology 1, students focus on internal body systems in domestic animals, in addition to avian anatomy and physiology.
Prerequisite: ANHD 2110 and ANHD 2150 with a minimum grade of C

ANHD 2110
Veterinary Hematology *3 credits*
In this laboratory course, students focus on veterinary hematology for the animal health technologist. The theoretical and practical aspects of veterinary hematology are discussed, while students are introduced to the life cycle and roles of blood cells, and the basics of coagulation. Topics include the preparation of blood films, the ability to perform complete blood counts, the analysis of blood cells (normal and abnormal), hematologic mathematical calculations, and the familiarization of the variety of available blood tests.
Prerequisite: ANHD 1110 and ANHD 1210 with a minimum grade of C

ANHD 2120
Animal Nursing 2 *3 credits*
Continuing from ANHD 1120: Animal Nursing 1, students focus on developing their advanced nursing skills, including surgical assistance.
Prerequisite: ANHD 2110 and ANHD 2150 with a minimum grade of C

ANHD 2130
Radiology *3 credits*
This course is a combination of theory and practical application that enables students to understand and apply the basic principles of veterinary radiography. Hands-on clinical work familiarizes students with the proper preparation and positioning of companion animals for routine radiological studies. The course also includes basic equine radiographic positioning, dental radiography, technical errors, basics of ultrasonography, formulating technique charts, and contrast radiography. The importance of radiographic safety is stressed throughout the course.
Prerequisite: ANHD 2100 and ANHD 2120 with a minimum grade of C

ANHD 2140
Pharmacology and Laboratory Mathematics *3 credits*
This course instructs students on the basic pharmacology and the commonly used classes of veterinary drugs. The laws and regulations that accompany the privilege of prescribing and dispensing drugs are considered. Students also discuss the major classes of drugs, with examples in each category, along with the mathematical principles and techniques used in their field of work. The emphasis is on accurately calculating dosages, including continuous intravenous infusion and dilution of solutions.
Prerequisite: ANHD 2100 and ANHD 2120 with a minimum grade of C

ANHD 2150
Immunology and Animal Diseases *3 credits*
Students begin with a study of the immunological basis of disease and progress to common disease syndromes encountered in companion and food producing animals. Topics include the immune response; inflammation; common immunological tests; the theory of vaccination and vaccination protocols; neonatal and geriatric considerations; the role of stress, nutrition and the environment in disease; and specific disease syndromes.
Prerequisite: ANHD 1110 and ANHD 1210 with a minimum grade of C

ANHD 2900
Veterinary Clinical Studies 4 *5 credits*
Veterinary Clinical Studies is a sequence of courses in the Animal Health Technology Distance Education program in which students are required to complete a minimum of 20 hours of employed clinical work per week to obtain credit. Each course corresponds with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into Semester 4 of the TRU Animal Health Technology Distance Education Program

ANHD 2910
Veterinary Clinical Studies 5 *5 credits*
Veterinary Clinical Studies is a sequence of courses in the Animal Health Technology Distance Education program in which students are required to complete a minimum of 20 hours of employed clinical work per week to obtain credit. Each course corresponds with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into Semester 5 of the TRU Animal Health Technology Distance Education program

ANHD 2920
Veterinary Clinical Studies 6 *5 credits (300 hours)*
Veterinary Clinical Studies is a sequence of courses in the Animal Health Technology Distance Education program in which students are required to complete a minimum of 20 hours of employed clinical work per week to obtain credit. Each course corresponds with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into Semester 6 of the TRU Animal Health Technology Distance Education program

ANHD 3110
Veterinary Clinical Pathology *3 credits (3,0,0)*
This laboratory course focuses on clinical pathology for the animal health technologist, including the theoretical and practical aspects of veterinary clinical chemistry and urinalysis. Students are introduced to basic organ function as they relate to and affect clinical chemistry results, and how disease can be diagnosed in laboratory medicine. An emphasis is placed on ensuring quality control, and the steps and skills required to deliver accurate, timely results. Students use the appropriate skills and tools required to perform a complete in-house urinalysis.
Prerequisite: ANHD 3140 and ANHD 3170 with a minimum grade of C

ANHD 3120
Intensive Care *3 credits*
Students develop a familiarity with specialized anaesthetic protocols which may be prescribed for certain patients, in addition to the knowledge and skills required for the various procedures and equipment in trauma and emergency patient care units.
Prerequisite: ANHD 3110 and ANHD 3160 with a minimum grade of C

ANHD 3140
Anaesthesia *3 credits*
Students develop a familiarity and competence with the anaesthetic and analgesic agents and equipment utilized in veterinary medicine, and their use in various species.
Prerequisite: ANHD 2130 and ANHD 2140 with a minimum grade of C

ANHD 3150
Laboratory and Exotic Animals *3 credits*
Students are introduced to the housing and husbandry needs of common exotic pets and laboratory animal species. Students are also instructed in how to handle, sex, and restrain common species for clinical procedures. Discussion topics include animal research, the ethics of using animals for research, and animal welfare.
Prerequisite: ANHD 3110 and ANHD 3160 with a minimum grade of C

ANHD 3160
Large Animal Science *3 credits*
Students are introduced to large animal husbandry, restraint, routine veterinary procedures, animal welfare and hospital management. Personal safety is emphasized.
Prerequisite: ANHD 3140 and ANHD 3170 with a minimum grade of C

ANHD 3170

Animal Nursing 3 ***3 credits***
This is the third of three Animal Nursing courses concerned with small companion animals. Students focus on their technical nursing skills and small animal veterinary dentistry.
Prerequisite: ANHD 2130 and ANHD 2140 with a minimum grade of C

ANHD 3900
Veterinary Clinical Studies 7 ***5 credits***
Veterinary Clinical Studies is a sequence of courses in the Animal Health Technology Distance Education program in which students are required to complete a minimum of 20 hours of employed clinical work per week to obtain credit. Each course corresponds with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into Semester 7 of the TRU Animal Health Technology Distance Education program

ANHD 3910
Veterinary Clinical Studies 8 ***5 credits***
Veterinary Clinical Studies is a sequence of courses in the Animal Health Technology Distance Education program in which students are required to complete a minimum of 20 hours of employed clinical work per week to obtain credit. Each course corresponds with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into Semester 8 of the TRU Animal Health Technology Distance Education program

ANHD 3920
Veterinary Clinical Studies 9 ***5 credits***
Veterinary Clinical Studies is a sequence of courses in the Animal Health Technology Distance Education program in which students are required to complete a minimum of 20 hours of employed clinical work per week to obtain credit. Each course corresponds with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into Semester 9 of the TRU Animal Health Technology Distance Education program

ANHT 1010
Laboratory Mathematics ***2 credits (2,0,0)***
Animal health technology students develop a practical understanding of the principles and techniques of mathematics and statistics with an emphasis on calculating dosages, intravenous infusions and dilution of solutions. An introduction to statistics is included to allow students to critically read journal articles and pharmaceutical claims and to facilitate research efforts.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 1090
Animal Behaviour 1 ***1 credit (1,0,0)***
The first of four courses on applied animal behavior, this course introduces students to normal animal behavior. Students learn handling, management and training skills used by animal health technologists to apply to hospitalized animals and animals in the home. The basics of managing dogs and cats at the animal health technology program, enhancing animal well-being and introductory training methods are discussed, in addition to operant conditioning.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1510
Veterinary Terminology ***1 credit (1,0,0)***
Students analyze and define the components of veterinary terms. These skills enable students to determine the meaning of frequently used veterinary terms and to create new terms for specific applications.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1520 (L)
Animal Nursing 1 ***2 credits (2,0,1)***
Students focus on the theory and practice related to basic handling and restraint of companion (small) animals and the components of a physical examination. Additional topics include blood collection techniques and medicating patients via enteral and parenteral routes.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1530
Introductory Veterinary Immunology ***2 credits (2,0,0)***
Students are offered the basic fundamentals of veterinary immunology, and focus on the technician's role in a clinical environment. A solid understanding of the biological mechanisms of the immune response, principles of vaccination and common serological assays is important in the daily clinical role of the technician as well as in the context of client communication and education.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1540
Veterinary Office Management ***1 credit (1,0,2)***
Students are introduced to the concepts of human relationships and how they influence the business of veterinary medicine. Topics include personality and communication styles, client communications, basic management principles, facilities, stress management, and finances. The computer portion of this course focuses on providing students with a good working knowledge of Microsoft Word and PowerPoint, as well as an introduction to the use of veterinary practice software.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1560
Pharmacology ***3 credits (3,0,0)***
This lecture course outlines the various classifications and use of drugs utilized in veterinary practice.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1590
Domestic Animal Anatomy and Physiology 1 (L)
2 credits (2,0,2)
Animal health technology students are introduced to the anatomy and physiology of domestic animals. Topics include anatomical terminology, cell and tissues, and the skeletal, muscular, nervous, integument and sensory systems. An emphasis is placed on clinically relevant material to prepare students for common procedures performed in veterinary practice. Students are provided with hands-on opportunities to locate and identify anatomical structures and reinforce theory.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1620
Animal Nursing 2 ***2 credits (1,0,1)***
Students focus on the day-to-day procedures commonly performed by a technologist in a veterinary clinic. Procedures include urine collection, animal care, and eye and ear exams. Additional topics include nutrition and medical records.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1670
Dentistry for Animal Health Technicians
1 credit (1,0,0)
This course prepares students to perform dental prophylactic care in small animals, as well as assisting the veterinarian with extractions and endodontic procedures. Topics include dental anatomy; anatomical and directional terminology; dental charting; dental disorders including periodontal disease; dental prophylactic care; instrumentation; radiology; and dental nerve blocks.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1690
Domestic Animal Anatomy and Physiology 2 (L)
2 credits (2,0,2)
This course is a continuation of ANHT 1590: Domestic Animal Anatomy and Physiology 1, and is designed to give animal health technology students a continued understanding of the basic anatomy and physiology of common domestic animals. Topics include the gastrointestinal, respiratory, cardiovascular, lymphatic, urinary and reproductive systems. Students are prepared, with clinically relevant material, for common procedures performed in veterinary practice. Students are provided with hands-on opportunities to locate and identify anatomical structures and reinforce theory.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1720
Veterinary Clinical Pathology 1 (L) ***3 credits (3,0,2)***
Students develop a solid theoretical and practical background in veterinary clinical haematology. This course introduces students to the use of manual haematological techniques in the diagnosis and treatment of veterinary disease. Hands-on opportunities are provided to perform the routine and special procedures typically carried out in a veterinary clinic. Students focus on accuracy, efficiency and correct interpretation of data.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1730
Veterinary Clinical Pathology 2 (L) ***3 credits (3,0,2)***
This course is a continuation of ANHT 1720: Veterinary Clinical Pathology 1, and introduces students to veterinary urinalysis and urinalysis techniques. In addition, students learn about the common clinical chemistry tests and understand the implications of abnormal results. Hands-on opportunities are provided to perform routine urinalysis and clinical chemistry techniques that are typical in a veterinary clinic. Students focus on accuracy, efficiency and correct interpretation of data.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 1800

Parasitology (L) ***2 credits (2,0,2)***

Animal health technology students develop comprehensive understanding of the identification, life cycle and importance of common veterinary parasites and how to control these organisms. A primary objective for students is client education regarding the role parasites play in the health of animals. Competency in the area of fecal evaluation is stressed. Students examine prepared specimens and are given appropriate demonstrations. On a weekly basis, students use fresh samples for fecal flotations and specialized recovery techniques for the identification of parasites.

Prerequisite: Admission into the Animal Health Technology program

ANHT 1990

Animal Behaviour 2 ***1 credit (1,0,0)***

This course is a continuation of ANHT 1090: Animal Behavior 1, in which students further develop their awareness, knowledge and skills in applied animal behavior. The course includes lectures and demonstrations with a major emphasis on normal feline behavior.

Prerequisite: Admission into the Animal Health Technology program.

ANHT 2090

Animal Behaviour 3 ***1 credit (1,0,0)***

In this continuation of Animal Behavior 1 and 2, students further develop their knowledge and skills in applied animal behavior. Emphasis is on the in-depth study of specific common behavior problems in dogs and cats. Guest speakers, case studies and demonstrations may be used to present advanced dog and cat training and management skills using program animals.

Prerequisite: Admission into the Animal Health Technology program.

ANHT 2200

Clinical Practicum 4 ***6 credits (Two 3-week periods)***

Practicum students spend two three-week periods, for a total of six weeks, working in two different veterinary facilities, which are small or mixed animal private veterinary practices. After successful application, some students may qualify to spend one of these three-week periods in a veterinary facility with a limited scope, such as equine, emergency, or research.

Prerequisite: Admission into the Animal Health Technology program.

ANHT 2510

Anaesthesia (L) ***3 credits (3,0,3)***

An introductory course in veterinary anaesthesia. The lecture and laboratory sessions allow the student to develop a familiarity and competence with the various anaesthetic agents utilized in veterinary medicine, and their use in various species.

Required Lab: ANHT 2510L

Prerequisite: Admission to the Animal Health Technology program

ANHT 2520

Clinical Practicum 1 ***1 credit (0,0,3)***

Students present a clinical case to the class. Students work on and identify unknown blood, urine and bacteriology samples. The prerequisite is listed under the course description in this document.

Prerequisite: Admission to the Animal Health Technology program.

ANHT 2530

Large and Small Animal Diseases ***2 credits (2,0,0)***

Students are introduced to common diseases in companion and farm animals. Clinical signs, diagnostic tests, treatment, prevention, and client communication are discussed, including the role of the veterinary technologist in these areas.

Prerequisite: Successful completion of Semester 2 in the Animal Health Technology program

ANHT 2540

Large Animal Sciences ***3 credits (3,0,0)***

Animal health technology students develop a practical, working knowledge of farm animal nutrition, breeding, general management and animal health. Emphasis is placed on global perceptions of animal consumption, animal care and welfare.

Prerequisite: Admission to the Animal Health Technology program.

ANHT 2550

Large Animal Clinics 1 (L) ***1 credit (0,0,3)***

This course is an introduction to herd health management, husbandry, restraint, nutrition, and physical examinations on large animals and wildlife. Students are familiarized with the routine techniques performed on the following species: equine, bovine, ovine, caprine, camelids, avian, as well as wildlife. Post mortem examinations and tissue sampling is included.

Prerequisite: Admission to the Animal Health Technology program.

ANHT 2570

Surgical Assistance 1 (L) ***3 credits (2,0,3)***

This course, and its continuation Surgical Assistance 2, is designed to familiarize students with the concepts of sterility, operating room conduct and procedures. Students implement these concepts with small group practice. At the completion of this course, students can prepare basic equipment, materials, facilities, personnel, and surgical patients for surgery, and perform the duties of a surgical assistant.

Prerequisite: Admission to the Animal Health Technology program.

ANHT 2580

Radiology 1 (L) ***2 credits (1,0,3)***

This course is a combination of classroom and laboratory sessions that enable students to understand and apply the basic principles of veterinary diagnostic imaging. Hands-on clinical work allows students to become familiar with the proper preparation and positioning of companion (small) animals for routine imaging procedures. The importance of radiation safety is stressed throughout the course.

Prerequisite: Admission to the Animal Health Technology program.

Exclusion: Students must be 18 years of age or have written parental consent.

ANHT 2590

Animal Nursing & Ward Care 3 (L) ***1 credit (1,0,1)***

This course is a continuation of technical and patient care skill training acquired in Animal Nursing 1 and 2, with an emphasis on nutrition, bandaging skills, and the care of geriatric and recumbent patients.

Prerequisite: Admission to the Animal Health Technology program.

ANHT 2600

Field Work Experience ***3 credits (0,0,3)***

This course consists of weekly guest speakers or tours, including an off-campus tour of Vancouver and area during the month of May. Students are responsible for their personal costs incurred during this trip.

Prerequisite: Admission into the Animal Health Technology program.

ANHT 2610

Theriogenology ***1 credit (1,0,0)***

Students are introduced to reproductive cycles, breeding, fertility, artificial insemination, parturition and reproductive disease in domestic animals.

Prerequisite: Admission into the Animal Health Technology program.

ANHT 2620

Animal Nursing & Ward Care 4 (L) ***1 credit (1,0,1)***

Animal Nursing is a four semester course, in which a variety of aspects in the nursing care of animals are explored, ranging from basic animal restraint to more technical diagnostic and medical procedures. Animal Nursing 4 focusses on external fixation, vaginal cytology, semen collection, necropsy and tissue cytology.

Prerequisite: Admission into the Animal Health Technology program.

ANHT 2630

Clinical Practicum 2 ***1 credit (0,0,3)***

A continuation of ANHT 2520.

Prerequisite: Admission to the Animal Health Technology program

ANHT 2640

Anaesthesia & Intensive Care (L) ***3 credits (3,0,3)***

A continuation of ANHT 2510 including specialized anaesthetic techniques, veterinary intensive care and fluid therapy.

Required Lab: ANHT 2640L

Prerequisite: Admission to the Animal Health Technology program

ANHT 2650

Large Animal Clinics 2 (L) ***1 credit (0,0,3)***

This course is designed as a continuation of ANHT 2550: Large Animal Clinics 1. The emphasis of this course is on basic ranch management and the practice of large animal and wildlife care skills. Laboratory sessions take place at selected ranches in the Kamloops area and at the BC Wildlife Park. Exercises in public speaking are also part of this course.

Prerequisite: Admission into the Animal Health Technology program.

ANHT 2670

Surgical Assistance 2 (L) ***2 credits (2,0,3)***

This course is a continuation of ANHT 2570: Surgical Assistance 1, and is designed to familiarize students with common veterinary surgical procedures, including dental techniques. The role of the veterinary technologist in preoperative, intraoperative, and postoperative duties, and the nursing care of the surgical patient is discussed.

Prerequisite: Admission into the Animal Health Technology program.

ANHT 2680
Radiology 2 (L) ***2 credits (1,0,3)***
This course is a continuation of ANHT 2580: Diagnostic Imaging I. Students are introduced to the theory and practical application of equine radiographic positioning, technical errors, contrast imaging procedures, formulating technique charts, and the basics of ultrasonography, endoscopy and digital imaging. The importance of radiation safety is stressed throughout the course.
Prerequisite: Admission into the Animal Health Technology program.
Exclusion: Students must be 18 years of age or have written parental consent.

ANHT 2690
Laboratory Animals (L) ***2 credits (1,0,0)(1,0,1)***
This course is designed to introduce students to the housing and husbandry needs of common exotic pets and laboratory animal species. Students learn how to handle, sex and restrain the more common species for clinical procedures. Discussion topics include animal research, the ethics of animals used in research and animal welfare.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 2700
The Animal Health Technologist and Society
1 credit (1,0,0)
Using written materials, small group discussion, guest speakers, and case examples, this course enables students to explore issues relevant to practicing animal health technologists. Topics include professional associations, ethical and legal issues, the human-animal bond, animal advocacy, pet loss grief and maximizing employment opportunities.
Prerequisite: Admission into the Animal Health Technology program.

ANHT 2990
Animal Behaviour 4 ***1 credit (1,0,0)***
Fourth in the applied Animal Behavior series, this course focuses on the integration of animal behavior into small animal veterinary practice, with an emphasis on the role of the animal health technologist. The course uses a 'problem-based learning' format, whereby some of the presented material is case-based; groups of students research and report on specific cases. Course topics are predominantly related to canines and felines.
Prerequisite: Admission into the Animal Health Technology program.

ANTH 1210
Introduction to Cultural Anthropology ***3 credits (2,1,0)***
A general introduction to cultural anthropology. The course is a survey of the main features of nonindustrial societies in various parts of the world. Subjects to be considered are: economy, political organization, kinship and marriage, forms of religious devotion.
Required Seminar: ANTH 1210S

ANTH 2140
Canadian Native Peoples ***3 credits (2,0,0)***
An introduction to the present situation of Canada's Indians, Metis and Inuit, interpreted on the basis of contemporary and historical political, economic and cultural developments. Major topics include: the Indian Act, the reserve system, land claims, directed culture change, social consequences of paternalism.
Required Seminar: ANTH 2140S
Prerequisite: ANTH 1210 recommended but not required

ANTH 2150
Cultural Explorations ***3 credits (2,0,0)***
An advanced introduction to cultural anthropology, this course examines how anthropologists describe the societies they study, and the conclusions they draw. Case studies to be used may include books as well as ethnographic films depicting the cultural diversity of the modern world.
Required Seminar: ANTH 2150S
Prerequisite: ANTH 1210 recommended but not required

ANTH 2250
Sex, Gender and Culture ***3 credits (2,1,0)***
A cross cultural survey of the different ways in which a biological condition (sex) is transformed into a cultural status. A central issue concerns the question whether there are 'natural' male and female behaviours that are expressed regardless of local cultural influences.
Required Seminar: ANTH 2250S
Prerequisite: ARCH 1110/1210 recommended but not required

ANTH 2600
Minorities in the Modern World ***3 credits (2,1,0)***
An introduction to the anthropological study of minorities, with special reference to the present position of indigenous peoples around the world. Case studies from North America, Europe, Asia, Russia and Oceania illuminate the concepts of genocide, ethnocide, pluralism and multiculturalism.
Required Seminar: ANTH 2600S
Prerequisite: ARCH 1110/1210 recommended but not required

ANTH 3000
Current Issues in Cultural Anthropology
3/*6 credits (3,0,0) or (3,0,0)(3,0,0)*
The study of selected areas and communities drawn from around the world with an emphasis on problems of cross- cultural comparison and on theoretical issues of current importance in the discipline.
Prerequisite: ANTH 1210

ANTH 3030
The European Orient: Balkans, Russia and Eastern Europe
3/*6 credits (3,0,0) or (3,0,0)(3,0,0)*
A specialized survey of the cultures shaping Central and Eastern Europe including Russia. Primary areas of concern are the interplay between peasant and national culture and between ethnic and political identity. Note: Different culture areas or regions may be selected in subsequent offerings of the course.
Prerequisite: ANTH 1210 or SOCI 1110 or SOCI 1210 or POLI 1210
Exclusion: POLI 3070

ANTH 3270
First Nations Natural Resource Management
3 credits (2,1,0)
A review of historical and contemporary issues shaping Aboriginal peoples' relationship to their lands and resources and the impact of governmental policies on this relationship. Topics will include the Indian Act, traditional aboriginal views of resource management, treaties, and analysis of current policies on resource management and aboriginal life.
Required Seminar: ANTH 3270S
Prerequisite: ANTH 1210

ANTH 3280
Indigenous Peoples in Comparative Perspective
3 credits (3,0,0)
This course takes a cross-cultural comparative approach to the study of contemporary Indigenous Peoples. Indigenous Peoples constitute a diverse range of groups throughout the world. What they have in common is the shared experience of colonization. Recognizing the diversity of Indigenous Peoples throughout the world this course will explore both those experiences shared between groups, and those unique to local contexts.
Prerequisite: ANTH 1210 and 60 credits or permission of the instructor.

ANTH 3390
Special Topics in Anthropology ***3 credits (2,1,0)***
This is a variable content course intended to provide topics beyond those of regular departmental offerings. The course will be offered from time-to-time, and may make use of the specializations of visiting faculty.
Prerequisite: Check with the department Chairperson regarding prerequisites, as they may vary from offering to offering

ANTH 4000
History of Anthropology **3/*6 credits (3,0,0) or (3,0,0)(3,0,0)***
The development of the major approaches in anthropology in their institutional contexts.
Prerequisite: ANTH 1210 and ARCH 1110 or 1190

ANTH 4010
Native Peoples of North America
3/6 credits (3,0,0) or (3,0,0)(3,0,0)
Native cultures of the United States and Canada; linguistic and cultural relationships; the culture of reserves and the reserve system in both countries.
Prerequisite: ANTH 1210 or permission of the instructor

ANTH 4030
Field School in East/Central Europe ***6 credits (3,0,0)(3,0,0)***
This course offers an introduction to the societies and cultures of East/Central Europe by way of a month-long field trip. The itinerary includes rural and urban locations in several countries that lend themselves to an ethnographic examination of the ethnic relations, religions, economies, and politics shaping the buffer zone between the European East and West.

Exclusion: Same course as POLI 4030 and SOCI 4030
Eligibility determined by instructor

ANTH 4040
People and Cultures of the North American Arctic
3 credits (2,1,0)

This course introduces the North American sub-Arctic, Arctic, and High Arctic as discrete cultural regions. Surveying the historical, ecological and cultural diversity of the Arctic, this course reviews anthropological perspectives on the past and present lives and experiences of indigenous peoples who have made the high latitudes their home for millenia. This course documents patterns of social organisation among Inuit, Dene, and Metis with a secondary focus directed towards recent economic, political, and cultural trends in the region resulting from European contact, colonisation, and political devolution.
Required Seminar: ANTH 4040S
Prerequisite: ANTH 1210 and third or fourth-year standing in Arts

ANTH 4050
Indian Reserve Communities *3 credits (2,1,0)*

This course will present Canadian reserve communities as distinct societies. A survey of status Indian reserve communities across Canada, this course chronicles the origin of the numbered reserve system historically by introducing the Indian Act, Registered Indians, and the numbered treaty process. It surveys the variety of reserve communities nationally, as well as documenting present-day reserve conditions from the point of view of social scientists and Native writers alike.
Required Seminar: ANTH 4050S
Prerequisite: ANTH 1210 and third or fourth-year standing in Arts

ANTH 4150
Religion and Society *3 credits (3,0,0)*

Comparative study of religious beliefs and practices; relations between religious, social and political institutions; religion as a force for stability as well as change.
Prerequisite: ANTH 1210, or SOCI 1110 and SOCI 1210

ANTH 4330
Directed Studies 3/*6 credits (3,0,0) or (3,0,0) (3,0,0,)*

General reading and/or a research undertaking, with the agreement, and under the supervision, of a Department faculty member selected by the student. No more than 6 credits of Directed Studies may be taken for credit towards a degree.

ANTH 4600
Cultural Ecology & Evolution *3 credits (3,0,0)*

Social organization in the context of the theoretical approaches of cultural evolution and cultural ecology with particular emphasis on primitive societies: kinship, political organization, warfare, economic organization, peasant societies, religious movements, underdevelopment, and social change.

APEC 1610
Introduction to First Nation Taxation *2 credits (35 hours)*

Students are introduced to First Nation taxation under the authority of the FMA. The course focuses on the economic and fiscal rationale of the FMA and the workings of the FMA. The FNTC and the other FMA institutions are discussed, including the First Nations Finance Authority (FNFA) and the First Nations Financial Management Board (FMB).

APEC 1620
Establishing First Nation Tax Rates and Expenditures
2 credits (36 hours)

This course is a detailed overview of establishing property tax rates through a local services budget. Students focus on estimating local service costs, creating preliminary budgets and working with the council. Students also estimate local revenues and determine, where applicable, tax rate multiples. Although this course is intended for First Nation property tax administrators using the Financial Management Association authority, it is applicable to any local government administration. Part of the course is devoted to using a custom spreadsheet application for local government budgeting and tax rate setting.
Prerequisite: APEC 1610

APEC 1630
Assessment and Assessment Appeals Procedures
2 credits (40 hours)

Students are introduced to property markets and property assessment. The course focuses on property assessments and assessment appeals in Canada and under the authority of the Financial Management Association (FMA) or s. 83 of the Indian Act. Students also discuss the FMA regulatory requirements for assessments and assessment appeals. This course is relevant to First Nation and local government tax administrations.
Prerequisite: APEC 1610

APEC 1640
Administration: Tax Notices, Collecting and Enforcement
3 credits (45 hours)

This course discusses the management of a First Nation and/or local government tax administration system. Students focus on taxpayer notification, local revenue billing, collecting, and enforcement. Best practices from systems across Canada are presented along with the regulatory requirements associated with the Financial Managment Association (FMA). A substantial portion of the course is devoted to using the First Nation Tax Commission's specialized software for local revenue administration.
Prerequisite: APEC 1610, APEC 1620

APEC 1650
Communications, Taxpayer Relations and Dispute Resolution
2 credits (34 hours)

Students discuss the establishment of mutually beneficial working relationships between First Nation tax authorities and taxpayers, focussing on interest based negotiations, communication templates for taxpayers and media, and best practices in taxpayer relations. The course also provides an overview of the informal and formal dispute resolution processes related to the Financial Management Association and the First Nation Tax Commission.
Prerequisite: APEC 1610, APEC 1620, APEC 1630, APEC 1640

APEC 1660
Service Agreements and Joint Contracts
2 credits (37 hours)

This course discusses the development of service and joint agreements with local governments and/or private partners. Students focus on local service agreements between two local governments or local service agreements private contracts, in addition to the delivery of local services or the construction of local infrastructure through public private partnerships. The course is intended for First Nation and local government tax administrators.
Prerequisite: APEC 1610, APEC 1620

APEC 1670
Development Cost Charges *2 credits (36 hours)*

This course discusses the development of a fair and transparent development cost charge (DCC) system for First Nations or local governments. Students focus on creating DCC systems under the authority of the Financial Management Association and First Nation Tax Commission procedures and standards related to DCCs. The course presents DCC best practices throughout Canada.
Prerequisite: APEC 1610, APEC 1620

APEC 1680
Capital Infrastructure and Debenture Financing
3 credits (56 hours)

Students learn to use long term debenture financing as a tool for providing local government infrastructure. The course focuses on the regulatory requirements related to long-term debentures in the Financial Managment Association (FMA), and emphasizes the legal, planning, and policy requirements established by First Nation Finance Authority, the First Nation Tax Commission and the First Nations Financial Management Board. Best practices are presented for economic, capital and financial planning, required by any First Nation interested in borrowing under the authority of the FMA.
Prerequisite: APEC 1610, APEC 1620, APEC 1630, APEC 1640, APEC 1650

APEC 2650
Investment Facilitation on First Nation Lands
3 credits (3,0,0)

It is four to six times more expensive to facilitate investment on First Nation lands than it is off First Nation lands. This course investigates the source of these higher costs and how to reduce expenditure, while introducing the concept of transaction costs. Students discuss how private and public investment work together to create economic growth, and focus on the interests of investors and what First Nations can do to facilitate investment on their lands. This course is of interest to both First Nations and interested investors.
Prerequisite: ECON 1220 with a C- minimum
Corequisite: ECON 2630

APEC 2700
Economic Feasibility and Impact Analysis on First Nation Lands
3 credits (3,0,0)

This course is an introduction to cost-benefit analysis as it relates to investment activity on First Nation land. In order to understand cost-benefit analysis, students acquire skills and knowledge on the time value of money as well as basic statistical concepts. The concepts and techniques required for economic feasibility analysis and economic impact analysis are introduced. The course material is delivered using real case studies as it relates to First Nation projects.
Prerequisite: Principles of Math 11 or Applications of Math 12 (C+ minimum) or equivalent, or MATH 0510 and ECON 1220 or ECON 1900 or ECON 1950 with a C-minimum

APSC 1200
Introduction To Engineering *1 credit (2,0,0)*
This course employs guest speakers, videotaped material and field trips to engage and provide students with an orientation to a career as a professional engineer.
Prerequisite: Admission to the Engineering Transfer Program
This course is only offered in the Fall semester.

ARCH 1110
Human Origins *3 credits (2,1,0)*
Students explore the paleoanthropological and archaeological study of human physical and cultural evolution. An appreciation for the emergence of modern paleoanthropological discovery is developed as students learn the basic principles of evolution, the major stages of human evolution, and prehistory from a scientific perspective. Students are also introduced to physical anthropology. This course is recommended for students with an interest in forensic science, forensic investigation, and medicine, and is an approved science credit for Arts Majors.

ARCH 1190
Introduction to Archaeology *3 credits (2,1,0)*
Students are introduced to the discipline of archaeology, including the ways in which archaeologists reconstruct past cultures and lifeways, the development and major discoveries of archaeology, and the relationships between human material remains and human behavior. Students gain an appreciation of the past, archaeological data, and how archaeology answers questions about the human condition.

ARCH 2010
Introduction to Archaeology *3 credits (2,1,0)*
Students delve into the broad, multidisciplinary nature of modern archaeology, including how archaeologists locate sites and recover ancient materials to reconstruct past cultures and life-ways. Students explore the relationships between human material remains and human behavior, and gain a perspective for how people interact with each other and the environment through culture and technology. Students gain an appreciation of the past, why heritage materials are protected and carefully managed by law, and how archaeology provides answers about the human condition. This course is an approved science credit for Arts Majors, and is recommended for students wishing to take further courses in archaeology.

ARCH 2160
Ancient Civilizations *3 credits (3,0,0)*
This course provides a broad survey of the archaeology of ancient, pre-industrial, Old World, and New World civilizations. The course includes a brief overview of basic theoretical and methodological concepts in archaeology, thus accommodating students with no prior background in archaeology. Major topics of study include the origins of Neolithic farming; urbanism; wealth and power structures, social ranking, and the inevitable rise of the state; early systems of writing; the earliest civilizations of Mesopotamia, Egypt, the Indus Valley, and China; the classical civilizations of the Mediterranean; and New World Central American and Andean civilizations.

ARCH 2190
Ancient North Americans *3 credits (3,1,0)*
Students explore the archaeological evidence for prehistoric colonization of North America, the expansion of highly mobile Paleoindian hunter-gatherers, the adaptations of archaic hunter-foragers to post-Ice Age environments, the origins of New World farming and village life, and the rise and fall of complex chiefdom societies. Students learn how technological innovations, population growth, natural resources, and social and ideological factors influenced the various cultural developments in different regions of North America.
Prerequisite: ARCH 1190

ARCH 2230
Indians of BC 2 *3 credits (2,1,0)*
A survey of the traditional Indian cultures of British Columbia as known through ethnography and archaeology. Topics will include regional variation and adaptation in economy, technology, language, religion, art, medicine, kinship, and social organization. The contemporary social problems of the native peoples are not part of this course.
Required Seminar: ARCH 2230S
Prerequisite: An intro course in Anthropology is recommended

ARCH 2330
Old World Archaeology *3 credits (3,0,0)*
Through the exploration of archaeological evidence, students follow the development of human culture from the earliest material evidence of the Old Stone Age, through the development of increasingly complex and diverse cultures from ancient Africa, Asia, and Europe. Topics include the African origins of humanity, the development of ancient technologies and art, the dispersal of humans and human ancestors throughout Eurasia, the development of farming, and the rise of village-based societies.
Prerequisite: ARCH 1110 or ARCH 1190

ARCH 3050
Theory in Archaeology
3/6 credits (2,1,0) or (2,1,0)(2,1,0)
Students are provided an essential overview of major theoretical and methodological issues in archaeology. An appreciation for the history of archaeological thought is developed, along with an understanding of the general characteristics of the archaeological record. Topics include the development of modern archaeological thought, classification of material culture, formation processes, paradigm shifts, construction of cultural sequences, formulation of research designs, and using specific methods and perspectives to investigate issues of human culture, ideology, settlement, ecology, and technological change.
Recommended: ARCH 1190 or ARCH 1110 or ARCH 2190

ARCH 3060
Summer Field Training in Archaeology (L)
6 credits (3,0,0)
This course is generally offered as one component of the archeology field school, and includes intensive classroom and field-based instruction. Students receive training in archaeological field methods including site survey, excavation techniques, identification and interpretation of material culture, mapping procedures, data recording, and reporting. Students also develop the logistical, professional, and social skills required to work effectively in various archaeological environments. Students must be capable and willing to participate in all activities common to archaeological fieldwork, as well as camp living. Lab fee required.
Prerequisite: ARCH 1190 or ARCH 2190 and ARCH 3050 or ARCH 4200 or permission of instructor

ARCH 3260
Environmental Archaeology *3 credits (2,2,0)*
Interdisciplinary data recovery and methods of analysis from geology, soil sciences, botany, zoology, chemistry, physics, and ecology have resulted in specialized sub-fields in archaeology, including zooarchaeology, paleobotany, raw material sourcing, geophysical and geomorphic analysis, paleoenvironmental reconstruction, and seasonality studies. Students examine the methods and theories employed by specialists in these fields to reconstruct past environments and explore the relationships between humans and important environmental resources and variables.
Prerequisite: ARCH 1110 or ARCH 1190, GEOG 1110
Recommended: GEOL 2050, GEOG 1000

ARCH 4060
Cultural Resource Management *3 credits (2,1,0)*
Students explore the practical, theoretical, social, and legal issues of managing humanity's cultural resources. Topics include the origins and application of heritage legislation within Canada, the United States, and abroad; illegal trafficking of antiquities; heritage issues in areas of armed conflict; contract archaeology; public archaeology; aboriginal heritage; and avocational archaeological societies.
Prerequisite: ARCH 1110 or ARCH 1190

ARCH 4110
Prehistory Special Areas *3 credits (3,1,0)*
Analysis of the prehistory of a selected New World area, including a summary of the literature and discussion of relevant problems. The course will provide background for students in North, Central, and South America area studies. Typical offerings include the prehistory of Mesoamerica, the Southwest, North America, and the Mayan areas.
Note: Generally taught as companion course to ARCH 3060
Prerequisite: ARCH 3050 or ARCH 4200 or permission of the instructor

ARCH 4200
Archaeology of British Columbia *3/6 credits (3,0,0)*
Students undertake an in-depth, advanced study of the archaeology of the Pacific Northwest culture region, focusing primarily on the Interior and/or Coastal areas of British Columbia. The course includes a critical analysis of the archaeological evidence and interpretations of cultural developments from selected field studies.
Prerequisite: ARCH 2010 or ANTH 2190 or permission of the instructor.

ARET 1100

Graphical Communication (L) ***3 credits (2,1,2)***
This course involves the fundamentals of basic drawing and hand sketching, with emphasis on drawing skills, conventions, techniques, layout and representation theory. This course is available in the Fall semester only.
Prerequisite: Admission to the Architectural & Engineering Technology Program or with permission from the department chair.
Exclusion: This course is part of a limited enrolment program.

ARET 1110
Computer Aided Design and Drafting 1 (L)
2 credits (2,0,2)
This course involves the fundamentals of computer aided drafting as an alternative to traditional hand drafting. Utilizing computers and the latest Autodesk software, this course forms the basis for other courses within the Architectural and Engineering Technology program. This course is available in the Fall semester only.
Prerequisite: Admission to the Architectural & Engineering Technology Program or with permission from the department chair.
Corequisite: ARET 1100
Exclusion: This course is part of a limited enrolment program.

ARET 1120
Introduction to Architectural Representation (L)
2 credits (1,1,0)
This course introduces the student to the basics of creating architectural drawings using Autodesk software and elevations. Using the current architectural software, the student creates basic floor plan and associated drawings. Upon completion of the course, students design a 3D building model and generate the 2D plans required by the construction industry. This course is available in the Fall semester only.
Prerequisite: Admission to the Architectural & Engineering Technology Program or with permission from the department chair.
Corequisite: ARET 1100 and ARET 1110 and ARET 1200
Exclusion: This course is part of a limited enrolment program.

ARET 1200
Materials & Applications 1 – Specifications (L)
3 credits (3,1,0)
This course introduces students to building materials and methods applied in contemporary building construction. Lectures include an introduction to contract documents (specifications and working drawings), the advantages and limitations of the various types of contracts, the bidding procedure using bid depository regulations, and the types of bonds most currently in use. This course is available in the Fall semester only.
Prerequisite: Admission to the Architectural & Engineering Technology Program or with permission from the department chair.
Corequisite: ARET 1110
Exclusion: This course is part of a limited enrolment program.

ARET 1300
Building Technology 1 (L) ***3 credits (3,2,3)***
Students are introduced to basic platform framing, commonly used in residential buildings that are regulated under Part 9 (Housing and Small Buildings) of the British Columbia Building Code. This course is available in the Winter semester only.
Prerequisite: ARET 1110 and ARET 1110 and ARET 1120 and ARET 1200 or with permission from the department chair.
Exclusion: This course is part of a limited enrolment program.

ARET 1400
Civil Technology 1 (L) ***3 credits (4,1,2)***
This course is an entry level course into the field of Civil Engineering Design and Drafting. The course includes Traverse survey computations, geometric design calculations, area calculations and earthwork calculations. The student will use the latest version of Autodesk' s Civil 3D software to produce a subdivision layout comprising of a plan and profile drawing with horizontal and vertical alignments and cross sections. Required Lab ARET 1400L
Prerequisite: Admission into the Architecture and Engineering Technology program or written consent of the Chairperson

ARET 1410
Construction Surveying (L) ***3 credits (60 Hours)***
Students are introduced to the basic techniques of construction surveying. This course has a compressed schedule and is offered at the end of the Winter semester.
Note: This course involves outdoor field work.
Prerequisite: ARET 1400 or with permission from the department chair.
Exclusion: This course is part of a limited enrolment program.

ARET 1500
Building Electrical Design (L) ***2 credits (2,0,1)***
This fundamental course in building electrical systems design involves a detailed analysis of the Canadian Electrical Code pertinent to residential and/or multi-residential building electrical distribution systems, electrical engineering design practices, and electrical design drawing production. During the course, students interpret electrical code rules and apply the requirements defined by those rules, demonstrate good engineering practice in the development of a residential and/or multi-residential building electrical design, and create electrical working drawings. This course is available in the Fall Semester only.
Prerequisite: Admission to the Architectural & Engineering Technology Program or with permission from the department chair. Corequisite: ARET 1100 and ARET 1110, Exclusion: This course is part of a limited enrolment program.

ARET 1510
Building Lighting Design ***3 credits (3,0,0)***
This course involves a detailed analysis of the factors considered in the selection of light sources and equipment through the utilization of the Illuminating Engineering Society of North America (IESNA) calculation methods and engineering practices. In addition, the fundamentals of the biology of sight and the psychology of colour as it pertains to the development of a building lighting system is discussed. Students determine the illumination requirements of a building through the utilization of IESNA calculation methods, apply the building illumination requirements utilizing engineering practices, develop a commercial building lighting system design, and create a commercial building lighting system working drawing. This course is available in the Winter Semester only.
Prerequisite: ARET 1100 and ARET 1120 and ARET 1500 or permission from the department chair.
Exclusion: This course is part of a limited enrolment program.

ARET 2100
Computer Aided Design and Drafting 2 (L)
3 credits (2,0,2)
Upon completion of this course, successful students have a working knowledge of OLE, menu customization, attribute extraction, importing and exporting different file formats, external reference files, the creation of 3D surface and solid models, and the extraction of orthographic views from solid models. This course is available after the Winter semester.
Prerequisite: ARET 1110 or permission from the department chairperson. Exclusion: This course is part of a limited enrolment program.

ARET 2120
Building Information Technology (L) ***3 credits (2,3,0)***
This course is an introduction to REVIT Architecture. Students learn the techniques for the mass modeling of a building. The building information model is then developed into a complete set of architectural working drawings. The building model may also be used for construction planning, conflict detection, fabrication and sustainable design. Using knowledge obtained in the first year of the program, successful students are able to develop the building model components including walls, roofs, floors, slabs, railings and fences, as well as customizing families for REVIT software. Presentation techniques, details, and annotation of plans and details are also discussed. This course is only offered in the Winter semester.
Prerequisite: ARET 1110 and ARET 1120 and ARET 1300 or permission of the department chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 2200
Materials and Applications 2 – Estimating (L)
3 credits (2,1,0)
This course provides the fundamentals of construction estimating. Students apply traditional estimating material takeoff procedures, analyze the concepts of unit pricing and productivity, and estimate material and labour costs utilizing traditional estimating procedures. On completion of this course, successful students are able to interpret the information provided on an architectural drawing set and, from that information, generate a material takeoff and a material and labour cost estimate. This course is only available in the Fall Semester.
Prerequisite: ARET 1200 and ARET 1300 or permission from the department chair.
Exclusion: This course is part of a limited enrolment program.

ARET 2210
Construction Management ***3 credits (2,1,0)***
This course involves the fundamental aspects of construction management, including on-site management and inspection, construction safety, construction laws and labour relations, contract and construction administration, and the planning, scheduling, and controlling of construction projects.
Prerequisite: ARET 1200 or with permission from the department chair.
Exclusion: This course is part of a limited enrolment program.

ARET 2220
Applied Research Project ***1 credit (0,1,0)***

This seminar course may be used as an extension to one of ARET 1300, ARET 2400 or ARET 2500 to support the completion of the Applied Research Project. In the seminar, students focus their research toward specific applications and implementations, and prepare to develop their final conclusions and report.
Prerequisite: CMNS 1850
Exclusion: This course is part of a limited enrolment program.

ARET 2300
Building Regulations *3 credits (2,1,0)*
This course provides students with an overview of the British Columbia Building Code, with in-depth analysis of Part 3 Fire Protection, Occupant Safety and Accessibility, and Part 5 Environmental Separation. In addition, students research common municipal zoning by-law requirements, in reference to Kamloops Zoning By-law No. 5-1-200 by-laws. This course is offered in the Winter semester only.
Prerequisite: ARET 1300 or permission from the department chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 2400
Site Planning and Development (L) *3 credits (3,0,2)*
This course provides an introduction to the land development process and focuses on specific issues related to site planning, organization and circulation. The connection between land use and transportation is explored and methods to assess on-site and off-site transportation requirements are introduced. The course includes planning concepts, site planning principles, sustainable site design principles, an application study of the Kamloops Zoning Bylaw, trip generation calculation, site organization and layout, parking layout, site amenities and landscaping. This course is available in the Winter semester only.
Prerequisite: ARET 1400, ARET 1410 or permission from the department chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 2500
Building Plumbing Design (L) *3 credits (3,0,2)*
This course provides a detailed analysis of the B.C. Plumbing Code, the Canadian Gas Code, plumbing engineering practices, plumbing design, and drawing production. Students create sanitary, storm, domestic water distribution, and natural gas system designs, and apply those designs to the creation of a plumbing working drawing for a commercial building. This course is only available in the Fall Semester.
Prerequisite: ARET 1100 and ARET 1110 and ARET 1120 and ARET 1200 and ARET 1300 or permission of the department chair person.
Exclusion: This course is part of a limited enrolment program.

ARET 2600
Statics and Strength of Materials *3 credits (5,0,0)*
This design course is intended to familiarize students with the concepts of static equilibrium and strength of materials. The course includes force analysis of trusses and frames, centroids, moments of inertia, and shear force and bending moment diagrams. Students examine the stress and strain effects of axial, torsional, bending, and shear forces. The emphasis of the course is on problem solving. Students demonstrate the application of the principles of statics and strength of materials as applied to basic structural and mechanical design problems. This course is available in the Winter Semester only.
Prerequisite: MATH 1540 or MATH 1140 and MATH 1640 or MATH 1240 and PHYS 1510 or permission from the chairperson.
Corequisite: PHYS 1610
Exclusion: This course is part of a limited enrolment program.

ARET 3300
Building Design (L) *3 credits (2,1,1)*
This course provides students with the basic tools and appreciation of building design, and involves studies of aesthetic principles and basic space planning. The term project consists of preliminary design drawings for a moderate-sized commercial, institutional or assembly type building. This project forms the basis for a more detailed partial set of working drawings to be developed in ARET 3310: Building Technology 2. This course is available in the Fall semester only.
Prerequisite: ARET 1100 and ARET 1110 and ARET 1300 or permission from the department chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 3310
Building Technology 2 (L) *3 credits (3,2,1)*
This course is a continuation of ARET 3300 and advances students' knowledge of construction systems commonly used in multi-storey commercial, institutional or multi-residential buildings that are regulated under Parts 3 and 5 of the British Columbia Building Code. This course is available in the Winter semester only.
Prerequisite: ARET 1300 and ARET 2300 and ARET 3300 or permission of the department chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 3400
Fluid Mechanics *3 credits (4,0,0)*
Students analyze fluid mechanics including fluid statics, energy concepts in fluid dynamics, fluid flow in pipes, pump selection and open channel flow. The course includes an introduction to municipal service design. Hydrologic concepts are introduced and the rational method is applied to storm sewer design. This course is available in the Fall semester only.
Prerequisite: MATH 1540 or MATH 1140 and MATH 1640 or MATH 1240 and PHYS 1510 and PHYS 1610 and ARET 2600 or permission of the chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 3500
Building Services Theory (L) *3 credits (3,1,1)*
Students are offered the fundamentals of thermodynamics pertaining to building component assemblies, an analysis of the American Society of Heating Refrigerating and Air-Conditioning Engineers (ASHRAE) heat transfer calculation methods, an analysis of the ASHRAE fenestration calculation process, and psychrometrics. The fundamentals of hydraulic and/or pneumatic system theory and design are also analyzed. Students demonstrate competency in heat transfer, fenestration, and psychrometric calculation processes as defined by ASHRAE. The course also provides opportunities for students to apply their knowledge of design procedures for developing a hydraulic system design and the creation of a hydraulic power drawing, while utilizing hydraulic engineering representation standards. This course is only available in the Fall Semester.
Prerequisite: ARET 1110 and MATH 1540 and PHYS 1610 or permission from the department chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 3510
Building HVAC Design (L) *3 credits (4,0,3)*
This course builds on the acquired knowledge in ARET 3500 with a further analysis of heating, ventilation, and air-conditioning (HVAC) building systems and system applications. Students explore the fundamentals of HVAC system components, including an investigation of the methods of the review and selection of HVAC equipment, and a detailed analysis of sizing ductwork and mechanical heating piping. In addition, students examine HVAC system representation utilizing current engineering practices in system drawing creation. Upon completion, students demonstrate competency in commercial building HVAC system design, equipment specification writing, control theory, and creation of a HVAC working drawing to engineering representation practices and standards. This course is only available in the Winter Semester.
Prerequisite: ARET 1100 and ARET 1110 and ARET 3400 and ARET 3500 or permission of the department chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 3600
Structural Analysis *3 credits (3,0,0)*
This course offers instruction in structural loads and structural analysis, and includes a review of statics and strength of materials, load path, arches and cable structures. Students explore the concept of bending and shear stresses, solve statically indeterminate beams using both the method of consistent displacements and the three-moment equation, and analyze statically indeterminate frames using moment distribution. Students also learn Part 4 of the National Building Code of Canada. This course is available in the Fall semester only.
Prerequisite: MATH 1540 or MATH 1140 and MATH 1640 or MATH 1240 and PHYS 1510 and PHYS 1610 and ARET 2600 or permission from the department chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 3610
Steel Design *3 credits (4,0,0)*
This is a design course with major emphasis on the design and behaviour of steel structures. Students explore the selection of open web steel joists, the design of structural steel trusses, purlins, beams, girders, girts, pin-ended columns, beam columns, bracing, the design of bolted connections, base plate design, and welded connections. This course is offered in the Winter semester only.
Prerequisite: ARET 3600 or permission of the department chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 3620
Wood Design *3 credits (3,0,0)*
This course offers an analysis in the design and behaviour of wood structures. Students explore the design of timber trusses, purlins, beams, girders, pin-ended columns, beam-columns and bracing using sawn lumber, plywood, glulam and manufactured products. The course also includes a study of connection design using nails, bolts, lag screws and timber rivets. This course is offered in the Fall semester only.
Prerequisite: ARET 2600 and MATH 1540 or MATH 1140 and MATH 1640 or MATH 1240 and PHYS 1510 and PHYS 1610 or permission of the department chairperson.
Corequisite: ARET 3600
Exclusion: This course is part of a limited enrolment program.

ARET 3630
Reinforced Concrete Design ***3 credits (5,0,0)***
This course instructs students in the design of reinforced concrete structures. Students explore the design of reinforced concrete beams, T-beams, columns, walls, footings, and retaining walls. Students also examine various methods of forming concrete beams, slabs, columns, walls, footings and detailing of reinforced concrete. This course is offered in the Winter semester only.
Prerequisite: ARET 3600 or permission of the department chairperson.
Exclusion: This course is part of a limited enrolment program.

ARET 4100
Energy Modeling (L) ***2 credits (2,0,3)***
This course introduces the student to energy modeling of building systems using latest versions of freely available software. During the course the student will determine the energy consumption for new and existing buildings and will evaluate the effectiveness of energy conservation measures when applied to new and existing buildings
Prerequisite: ARET 3500 of permission of the Chair.

ARET 4300
Architectural & Planning Systems I (L) ***3 credits (2,2,2)***
Students will be involved in master planning and schematic architectural design of a mixed-use development. The design project will comply with the current building codes and zoning regulations. Students will create presentation documents, coordinate with other engineering disciplines and incorporate sustainable design principles.
Prerequisite: Admission to Fourth Year of the Bachelor of Building Science Degree program.

ARET 4310
Architectural & Planning Systems 2 (L) ***3 credits (2,2,2)***
The student will be involved in design development and construction documents for the undergraduate design project. Students will coordinate with engineering consultants while ensuring compliance with current building codes and zoning regulations. Students will be expected to develop design details with a focus on rigorous building envelope practices. Green Building rating systems will guide the overall development of the design details. This course will feature industry professionals working in collaboration with faculty and students to further enhance building integration methods.
Prerequisite: ARET 4300
Corequisite: ARET 4510, ARET 4610

ARET 4500
Building Systems I (L) ***2 credits (2,0,2)***
This course is an advanced study of the processes, techniques, and tools involved in an energy audit of building systems. Energy conservation measures (ECM) applicable to electrical, lighting, and HV AC will be covered in detail.
Prerequisite: ARET 3510
Corequisite: ARET 4300, ARET 4600

ARET 4600
Civil Structural 1 (L) ***2 credits (2,0,2)***
This course builds on prerequisite courses and provides the student with an understanding of site selection processes and considerations. The successful student will be able to make informed decisions on building site selection and site preparation, foundation design criteria, building structural grids and support systems location and design.
Prerequisite: ARET 3410, ARET 3610, ARET 3620, ARET 3630

ARTS 3000
Arts Program & Career Planning ***1 credit (1,0,0)***
This course introduces best practices for student success in the Faculty of Arts, including instruction in program planning and research and study methods. This introduction will be followed by the exploration of two post-baccalaureate options: graduate school and career planning.
Prerequisite: Admission to the Bachelor of Arts program or 24 credits toward the Bachelor of Arts Degree

ASHS 4610
Client Approach to Asthma ***2 credits (2,0,0)***
A post-graduate certificate for health care professionals with an interest in the management of asthma. Graduates receive an Asthma Educators' Certificate.
Through a collaborative partnership with the University of Alberta and the Alberta Asthma Centre, TRU offers this multidisciplinary, CNRC-approved, online, asthma educators' program. The program gives students the necessary background to optimally educate clients with asthma in prevention, health promotion and disease selfmanagement. Graduates will be eligible to sit the CNRC exam for national certification as an asthma educator.
Prerequisite: Prerequisites: 2 year diploma or certificate from a recognized health care field as defined by CNRC (Canadian Network for Respiratory Care).

ASHS 4620
Concepts in Asthma ***2 credits (2,0,0)***
A post-graduate certificate for health care professionals with an interest in the management of asthma. Graduates receive an Asthma Educators' Certificate.

ASHS 4630
Asthma Management Planning ***2 credits (2,0,0)***
In Part 1 of this course, you will assess the availability and quality of asthma education resources. You will learn about the steps involved in developing an asthma support/education plan for various situations. You will experience, first-hand, the barriers a client faces in following daily disease monitoring plans. You will conduct a videotaped client interview and take a complete client history. The information you gather in the face-to-face interview and in the staged-case will become the basis of the care plans that you develop for each client. You will also have another opportunity to pursue an asthma-related topic in your professional area of interest and share your completed project with other course participants. In Part 2, through case scenarios, the staged-case and your final, face-to-face videotaped client interview, you will use the collected client information and monitoring data to develop working asthma action plans. You will conduct follow-up visits on two clients in order to evaluate the appropriateness of a client's self-management strategies and to make necessary adjustments to care and action plans. Various asthma topics will be discussed and you will have an opportunity to pose questions about current clinical trends in treatment to an on-line content expert. Using the community support/education plan developed in Part 1 of this course, you will deliver and videotape your public teaching session. You will also have another opportunity to pursue an asthma-related topic in your professional area of interest and share your completed project with other course participants.

ASTR 1140
Introductory Astronomy: The Solar System
3 credits (3,0,0)
This is a general interest course on the history of astronomy and the solar system, and is intended for non-science majors. Topics include: telescopes and observing the night sky, ancient astronomy, space exploration, the Earth/Moon system, formation and evolution of the solar system, the planets, minor members of the solar system and the Sun.
Exclusion: ASTR 1130

ASTR 1150
Introductory Astronomy: Stars and Galaxies
3 credits (3,0,0)
This is a general interest course on the night sky, stars and galaxies, and is intended for non-science majors. Topics include: telescopes and observing the night sky, radiation and spectra, stellar properties and evolution, black holes, the Milky Way and other galaxies and cosmology.

ASTR 3300
Topics in Astrophysics ***3 credits (3,0,3)***
This course presents selected topics in stellar and galactic astrophysics at a level suitable for upper level science students. Topics include telescopes, observing techniques and data reduction, stellar properties, stellar evolution, galactic kinematics and dynamics, and external galaxies. A three-hour laboratory takes place every other week, and students use the campus observatory on a regular basis.
Required Lab: ASTR 3300L
Prerequisite: PHYS 1150 and PHYS 1250 or PHYS 1100 and PHYS 1200, MATH 1130 and MATH 1230 or MATH 1140 and MATH 1240, MATH 2111

AUTO 1010
Automotive Service Technician Training 1
This foundation program course is designed to give students with little or no experience in the automotive field the necessary skills for employment as an apprentice mechanic in the Automotive Service Technician trade. General shop practice, automotive fundamentals, engines, basic test equipment, electrical systems, use of hand tools, drive axles, suspension, steering systems and braking systems, applied mathematics and safety education are covered. Graduates receive credit for first year apprenticeship technical training. 1500 hours on the job work experience is also required to receive Automotive Service Technician 1 certification

AUTO 2000
Automotive Service Technician Apprentice 1
Students are introduced to theory and gain hands-on shop experience in the following topics: workplace safety; employability skills; tools and equipment; general automotive maintenance; general automotive practices; basic electrical systems; and brake, steering and suspension systems.

AUTO 3000
Automotive Service Technician Apprentice 2

Students are introduced to theory and gain hands-on shop experience in the following topics: advanced electrical systems; heating, ventilation and air conditioning systems; engines; engine support systems; and hybrid vehicle safety.

AUTO 4000
Automotive Service Technician Apprentice 3

Students are introduced to theory and gain hands-on shop experience in the following topics: electrical and electronic systems; fuel delivery systems; electronic ignition systems, engine management systems; and emission control systems.

AUTO 5000
Automotive Service Technician Apprentice 4

Students are introduced to theory and gain hands-on shop experience in the following topics: clutch systems; manual transmissions; automatic transmissions; drive lines; all wheel and four wheel drive systems; and hybrid drive line technology.

AWCP 1700
General Animal Welfare *3 credits*

This course is intended for employees of animal care facilities who are relatively new to the organization. Material directly pertaining to the BCSPCA is included, however, all of the information can be utilized by a student interested in animals and the animal humane movement. Course topics include animal care, legal issues, human conflict resolution, the business of running a shelter, safety in the workplace and humane education.

AWCP 1710
Advanced Animal Welfare *3 credits (3,0,0)*

This course is directed at the more experienced employees of an animal care facility or at students with an extensive background in animal care. The emphasis is more on management techniques (fundraising, managing volunteers, managing employees). Animal and human-animal relations are investigated in more depth with an emphasis on activities outside the animal care facility (abuse investigations, injured domestic and wild animals, public education). Students with experience in these areas could proceed directly to AWCP 1710 without taking AWCP 1700. The modules in this course include Animal Care, Legal Issues, Human Conflict Resolution, Business Management, Humane Education, Managing Volunteers, Fundraising and Safety in the Workplace.

AWCP 0500
Animal Care

Students delve into the areas of animal anatomy, physiology, and the handling of animals often seen in an animal care facility. Topics include birds and wild animals, breed identification, animal disease, small animal nutrition, dog and cat first aid, microchipping, immunology, euthanasia, cleaning and disinfection, husbandry of rabbits and pocket pets, large animal handling and disease, avian nutrition, immunology and shelter enrichment. Videos produced at TRU, and included in the course package, demonstrate many of the animal handling techniques discussed in this course.

AWCP 0510
Safety in the Workplace

Students discuss safety issues, such as zoonotic disease, chemicals, environmental issues, WHMIS standards, and disposal of biomedical wastes. The course is designed to promote safety of the animal welfare person and their animal charges, and to provide education on the legal requirements surrounding the storage and handling of chemical or hazardous substances.

AWCP 0520
Humane Education

Students explore a wide range of humane issues, such as the history of the humane movement, violence prevention against animals, the link between animal and child abuse, teaching responsible pet care, building empathy, teaching controversial subjects, and how to build a humane program and network within a shelter. Students also discuss animals in therapeutic programs.

AWCP 0530
Small Animal Care

Student delve into the study of animal anatomy, physiology, and the practice of handling animals often seen in an animal care facility. Topics include birds and wild animals, breed identification, animal disease, small animal nutrition, dog and cat first aid, microchipping, immunology, euthanasia, cleaning and disinfection, and the husbandry of rabbits and pocket pets. Videos produced at TRU, and included in the course package, demonstrate many of the animal handling techniques discussed in this course.

AWCP 0540
Large Animal Care

Students build on the knowledge acquired from AWCP 0500: Animal Care (module 0100). Topics include large animal and wildlife handling and first aid. Immunology and avian nutrition are discussed in the supplied notes and DVDs, and animal diseases are explored in depth using a body systems approach. Students also consider the enrichment of the lives of shelter animals, and how they can be trained to be more adoptable

AWCP 0550
Humane Education - Advanced

This course is a continuation of AWCP 0520: Humane Education (module 0160). Topics include establishing a humane education program within a shelter, exploring animal issues, teaching controversial subjects, animals in therapeutic contexts and building a humane network.

AWCP 0560
Advanced Legal Issues

Students build on their knowledge of the issues discussed in AWCP 0570: General Legal Issues (module 0120) ,and progress from activities within the animal care facility, to focusing on legal issues that may be encountered when the animal care worker is out in public. These issues may include abuse investigations, entering private property, and incident investigatio

AWCP 0570
General Legal Issues

This course addresses the legalities of impounding a stray dog or a known aggressive dog found at large, the rights of clients, and enforcement of the laws pertaining to animal welfare. Basic ideas on enrichment and assessments are explored. This course relates the BC Provincial Prevention of Cruelty to Animals Act (PCA Act) and the Canadian Federal Criminal Code to daily operations in an SPCA shelter.

AWCP 0620
Basic Business Techniques

Since most animal care facilities are run independently and manage their own finances through fundraising, licensing, and fines, for example, it is important that their employees have some basic business skills. This course is broken down into several areas which begin to address these skill requirements, including such topics as bookkeeping, word processing and communication.

BBUS 3160
Canadian Securities and the Investment Industry
3 credits (3,0,0)

The Canadian Securities Institute course examines the fundamentals of investments and all aspects of the securities industry necessary to prepare students to write the Canadian Securities Licensing exam. Note: Students may not receive credit for this course towards the Finance Major. Students will receive general BBA credit.

BBUS 3440
Business-to-Business Marketing *3 credits (4,0,0)*

The marketing of products and services to business, organizations, and institutions is a major component of the marketing activity in the economy. This course focuses on the importance of micro-markets and the decision-making process and decision-making units in the organization. It further introduces students to the growing importance of E-Commerce in business-to-business marketing.
Prerequisite: MKTG 3430

BBUS 3620
Analytical Decision Making *3 credits (3,0,0)*

This competency-based, paced course covers the "decision tools" used by most managers. Using a multi-faceted decision-making model, students address workflow management, scheduling and charting, process analysis such as break-even, trade-off, and sensitivity analysis, financial decisions, cash flow, value of the dollar, inventory controls, strategic thinking, and more. Upon completion of the course, students have a portfolio of decision-making tools effective in their work environment.
Prerequisite: First-year university standing. Generally, this course is not open to students who have completed ADMN 313 and 314.

BBUS 4300
Procurement Management *3 credits (3,0,0)*

This course studies the methods used by organizations to acquire the raw materials, components, supplies, equipment, facilities, and services needed to operate. Topics include: role of procurement; organizational structures and procedures; information systems and procurement; price, cost, quality, quantity, transportation and delivery; make or buy decisions, in-sourcing, and out-sourcing; supplier selection and relations; global procurement; public sector procurement; supply chain management for services, capital items, and major projects; public sector procurement; e-procurement; and procurement law and ethics.
Prerequisite: SCMN 3320

BBUS 4680
Leading Projects to Success ***6 credits (3,0,0)***
This competency-based, paced course provides students with essential knowledge, skills, and competencies to lead a project to a successful completion. The course combines the operational aspects of managing a project with the leadership qualities required to inspire the project team and to interact with project stakeholders. Attention is given to analyzing project feasibility, developing processes to accomplish the work, applying strategies to lead people and motivate teams, and creating contingency plans to reduce risks. The course challenges students to apply their knowledge directly to a course project. Students must select and analyze the feasibility of their proposed project. As part of the competency assessment, students are assessed on their ability to lead a project through all project phases: planning, implementing, controlling/managing, and closing out. Students are supported throughout the course by a student support team (project triad), course facilitator, and project sponsor.
Prerequisite: BBUS 3611 (previously ADMN 361) and BBUS 3641 (previously ADMN 364) and 60 credits of post-secondary education

BIOL 1040
Biology of the Environment (L) ***3 credits (3,0,3)***
Non-science students who have a keen interest in the environment focus on the underlying ecological principals that shape our world. They then proceed to evolution and the ecological diversity to which it leads. A consideration of the tremendous increase in human population growth leads students to identify both renewable and non-renewable resources, acid rain, climate change, toxins in the environment, and the biodiversity crisis. The course ends with a discussion on ecologically sustainable development. Labs and field trips enhance students' learning experience.
Required Lab: BIOL 1040L
Prerequisite: 1st year standing

BIOL 1050
Biology of Humans (L) ***3 credits (3,0,3)***
This course is designed as a science elective for Arts and Education students, or others interested in Human Biology; no previous background in biology or science is required. Students learn about the molecules, cells and tissues that comprise the human body, selected body systems, and diseases that affect them. Cell division and cancer is discussed, as well as the structure and function of DNA. Inheritance, genetic diseases and genetic engineering are also considered. Labs contribute to the understanding of this material by providing hands-on experience. Students participate in a group project to research a topic of their choice in relation to any human disease. Science students do not receive credit for Biology 1050.
Required Lab: BIOL 1050L.
Prerequisite: First year standing at TRU

BIOL 1110
Principles of Biology 1 (L) ***3 credits (3,0,3)***
This course is designed for biology or science majors. Students examine the molecular basis of cellular processes including energy transfer and the storage and use of genetic information.
Required Lab: BIOL 1110L
Prerequisite: Biology 11 with a C+ or better or Biology 12 with a C+ or better Chemistry 11 or CHEM 0500

BIOL 1210
Principles of Biology 2 (L) ***3 credits (3,0,3)***
This course offers a survey of the kingdoms of life, while emphasizing their ecology and evolutionary relationships.
Required Lab: BIOL 1210L
Prerequisite: Biology 11 with a C+ or better or Biology 12 with a C+ or better or BIOL 500 with a C+ or better BIOL 0600 with a C+ or better BIOL 620 with a C+ or better Chemistry 11 or CHEM 0500

BIOL 1590
Human Biology: Anatomy and Physiology 1 (L)
3 credits (3,0,2)
This course is intended primarily for students taking the Nursing and Respiratory Therapy programs. However, space is also available for Academic students. Students examine the anatomy and physiology of the human organ systems over the course of two semesters, while focusing on the relationship between structure and function.
Required Lab: BIOL 1590L
Prerequisite: Biology 12 with a C+ minimum and Chemistry 11 or CHEM 0500
Exclusion: BIOL 3540

BIOL 1690
Human Biol: Anatomy and Physiology 2 (L)
3 credits (3,0,2)
This is a continuation of Biology 1590: Human Biology: Anatomy and Physiology 1, in which students examine the anatomy and physiology of the human organ systems over the course of two semesters, while focusing on the relationship between structure and function.
Required Lab: BIOL 1690L.
Prerequisite: BIOL 1590
Exclusion: BIOL 3550

BIOL 2130
Cell Biology ***3 credits (3,1,3)***
Students examine eukaryotic cells, while relating structure to function. Topics include instrumentation and techniques used for studying cells and their inner workings; molecules common in various cellular structures; the structure and function of the plasma membrane, cytoplasm and organelles; transport of materials within the cell and secretion; intercellular communication and programmed cell death (apoptosis); and the medical implications of understanding cellular and molecular biology.
Required Lab: BIOL 2130L
Required Seminar: BIOL 2130S.
Note: Labs and seminars are offered in alternate weeks
Prerequisite: BIOL 1110 with a C minimum CHEM 1500 and CHEM 1510 or CHEM 1500 and CHEM 1520
Recommended: CHEM 2120

BIOL 2160
Introductory Microbiology (L) ***3 credits (3,0,3)***
Students are introduced to the world of microorganisms, including bacteria, yeasts, fungi, and viruses, and the important roles they play in ecosystem health. Focusing on the principles and applications of microbiology, course topics include microbial physiology; growth and growth control; gene transfer; gene expression and environmental sensing; disease; and environmental biotechnologies such as wastewater treatment, bioremediation and industrial microbiology. Laboratory sessions provide hands-on training in cell culture techniques, applied microbiology, and manipulation of DNA.
Required Lab: BIOL 2160L
Prerequisite: BIOL 1110 and BIOL 1210, CHEM 1500 and CHEM 1510 or CHEM 1500 and CHEM 1520

BIOL 2170
Introduction to Ecology (L) ***3 credits (3,1,3)***
Ecology can be described as the scientific study of the natural world. Students are introduced to the basic principles of ecology, and examine relationships among organisms and their environment: from the level of the individual up through populations, communities and ecosystems.
Note: (if applicable): Required Lab: BIOL 2170L Required Seminar: BIOL 2170S (seminars take place in weeks where labs are not offered)
Prerequisite: BIOL 1110, BIOL 1210

BIOL 2270
Field Ecology (L) ***3 credits (125 hours)***
This course is an intensive, two-week field course and will examine the pieces, patterns, and processes present in regional landscapes. For immediate present, we foresee offering this course in Southern British Columbia, but the actual landscape may change depending upon the year. Within each landscape visited, the individual pieces (the flora and fauna) and the patterns they form will be identified in an intensive 2-week long field trip. As our understanding of the pieces and patterns develops, we will examine the climatic, geological and biotic processes determining patterns observed in the field. We will pay particular interest to the impact humans have had on the natural history of each landscape covering such topics as invasive species, habitat fragmentation, and global climate change.
Prerequisite: Completion of 24 credits or permission of the instructor.

BIOL 2280
The Evolutionand Ecology of Land Plants (L)
3 credits (3,0,3)
Through an evolutionary perspective, students examine solutions to the difficulties of life on land that are inherent in the biology of land plants. The course spans groups of plants ranging from miniscule bryophytes to gargantuan trees, both extant and extinct. A weekend field trip is included.
Required Lab: BIOL 2280L.
Prerequisite: BIOL 1110, BIOL 1210

BIOL 2290
Evolution of Animal Body Plans (L) ***3 credits (3,0,3)***
Students explore the spectacular diversity of animal body plans, and examine the sequence of events that lead to this diversity. Lectures and laboratories emphasize the link between body form, function and phylogeny. The course highlights the diverse roles animals play in natural ecosystems as well as their implications for humans, and

examines how animal morphology, development, and molecular biology allows us to reconstruct the phylogenetic tree of the Animalia.
Required Lab: BIOL 2290L
Prerequisite: BIOL 1110, BIOL 1210

BIOL 2300
Communicating Biology 1 ***1 credit (0,1,0)***
The communication of scientific discovery is fundamental to all disciplines in Biology. Students develop their ability to convey scientific information and to read scientific literature with understanding.
Prerequisite: ENGL 1100, Second year standing

BIOL 2340
Introduction to Genetics ***3 credits (3,1,3)***
This course offers a general survey of basic concepts in genetics, with particular emphasis on classical Mendelian genetics, chromosomes and cytogenetics, bacterial genetics with an introduction to gene cloning methods, and the structure, regulation and mutation of genes.
Required Lab: BIOL 2340L
Required Seminar: BIOL 2340S.
Labs and seminars are offered in alternate weeks
Prerequisite: BIOL 1110 with a C minimum BIOL 1210 with a C minimum
Recommended: BIOL 2130

BIOL 3000
Biometrics (L) ***3 credits (3,0,2)***
Students are introduced to statistical procedures for biological research. Topics include the nature of data, probability, hypothesis testing, goodness of fit, analysis of variance, correlation, and regression. The computer lab laboratory provides students with hands-on computer experience in graphical and statistical analysis.
Required Lab: BIOL 3000L.
Prerequisite: MATH 1140 and MATH 1240 or MATH 1150 and MATH 1250, 3rd year standing
Exclusion: Students may normally receive credit for only one of the following: BIOL 3000, BUEC 2320, MATH 1200, PSYC 2100, SOCI 2710, SOCI 3710, STAT 2000

BIOL 3030
Population Biology ***3 credits (3,1,0)***
Students are introduced to the study of plant and animal populations and their physical and biological environments. Topics include natural selection and microevolution, demography, population dynamics, competition and predation.
Required Seminar: BIOL 3030S
Prerequisite: BIOL 2170 with a C minimum or NRSC 2100 with a C minimum

BIOL 3100
Introduction to Animal Behaviour (L) ***3 credits (3,0,3)***
Students examine the biological basis of animal behaviour including the genetics and development of behaviour, mate choice, communication, and social behaviour.
Required Lab: BIOL 3100L
Prerequisite: BIOL 1110 with a C minimum and BIOL 1210 with a C minimum
Corequisite: BIOL 3000

BIOL 3130
Introduction to Biochemistry ***3 credits (3,0,0)***
Students examine cellular chemistry and the structure and function of biological molecules including nucleic acids, enzymes and other proteins, carbohydrates, lipids, and vitamins. The course also provides an introduction to metabolic pathways and bioenergetics including DNA synthesis, transcription and translation, glycolysis, fermentation and respiration, oxidation of fatty acids, and photosynthesis.
Prerequisite: BIOL 2130 with a C minimum CHEM 2120 and CHEM 2220

BIOL 3200
Immunology ***3 credits (3,0,0)***
This course addresses the underlying physiological functions of immunology, including tissues, cells, and molecules of the immune system; innate immunity and complement; adaptive immunity-cellular and humoral immune responses; cytokines; T cell activation; the major histocompatability complex; antibody structure and genetics; the immune system and cancer; AIDS; autoimmunity; and hypersensitivity.
Prerequisite: BIOL 2130 with a C minimum

BIOL 3210
Microbial Ecology ***3 credits (3,0,0)***
This course addresses the importance of microorganisms in nature and societies. The interrelationship between microorganisms, plants, animals and their habitats and the role of these relationships in the maintenance of ecological balance is emphasized.
Prerequisite: BIOL 2100 and BIOL 2200, CHEM 2120 and CHEM 2220
Recommended: BIOL 3130 and BIOL 3230 and BIOL 3520, BIOL 2130 with a C minimum

BIOL 3230
Biochemistry ***3 credits (3,0,0)***
This course offers a series of comprehensive lectures on the structure, function, synthesis and degradation of macromolecules (nucleic acids, proteins, lipids, carbohydrates). In addition, the regulatory mechanisms involved in these processes are addressed.
Prerequisite: BIOL 3130 with a C minimum

BIOL 3290
Ichthyology (L) ***3 credits (3,0,3)***
This course educates students in the systematics, anatomy, physiology, life history, and ecology of freshwater and marine fishes. Students learn to identify local freshwater fishes, and salmon species. This course is a cross-listing of NRSC 3170
Prerequisite: BIOL 2170 with a C minimum
Corequisite: BIOL 3030

BIOL 3300
Communicating Biology 2 ***1 credit (0,1,0)***
The communication of scientific discovery is fundamental to all disciplines in biology. Students continue to develop their ability to convey scientific information and to read the scientific literature with understanding.
Prerequisite: ENGL 1100 or ENGL 1110, BIOL 2300, Third-year standing in a Biology Major
Corequisite: Enrollment in a third year biology course.

BIOL 3310
Developmental Biology (L) ***3 credits (3,0,3)***
Students explore animal development and its underlying principles, including an introduction to embryology. BIOL 3310 is offered on alternate years.
Required Lab: BIOL 3310L.
Prerequisite: BIOL 2130 with a C minimum BIOL 2340 with a C minimum
Corequisite: BIOL 3130 and BIOL 3350

BIOL 3350
Molecular Genetics ***3 credits (3,1,0)***
The discipline of molecular genetics focuses on the structure, organization and regulated expression of heritable information molecules. A significant segment of the course is devoted to the molecular tools used to query and manipulate biological systems. Students also read and discuss current literature on molecular genetics in Seminars.
Required Seminar: BIOL 3350S
Prerequisite: BIOL 2130 with a C minimum and BIOL 2340 with a C minimum
Corequisite: BIOL 3130

BIOL 3430
Plants and People (L) ***3 credits (2,1,2)***
Students explore the human use of plants in the past, the present, and the future, including the origins, evolution and dispersal of plants important to humankind (such as food crops, herbs and spices, medicinal and drug plants, and ornamentals). The social and economic implications of biotechnology and the ecological impact of our current loss of plant biodiversity is also examined. BIOL 3430 is offered on alternate years.
Prerequisite: Third-Year Standing

BIOL 3510
Plant Physiology (L) ***3 credits (3,0,3)***
Students are introduced to the mechanisms and regulation of functional processes within plants that contribute to their growth, assimilation, transport and utilization of water, nutrients, and carbon. BIOL 3510 is offered on alternate years.
Required Lab: BIOL 3510L.
Prerequisite: BIOL 2280 with a C minimum

BIOL 3520
Cell Physiology (L) ***3 credits (3,0,3)***
Students are introduced to the physiochemical basis for cellular activity, with emphasis on energy relationships, functions of cell parts, integration and internal control of cellular activities, and the mechanisms of influence of external factors. Laboratory work provides hands-on experience with the techniques and apparatus used to study cell function. Required Lab: BIOL 3520L
Prerequisite: BIOL 3130 with a C minimum

BIOL 3540
Human Physiology 1 (L) ***3 credits (3,0,3)***
This course provides an introduction to the concepts, principles, and mechanisms that underlie our current understanding of vertebrate physiology. Students explore the components of homeostatic control systems and investigate the integration of these

components into functional systems that maintain the steady state in the internal environment.
Required Lab: BIOL 3540L. Labs are run alternate weeks
Prerequisite: BIOL 2130 with a C minimum
Corequisite: BIOL 3130
Exclusion: BIOL 1590

BIOL 3550
Human Physiology 2 (L) *3 credits (3,0,3)*

Students examine the systems that allow animals to maintain homeostasis under a variety of environmental conditions and levels of activity. Topics include gas exchange, regulation of water balance and inorganic ions, digestion and absorption of food, and the regulation of metabolism.
Required Lab: BIOL 3550L. Labs are run alternate weeks.
Prerequisite: BIOL 3540 with a C minimum
Exclusion: BIOL 1690

BIOL 3980
Introduction to Research *1 credit (0,1,0)*

This course is available to 3rd year students contemplating entry into the Honours program or undertaking a Directed Studies research project in their 4th year. The seminar focuses on formulation of a research hypothesis and production of a research proposal in preparation for application to do an Honours or Directed Study research project. Honours students are expected to take this course, although the learning objectives may be completed under the supervision of an individual faculty member.
Prerequisite: 3rd year standing in a Bachelor of Science degree program or Bachelor of Natural Resource Science program

BIOL 4020
Limnology (L) *3 credits (3,0,3)*

This course offers theoretical and applied aspects of limnology. Students consider the ecology of inland water organisms in relation to the physical, chemical, and biological factors that affect their interactions and production.
Note: This course is a cross-listing of NRSC 3260
Required Lab: BIOL 4020L.
One weekend field trip is required
Prerequisite: BIOL 3000, BIOL 3020, BIOL 3030 (C minimum)

BIOL 4090
Field Methods in Terrestrial Ecology *3 credits*

Students participate in an intensive two-week exploration in the field methods used to study terrestrial ecosystems. The course is typically offered immediately after exams in the Winter semester (usually late April or early May). Students learn the field techniques needed for studies of terrestrial ecosystems and carry out individual projects of their own design. Facilities such as the Wells Gray Education and Research Centre are used and a fee is required to meet living expenses.
BIOL 4090 is offered on alternate years
Prerequisite: BIOL 3000 with a C minimum, BIOL 3020 with a C minimum, BIOL 3030 with a C minimum
Recommended: BIOL 3100

BIOL 4100
Field Methods in Marine Ecology *3 credits*

Students participate in an intensive two-week exploration in the field methods used to study marine ecosystems. The course is typically offered immediately after exams in the Winter semester (usually late April or early May). Students learn field and laboratory techniques for sampling, experimentation, and analysis of marine organisms and ecosystems, and carry out individual projects of their own design. Facilities such as the Bamfield Marine Station is utilized, and a fee is required to meet living expenses.
BIOL 4100 is offered on alternate years
Prerequisite: BIOL 3030 with a C minimum or BIOL 2170 with a C minimum and BIOL 2290 with a C minimum

BIOL 4110
Advanced Microbiology Lab (L) *3 credits (1,1,3)*

Students apply theories learned in microbiology, biochemistry, and molecular biology in a hands-on laboratory environment. Emphasis is placed on gaining a deeper understanding of microbial physiology and ecology, and harnessing the diversity of the microbial world to produce value-added products. Students are involved in all aspects of the scientific process including designing experiments, collecting and analyzing data, and preparing formal written reports.
Required Lab: BIOL 4110L
Required Seminar: BIOL 4110S
Prerequisite: BIOL 2160, BIOL 2130, CHEM 2120 and CHEM 2220
Recommended: BIOL 3210

BIOL 4130
Molecular Evolution *3 credits (3,0,0)*

The theory of evolution is the single thread that binds together the diverse disciplines that make up the biological sciences. The development of DNA sequencing methodologies since the turn of the century has had an enormous impact on our understanding of the process of evolution. Students focus on how DNA sequence informs us about evolutionary processes.
Prerequisite: BIOL 3350 with a C minimum

BIOL 4140
Evolution *3 credits (3,0,0)*

This course offers a critical appraisal of the evidence for evolution. Students consider the basic principles of natural selection, and the nature and origin of species and higher categories.
Prerequisite: One of BIOL 2150/2250/2110/2210 and one of BIOL 3020/3030 (C minimum)

BIOL 4150
Biochemical Techniques 1 (L) *3 credits (1,1,3)*

In this laboratory-based course, students are introduced to the techniques used to isolate and study enzymes and other proteins. Emphasis is placed on the development of basic laboratory skills in the context of isolating, purifying and analyzing an enzyme, and lactate dehydrogenase.
Required Lab: BIOL 4150L
Required Seminar: BIOL 4150S
Prerequisite: BIOL 3230 with a C minimum

BIOL 4160
Principles of Conservation Biology *3 credits (2,2,0)*

Students explore the theory and practice relating to the conservation of threatened organisms and their habitats. Topics include the genetics and demography of small and fragmented populations; global and local conservation problems; and case histories of the conservation of endangered animals and plants. The course includes two compulsory weekend field trips.
Prerequisite: BIOL 3030 with a C minimum
Exclusion: NRSC 3220

BIOL 4210
Microbial Physiology *3 credits (3,0,0)*

Students are introduced to the diversity and complexities of the biochemistry and physiology of microbes. The emphasis is on bacterial growth and its modifications in different environments.
Prerequisite: BIOL 2100 and BIOL 2200, BIOL 3130 and BIOL 3230, BIOL 3350
Recommended: BIOL 3520

BIOL 4250
Biochemical Techniques 2 (Recombinant DNA) (L)
3 credits (1,1,3)

In this laboratory-based course, students practice the techniques used to isolate and manipulate nucleic acids. Emphasis is placed on the development of basic laboratory skills and their application to manipulate recombinant DNA molecules.
Required Lab: BIOL 4250L
Required Seminar: BIOL 4250S
Prerequisite: BIOL 3130 with a C minimum and BIOL 3350 with a C minimum
Recommended: BIOL 3230 and BIOL 4150,

BIOL 4260
Plant Ecology (L) *3 credits (3,0,3)*

Students examine the ecology of plants at an individual, population, and community scale. The ecological physiological constraints of being a plant is reviewed before exploring species interactions with the natural environment and with other species. Students also consider plant community patterns in time and space. Topics include issues in plant conservation, community attributes such as productivity and diversity, and the influence of scale and heterogeneity on sampling design and analysis. Field trips may occur on weekends. This course is offered in alternate years.
Required Lab: BIOL 4260L.
Prerequisite: BIOL 2170 and BIOL 2280

BIOL 4270
Terrestrial Vertebrate Zoology (L) *3 credits (2,0,3)*

This advanced zoology course offers an examination of the origins, natural history and behavioral ecology of terrestrial vertebrates. Students construct hypotheses about the paleontological history of each living group of terrestrial vertebrates. Traits of extinct and living forms are used to analyze how adaptation to different environments has generated the diversity within each living group. Laboratory periods and field trips provide opportunities for students to observe the classification, life histories and ecology of species found in British Columbia. Note: Field trips may occur on weekends.
Prerequisite: BIOL 2170 with a C or better BIOL 2290 with a C or better

BIOL 4300

Communicating Biology 3 ***1 credit (0,1,0)***

The communication of scientific discovery is fundamental to all disciplines in biology. Students augment the skills developed in BIOL 2300 and 3300, and further develop their ability to convey scientific information and to read the scientific literature with understanding. Students are also introduced to the typical formats and media in which scientific results are presented.

Prerequisite: ENGL 1100 or ENGL 1110, BIOL 3300, At least third year standing in a Biology Major.

Corequisite: Enrollment in a third or fourth year Biology course.

BIOL 4350

Regulation of Gene Expression ***3 credits (3,1,0)***

The heritable information stored in the genome of an organism is expressed in a highly regulated fashion to respond to changes in the environment (prokaryotes and unicellular eukaryotes), or to generate a diverse set of cell types (metazoans). Students examine the molecular mechanisms underlying the regulation of gene expression in prokaryotes and eukaryotes.

Prerequisite: BIOL 3350 with a C minimum and BIOL 3130 with a C minimum

BIOL 4480

Directed Studies in Biology (L) ***3 credits (3,0,0)***

This course is designed to allow students to undertake an investigation on a specific topic as agreed upon by the faculty member and the student.

Prerequisite: Permission of the supervisor and co-supervisor required.

BIOL 4490

Advanced Seminar -Select Topics in Biology

3 credits (1,2,0)

In this advanced seminar course, students focus on recent developments in modern biology. Topics are selected from the instructor's area of expertise and vary from year to year.

Prerequisite: 4th year standing and permission of the Instructor

BIOL 4980

Honours Seminar Biological Sciences ***2 credits (0,2,0)***

Students enrolled in the Biology Honours program explore and discuss topics of particular relevance to the field of biological science with a focus on how scientific research is carried out and presented. Honours students are also provided with constructive criticism of their thesis research project. The seminars consist of readings, group discussions, and presentations by students, interested faculty and guest speakers. Note: (if applicable): Students register in this course in the Fall and Winter semesters of their last academic year of study.

Prerequisite: Acceptance into the Biology Honours program, upon completion of 3rd year of a Bachelor of Science program with a Major in Biology. General requirements for acceptance are: 4th year standing in the Bachelor of Science program, minimum GPA of 3.0, with at least a B- in all BIOL and required ENGL courses, and identification of a supervisor for the Honours Thesis (BIOL 4990).

Corequisite: BIOL 4990. This course is available only to students accepted into the Biology Honours program of the Bachelor of Science degree. It is taken at the same time as BIOL 4990.

BIOL 4990

Honours Thesis in Biological Sciences ***6 credits (3,0,0)***

Students are required to conduct an original research project in the Biology Honours program of the Bachelor of Science (BSc) degree. The project is completed under the direction of a faculty member in the Department of Biological Sciences, or a scientist from outside the department with co-supervision by a Biology faculty member. Students accepted into the Biology Honours program register in this course in both the Fall and Winter semesters of their final academic year.

Prerequisite: Acceptance into the Biology Honours Program, upon completion of 3rd year of a BSc with a Major in Biology. General requirement for acceptance are: 4th year standing in the BSc program Minimum GPA of 3.0, with at least a B-in all BIOL and required ENGL courses and identification of a supervisor for the Honours Thesis (BIOL 4990)

Corequisite: BIOL 4980

BLAW 2910

Commercial Law ***3 credits (3,0,0)***

Students examine the legal environment in which businesses operate and how common law and different provincial and federal government statutes influence decision making. Topics include the legal system and the law relating to torts, contracts, forms of business organization, agency, sale of goods, consumer protection, competition, credit, real estate, the environment, intellectual property, international business and employment.

Prerequisite: ENGL 1100

Exclusion: TMGT 2250

BLAW 3920

Employment Law ***3 credits (3,0,0)***

Students investigate the legal principles and law relating to the individual employer-employee relationship and how its influences business decision making. Case law and statutes are studied in depth to reinforce an understanding of the legal concepts. Topics include human rights issues; the contract of employment; legal issues during employment; statutes that impact the employment relationship; monitoring the employment relationship; and termination of employment.

Prerequisite: BLAW 2910, HRMN 2820

BUSN 3980

Business Research Methodology ***3 credits (0,3,0)***

Students learn to identify and formulate a research question, select and apply appropriate quantitative and qualitative research methods, and present research findings. A strong focus is placed on ethical issues relevant for research in the business and economics disciplines. Topics include an introduction to research methodology; defining the problem statement; critical literature review; theoretical framework and hypothesis development; elements of research design; data collection methods; experimental designs; experimental designs; measurement of variables; sampling; research reports; research ethics; and a review of quantitative data analysis.

Prerequisite: CMNS 1290, ECON 2330 or equivalent

BUSN 3990

Special Topics Business Administration

3 credits (3,0,0)

The subject matter varies from semester to semester depending upon the interests of students and faculty. Courses are taught by visiting professors to instill their unique perspectives or regular faculty to address emerging topics in a discipline, share research or teaching interests, or test potential new courses.

Prerequisite: Permission of the Program Advisor.

Exclusion: no more than 6 credits of special topics courses may be taken for credit towards the Bachelor of Business Administration.

BUSN 4960

Directed Studies in Business Administration

6 credits (3,0,0)

Individuals or groups of students engage in independent study, research, or practice related to a topic in business administration under faculty supervision. The supervisor(s) determines the appropriate curriculum, evaluation methods, and credit assignment in consultation with students and subject to the approval of the department chairperson(s) and dean.

Prerequisite: Permission of the program advisor

BUSN 4980

Honours Thesis ***6 credits (0,3,0)(0,3,0)***

Students in the Honours Option-Thesis route in the Bachelor of Business Administration degree prepare and defend a thesis in accordance with the policies established by the School of Business and Economics. The thesis is completed under the supervision of a faculty member and is evaluated by a thesis defence/examining committee.

Prerequisite: BUSN 3980, permission of the program advisor

BUSN 4990

Special Topics in Business Administration

3 credits (3,0,0)

The subject matter varies from semester to semester depending upon the interests of students and faculty. Courses are taught by visiting professors to instill their unique perspectives or regular faculty to address emerging topics in a discipline, share research or teaching interests, or test potential new courses.

Prerequisite: Permission of the program advisor

Exclusion: No more than 6 credits of special topics courses may be taken for credit towards the Bachelor of Business Administration diploma.

BUSN 5010

Managerial Statistics ***3 credits (3,0,0)***

Students examine the statistical methods and tools required for decision making in today's business environment. Topics include descriptive statistics and numerical measures, statistical inferences with two populations, hypothesis tests and nonparametric methods, analysis of variance, simple regression models, multiple regression models, regression and the model building process, regression models with categorical dependent variables, applied models with categorical dependent variables, forecasting in business, and decision analysis.

Prerequisite: Admission to the Graduate Certificate in Business Administration

BUSN 5020

Financial Accounting ***3 credits (3,0,0)***

Students acquire the knowledge and skills necessary to understand financial statements. They analyze the many accounting policy choices available to companies, and the consequences of these choices for users. Topics include recording basic financial transactions, financial statement preparation, adjusting entries, accounting for receivables and inventories, depreciation and sale of capital assets, bonds and long-term debt, equity transactions, the cash flow statement, revenue and expense recognition, and leases and pensions.
Prerequisite: Admission to the Graduate Certificate in Business Administration

BUSN 5030
Management Accounting ***3 credits (3,0,0)***
Students explore the three functions managers must perform within their organizations: planning operations, controlling activities, and making decisions. To perform these functions efficiently, managers must collect and interpret appropriate information based on the firm's long-term strategy and annual objectives. Topics include an introduction to management accounting; costs and cost behavior; job costing; activity-based costing; cost behavior and the contribution margin; budgeting; budget variances and performance evaluation; variable costing, lean production, and segmented reporting; performance measures and the balanced scorecard; short-term decision analysis; and fraud controls and ethics.
Prerequisite: BUSN 5020

BUSN 5040
Global Economics ***3 credits (3,0,0)***
Students develop an understanding of the theoretical framework within which the performance of an economy can be analyzed. Topics include an overview of macroeconomics; measurement of income, prices, and unemployment; national income determination; money, banks, and central bank; the IS-LM model; financial market and economic instability; government budget, debt, and limitations of fiscal policy; international trade, exchange rate, and macroeconomic policy; aggregate demand and aggregate supply; inflation; stabilization policies; and the theory of economic growth.
Prerequisite: Admission to the Graduate Certificate in Business Administration

BUSN 5050
Marketing Management ***3 credits (3,0,0)***
Students examine the key principles and concepts of marketing in a variety of contexts including nonprofit, international, environmental, and service issues. Topics include marketing strategy, marketing research, customer relationship management, market segmentation, branding, pricing strategies, channels of distribution, integrated marketing communications, and international marketing.
Prerequisite: Admission to the Graduate Certificate in Business Administration

BUSN 5060
Human Resource Management ***3 credits (3,0,0)***
Students acquire the knowledge and skills required to effectively design and manage a human resource management system. Human resource management systems that are aligned with strategic objectives and capable of attracting, deploying, developing, and retaining human capital are key contributors to organizational competitiveness and success. Topics include the strategic role of human resource management; the legal environment; designing and analyzing jobs; planning and recruitment; selection; orientation and training; performance appraisal; compensation; employee benefits and services; occupational health and safety; effective employee relations; and labour relations, collective bargaining, and contract administration.
Prerequisite: Admission to the Graduate Certificate in Business Administration

BUSN 6010
Ethics and Corporate Social Responsibility
3 credits (3,0,0)
Students become more effective decision makers by examining the meaning and role of ethics in the business environment, and the social responsibility of business organizations. Topics include the relationship between business and society; identifying stakeholders and issues; the theoretical basis of business ethics; business ethics in management and leadership; the concept of corporate social responsibility; corporate social responsibility in practice; regulating business; ownership and governance of the corporation; environmental and business responsibilities; globalization and business responsibilities; and ethics, responsibilities, and strategy.
Prerequisite: Admission to the Master of Business Administration degree program

BUSN 6020
Corporate Finance ***3 credits (3,0,0)***
Students acquire the knowledge and skills required to effectively manage a firm's operating and fixed assets, and to fund those assets with an optimal mix of short-term and long-term debt and equity financing. Topics include goals of the firm, corporate governance and executive compensation, time value of money, financial statement analysis, financial reporting quality, maturity matching of assets and liabilities, financial planning, capital budgeting, risk and return and stock valuation, bond valuation and interest rates, cost of capital, capital structure, and dividend policy.
Prerequisite: Admission to the Master of Business Administration degree program

BUSN 6030
International Business ***3 credits (3,0,0)***
Students are introduced to the basic concepts of international business and competition from a manager's perspective. Topics include country differences in political economy, the cultural environment, ethics in international business, international trade theories, the political economy of international trade, foreign direct investment, regional economic integration, the foreign exchange market, the global monetary system, global strategy, global marketing and research and development, and global human resource management.
Prerequisite: Admission to Master of Business Administration degree program

BUSN 6040
Leadership and Organizational Development
3 credits (3,0,0)
Students adopt a systematic understanding of the characteristics of a successful leader and what is required by leaders to attune and align organizations to the ever-changing global business environment. Topics include new realities as a force for change; the prime task of leadership – identifying new realties; critical systems thinking; philosophies, theories, and styles of leadership; the systematic leadership approach; authority, obedience, and power; authority, power, leadership, and group dynamics; organizational behavior, group dynamics, and change; the shadow side of leadership; leadership and ethics; systematic leadership and strategy; and 'the leader in you'.
Prerequisite: Admission to the Master of Business Administration degree program

BUSN 6050
Supply Chain Management ***3 credits (3,0,0)***
Students acquire the knowledge and basic skills to effectively design a supply chain for an organization. Topics include an introduction to supply chain, the importance of information technology, supply chain slacks, demand management, supply management, inventory management, production management, transportation management, location analysis, sourcing decisions, supply chain strategy, and an overview of special types of supply chains such as green and humanitarian aid supply chains.
Prerequisite: Admission to the Master of Business Administration degree program

BUSN 6060
Strategic Management Information Systems
3 credits (3,0,0)
Students learn to effectively manage a firm's information and technology assets in order to meet the information needs of the organization. Topics include information systems strategies, the development of information system assets, organizational information infrastructure, databases and data management including decision making support, enterprise resource planning systems, ebusiness, social media use by organizations, information security and risk management, innovating with information technology, and leadership and management of information systems.
Prerequisite: Admission to the Master of Business Administration degree program

BUSN 6070
Project Management and Consulting Methods
3 credits (3,0,0)
Students explore the concepts and practical techniques to apply consulting methods in their work and to participate in, or manage, complex projects. Topics include the five stages of the consulting process (entry and contracting, discovery and dialogue, analysis and the decision to act, engagement and implementation, and closing); analysis and presentation techniques; and an examination of the five major project process groups (project initiation, planning, execution, controlling, and closing).
Prerequisite: BUSN 6040

BUSN 6080
Strategic Management ***3 credits (3,0,0)***
Students examine the role of senior management in developing and implementing corporate strategy in a global context. They learn to analyze the firm's external and internal environment to identify and create competitive advantage, as well as to formulate, implement, and evaluate cross-functional decisions that directly affect the ability of an organization to achieve its stated objectives. Topics include an introduction to strategic management, measures of firm performance, analysis of the external and internal environments, business-level and corporate-level strategy, acquisition and restructuring strategies, international strategies, corporate governance, organizational structures and controls, strategic leadership, and corporate social responsibility and ethics.
Prerequisite: Completion of all other Master of Business Administration core courses

BUSN 6150
Advanced Marketing Management ***3 credits (3,0,0)***

Students acquire the knowledge and skills required to develop, implement, and control successful marketing strategies. Topics include the art of case analysis; consumer behavior; marketing research and competitive analysis; marketing segmentation and position; market entry and pricing; retail selling, private labels, and channels of distribution; marketing communications; Internet marketing; corporate social responsibility and nonprofit marketing; sales management; and international marketing.
Prerequisite: Admission to the Master of Business Administration degree program

BUSN 6210
Advanced Corporate Finance *3 credits (3,0,0)*

Building on BUSN 6020: Corporate Finance, students continue to develop their knowledge and skills in corporate finance. Topics include long-term financial planning; sources of long-term financing; working capital management; sources of short-term financing; international corporate finance; risk management; business valuation; mergers and acquisitions; corporate restructuring; bankruptcy, reorganization, and liquidation; and Economic Value Added.
Prerequisite: BUSN 6020

BUSN 6250
Decision Analysis and Modelling *3 credits (3,0,0)*

Students learn to integrate personal judgment and intuition in realistic business situations with the most widely applicable methodologies of decision and risk analysis, probability and statistics, competitive analysis, and management science. Topics include an introduction to decision analysis and modelling; spreadsheet engineering and error reduction; framing decision analysis problems; framework for analyzing risk; data analysis; resource allocation with optimization models; multi-period deterministic models; multi-factor deterministic models; regression modelling; strategic interactive decisions; and interpreting models, data, and decisions.
Prerequisite: Admission to the Master of Business Administration degree program

BUSN 6310
Innovation and Entrepreneurship *3 credits (3,0,0)*

Students acquire the knowledge and skills required to manage the development of innovations, to recognize and evaluate potential opportunities to monetize these innovations, to plan specific and detailed methods to exploit opportunities, and to acquire the resources necessary to implement plans. Topics include entrepreneurial thinking, innovation management, opportunity spotting and evaluation, industry and market research, business strategy, business models and business plans, financial forecasting and entrepreneurial finance, pitching to resource providers and negotiating deals, and launching new ventures.
Prerequisite: BUSN 6020

BUSN 6950
Research Methods, Preparation, and Presentation
3 credits (3,0,0)

Students receive an overview of the scientific method, research preparation, and the styles of communication used to disseminate research at the graduate level. Topics include the role of business research, theory and the business research process, organization structure and ethical issues, defining a research problem, qualitative research tools, survey research, observation methods and experimental research, measurement and scaling concepts, sampling and sample size, working with data, quantitative statistical analysis, and writing a research report.
Prerequisite: Approval of the Master of Business Administration degree program committee

BUSN 6960
Graduate Thesis *12 credits*

Students in the Graduate Thesis Option in the Master of Business Administration degree program prepare and defend a thesis in accordance with the policies established by the Research, Innovation, and Graduate Studies Office. The thesis is completed under the supervision of a faculty member and a thesis supervisory committee and evaluated by a thesis defence/examining committee.
Prerequisite: BUSN 6950

BUSN 6970
Graduate Project *9 credits*

Students in the Graduate Project Option in the Master of Business Administration degree program prepare and defend a report that addresses a particular management issue or problem. The report is completed under the direction of a faculty member and evaluated by a project defence committee.
Prerequisite: BUSN 6950

CARP 2000
Carpentry Apprentice Level 1

Students are introduced to theory and gain hands-on shop experience in the following topics: safe work practices, documentation and organizational skills, tools and equipment, survey instruments, perform site layout, build concrete framework, frame residential housing and building science.

CARP 3000
Carpentry Apprentice Level 2

Students are introduced to theory and gain hands-on shop experience in the following topics: safe work practices, documentation and organizational skills, tools and equipment, survey instruments, rigging and hoisting equipment, perform site layout and concrete formwork.

CARP 4000
Carpentry Apprentice Level 3

Students are introduced to theory and gain hands-on shop experience in the following topics: documentation and organization skills; tools and equipment; survey instruments; frame residential housing; applying finishing materials; and building science

CARP 5000
Carpentry Apprentice Level 4

Students are introduced to theory and gain hands-on shop experience in the following topics: documentation and organizational skills, survey instruments, perform site layout, build concrete formwork, frame residential housing and apply finishing materials.

CFTL 2010
Instructional Skills for Industry: Educator Skill
2 credits (2,0,0)

The purpose of this course is to provide industry and community trainers with instructional skills to prepare them for classroom teaching. The course will present tools, techniques and terminology for the new instructor to hit the ground running and to be effective educators.
Prerequisite: Water Treatment Technology Level 3 Certificate (or industry certification or equivalent). One of the following guidelines must be met: 73% on the combined English 12 and Government exam (within the last 5 years), or Level 4 on the composition section of the Language Proficiency Index (within the last 2 years), or completion of ENGL 0600, or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

CFTL 2020
Instructional Skills for Industry: Learning Theory
2 credits (2,0,0)

The purpose of this course is to provide industry and community trainers with a range of theories regarding teaching and learning for adults. This course will introduce the student to current learning theories of adult education and their application to industry training. The course will focus on the characteristics of adult learners, principles of adult education within a cultural context, and theoretic approaches to learning that promote a learner-centered, teacher facilitated learning environment.
Prerequisite: Water Treatment Technology Level 3 Certificate (or industry certification or equivalent). One of the following guidelines must be met: 73% on the combined English 12 and Government exam (within the last 5 years), or Level 4 on the composition section of the Language Proficiency Index (within the last 2 years), or completion of ENGL 0600, or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

CFTL 2030
Instructional Skills for Industry: Practicum
2 credits (2,0,0)

This course prepares the student to experience hands-on, practical training through the delivery of a series of classroom lessons in a peer based learning environment within a real-life classroom setting. Students experience peer and instructor feedback and self-reflective practices to improve the quality of their teaching practice.
Prerequisite: CFTL 2010 and CFTL 2020

CHBI 3980
Introduction to Research *1 credit (0,1,0)*

This course is available to 3rd year students contemplating entry into the Honours program or undertaking a directed studies research project in their 4th year. The seminar enables students to focus on the formulation of a research hypothesis and the production of a research proposal, in preparation for their application to do an Honours or Directed Study research project. Honours students are expected to take this course, although the learning objectives may be completed under the supervision of an individual faculty member.
Prerequisite: 3rd year standing in a Bachelor of Science degree or Bachelor of Natural Resource Science degree program

CHBI 4980
Honours Seminar *2 credits (0,2,0)*

This course allows students enrolled in the Chemical Biology Honours program to explore and discuss topics of general interest to scientists, with a focus on how scientific research is carried out and presented. Honours students are provided with constructive

criticism of their thesis research projects and presentation skills. Seminars consist of readings, group discussions, and presentations by students, interested faculty and guest speakers.
Prerequisite: Acceptance into the Chemical Biology Honours program. The general requirements for acceptance are: 4th year standings in the B.Sc. program with a Major in Chemical Biology, a minimum GPA of 3.0 during the first, second and third years of study in the Chemical Biology Major program, with no less than a grade of B- in all required BIOL, CHEM and ENGL courses, identification of supervisors for the Honours research project, submission of a research proposal to the Chemical Biology Honours Committee by May 15, before registration for 4th year
Corequisite: CHBI 4990

CHBI 4990
Honours Thesis in Chemical Biology *6 credits*

Students in the Chemical Biology Honours program of the Bachelor of Science (B.Sc.) degree conduct original research projects. The projects are completed under the direction of individual faculty members from Biology and Chemistry. A scientist from outside the university may act as a supervisor, with co-supervision by a Biology or Chemistry faculty member. Students accepted into the Chemical Biology Honours program register in this course in both the Fall and Winter semesters of their final academic year.
Prerequisite: 4th year standing in the BSc program with a Major in Chemical Biology. A minimum GPA of 3.0 during the first, second and third years of study in the Chemical Biology Major program, with no less than a grade of B- in all required BIOL, CHEM and ENGL courses. Identification of supervisors for the Honours research project. Submission of a research proposal to the Chemical Biology Honours Committee by May 15, before registration for 4th year.
Corequisite: CHBI 4980

CHEM 1310
The World of Chemistry *3 credits (3,0,0)*

This course will look at a variety of chemistry issues that have changed history or is in the news today. Everything from Napolean's buttons to climate change will be covered. No background in science or mathematics is required. This is an introductory chemistry course for non-science students. This is a credit course for all bachelor degrees other than science.
First year standing

CHEM 1500
Chemical Bonding and Organic Chemistry (L)
3 credits (4,0,3)

This course provides an overview of general concepts of chemical bonding, Lewis structures, molecular shape, and valence bond theory of bonding. The organic chemistry portion of the course focuses on the bonding and structure of organic compounds, functional groups, conformational and stereochemical features, oxidation-reduction reactions, substitution and elimination reactions, and enolate chemistry. The laboratory work stresses basic precision techniques in quantitative analytical chemistry as well as experiments in instrumental analysis and organic chemistry. The laboratory also introduces students to some spectroscopic techniques.
Prerequisite: Prerequisite: Chemistry 11 or 12; CHEM 0500 or 0600; and Pre-Calculus 12 or MATH 0600/0610

CHEM 1510
Fundamentals of Chemistry (L) *3 credits (4,0,3)*

This is the second half of a fundamental first year chemistry course, designed for students who have completed CHEM 1500: Chemical Bonding and Organic Chemistry, and have a Chemistry 11 background. The topics include a brief review of stoichiometry, gas laws, thermochemistry, equilibrium and electrochemistry. Students are expected to become familiar with these topics, and demonstrate their proficiency in various laboratory techniques. The laboratory stresses fundamental precision techniques in quantitative analytical and physical chemistry.
Prerequisite: CHEM 1500 with a C- minimum and Chemistry 11 or CHEM 0500

CHEM 1520
Principles of Chemistry (L) *3 credits (3,0,3)*

This course is the second half of first year chemistry designed for students with a strong background in Chemistry. The Department of Chemistry defines a strong background as at least a B in Chemistry 12 or CHEM 0600; however, the course is available to any student with CHEM 1500 and Chemistry 12 or CHEM 0600. The topics include gas laws, equilibrium, redox reactions, electrochemistry, thermochemistry, entropy and free energy. Students are expected to become familiar with these topics during the course, and demonstrate their proficiency in various laboratory techniques. The laboratory stresses fundamental precision techniques in quantitative analytical and physical chemistry.
Prerequisite: CHEM 1500 with a C- minimum and Chemistry 12 or CHEM 600 with a B grade or better or acceptance into the Engineering Program

CHEM 2000
Relativity and Quanta *3 credits (3,1,0)*

Students explore special relativity: Lorenz transformations; and dynamics and conservation laws. The quantum physics section of this course includes the experimental evidence for quantization, and a qualitative discussion of the concepts of quantum mechanics and their application to simple systems of atoms and nuclei. This course is identical to PHYS 2000
Prerequisite: PHYS 1100 and PHYS 1200 or PHYS 1150 and PHYS 1250 MATH 1130 and MATH 1230 or MATH 1140 and MATH 1240 or MATH 1150 and MATH 1250
Exclusion: Students may receive credit for only one of either CHEM 2000 or PHYS 2000

CHEM 2100
Introductory Analytical Chemistry (L) *3 credits (3,0,3)*

Students are introduced to the principles of analytical chemistry and their practical application to solution samples. Topics include statistical method of data analysis, quantitative principles of chemical equilibrium, and fundamental concepts of gravimetric, spectrophotometric, electrochemical, and chromatographic methods of analysis. In the laboratory component, students perform experiments using the same state-of-the-art instrumentation used in many commercial and research laboratories. An analysis of samples of clinical, environmental, and biochemical interest is completed to illustrate the material discussed in lectures.
Prerequisite: CHEM 1500 with a C- minimum and CHEM 1510 with a C- minimum or CHEM 1520 with a C- minimum

CHEM 2120
Organic Chemistry 1 (L) *3 credits (3,0,3)*

This course is a study of the compounds of carbon with an emphasis on reaction mechanisms, to illustrate the basic principles of organic chemistry. The topics include structure and bonding, preparations and reactions of the functional groups, and stereochemistry. Biological and biochemical applications are also discussed. The laboratory work illustrates basic separation, purification and identification techniques, and spectroscopic techniques are introduced.
Note: ECHE 1110/ECHE 1210 are not prerequisites for 2nd year Chemistry courses. Engineering students who may wish to take 2nd year Chemistry courses should meet with their Engineering Advisor and the Chair of the Department of Physical Sciences as early as possible.
Prerequisite: CHEM 1500 with a C- minimum and CHEM 1510 with a C- minimum or CHEM 1520 with a C- minimum

CHEM 2160
Structure, Bonding and Spectroscopy *3 credits (3,0,0)*

Students develop fundamental quantum ideas in chemistry and apply them to topics in chemical bonding and spectroscopy. Bonding concepts revolve around electrostatic models applied to ionic compounds and transition metal complexes. Covalent bonding is approached from the molecular orbital point of view, while students survey homo- and heteronuclear diatomics, and briefly consider larger molecules. Fundamental concepts in spectroscopy are introduced, and vibrational, electronic, nuclear magnetic resonance (NMR) and electron spin resonance (ESR) spectroscopy is discussed. Fundamental aspects of symmetry guide several of these treatments.
Prerequisite: CHEM 1500 with a C- minimum and CHEM 1510 with a C- minimum or CHEM 1520 with a C- minimum

CHEM 2220
Organic Chemistry 2 (L) *3 credits (3,0,3)*

This course is a continuation of CHEM 2120: Organic Chemistry 1, in which students further explore the principles of organic chemistry. Topics include structure and bonding; preparations and reactions of the functional groups; stereochemistry; biological and biochemical applications; and basic separation, purification, identification, and spectroscopic techniques in the laboratory.
Prerequisite: CHEM 2120 with a C- minimum

CHEM 2250
Fundamentals of Physical Chemistry (L) *3 credits (3,0,3)*

This course, intended for science majors, introduces chemical kinetics and thermodynamics with applications to gas behaviour and phase and reaction equilibria. The laboratory work involves preparative and kinetic studies, as well as the experimental study of the aspects of thermodynamic measurements.
Exclusion: Students with credit for CHEM 2110 and CHEM 2210 will not receive credit for CHEM 2150 and CHEM 2250 and CHEM 1500 with a C- minimum and CHEM 1510 with a C- minimum or CHEM 1520 with a C- minimum MATH 1230 or MATH 1240 or MATH 1250
Recommended: MATH 2110

CHEM 3010
Aqueous Environmental Chemistry *3 credits (3,0,0)*

Students are introduced to the properties and composition of natural waters. Topics include hydrologic cycle, water quality, partitioning, transport, chemical equilibria, pH, complexation, redox processes, and water treatment.
Prerequisite: CHEM 2100 with a C- minimum and CHEM 2250 with a C- minimum

Recommended: CHEM 2120 with a C- minimum and CHEM 2220 with a C- minimum

CHEM 3020
Atmospheric Environmental Chemistry *3 credits (3,0,0)*
This course is an introduction to structure, composition, and chemical processes occurring in the Earth's atmosphere. These include interactions with solar radiation, stratospheric ozone layer, photochemical smog, and acid rain.
Prerequisite: CHEM 2160 with a C- minimum and CHEM 2250 with a C- minimum

CHEM 3060
Physical Chemistry 1 *3 credits (3,0,0)*
Prior knowledge of physical chemistry is required for this upper-level course. Students explore four main topics: phase equilibrium, chemical equilibrium, solutions of electrolytes, and electrochemistry.
Prerequisite: CHEM 2160 with a C- minimum and CHEM 2250 with a C- minimum
Recommended: CHEM 2120 with a C- minimum and CHEM 2220 with a C- minimum

CHEM 3070
Physical Chemistry 2 *3 credits (3,0,0)*
This course is a continuation of CHEM 3060: Physical Chemistry 1. The topics include chemical kinetics, elements of spectroscopy, and introductory statistical thermodynamics. This course assumes prior knowledge of thermodynamics, chemical equilibrium, and basic chemical kinetics.
Prerequisite: CHEM 3060 with a C- minimum

CHEM 3080
Physical Chemistry Laboratory (L) *1 credit (0,0,4)*
In this laboratory course, students perform a selection of physical chemistry experiments to illustrate various physical chemical principles.
Prerequisite: CHEM 3060 with a C- minimum

CHEM 3100
Instrumental Analysis *3 credits (3,0,0)*
Students are introduced to the wide range of instrumental methods used in chemical analysis, as they are applied to modern analytical chemistry. The topics include statistical evaluation of chemical data, electrochemical methods, optical spectroscopic methods, mass spectrometry and chromatography.
Prerequisite: CHEM 2100 with a C- minimum and CHEM 2250 with a C- minimum

CHEM 3120
Instrumental Analysis Laboratory (L) *1 credit (0,0,4)*
This laboratory course is designed to accompany CHEM 3100: Instrumental Analysis. Students acquire practical, hands-on laboratory experience in performing chemical analysis using the chemical instrumentation encountered in CHEM 3100. Students perform statistical evaluations of experimental chemical data.
Prerequisite: CHEM 2100 with a C- minimum and CHEM 2250 with a C- minimum CHEM 3100
Corequisite: CHEM 3100

CHEM 3140
Applied Analytical Chemistry *3 credits (3,0,0)*
This course will focus on analytical method development, including sampling and sample handling, extraction, determination, and data acquisition. The analysis of organic and inorganic compounds in a variety of matrices will be discussed. Case studies from the literature will illustrate typical applications.
Prerequisite: CHEM 3100/3120 (C- minimum)

CHEM 3170
Instrumental Analysis Laboratory for Chemical Biology (L) *1 credit (0,0,4)*
This is a laboratory course designed to give students practical hands-on experience with the instrumentation discussed in CHEM 3100: Instrumental Analysis. Students focus on the needs of chemical biologists while performing a variety of chemical analyses and gaining independent experience in analytical experimental design and method application to real samples.
Prerequisite: CHEM 2100 with a C- minimum and CHEM 2250 with a C- minimum

CHEM 3220
Advanced Organic Chemistry *3 credits (3,0,0)*
This is a lecture course that examines the theory and practice of modern organic synthesis. The emphasis is on important carbon-carbon bond forming reactions, significant reactions of functional groups, and the use of protecting group strategies in organic synthesis. In addition, the chemistry of amino acids, peptides, carbohydrates and heterocycles is studied in the context of the above topics.
Prerequisite: CHEM 2120 with a C- minimum and CHEM 2220 with a C- minimum

CHEM 3230
Organic Spectroscopy *3 credits (3,0,0)*
This is a lecture course that examines the theory and practice of modern spectroscopic techniques for the structural elucidation of organic compounds. The emphasis is on both the theory and practice of spectroscopic techniques, particularly nuclear magnetic resonance (NMR) spectroscopy, for determining the structures of pure organic compounds.
Prerequisite: CHEM 2120 with a C- minimum and CHEM 2220 with a C- minimum

CHEM 3240
Organic Chemistry Laboratory (L) *1 credit (0,0,4)*
In this laboratory course, students perform a selection of organic chemistry experiments that are designed to develop synthetic skills and application of spectroscopic techniques to organic molecules.
Prerequisite: CHEM 2120 with a C- minimum CHEM 2220 with a C- minimum

CHEM 3310
Inorganic Chemistry 1 (L) *3 credits (3,0,0)*
Students are introduced to the varied aspects of transition metal chemistry and a wide variety of techniques which have been applied to these systems. Topics include coordination numbers, stereochemistry, diastereomers, enantiomers, coordination equilibria, and the kinetics and mechanisms of substitution and electron transfer reactions. Crystal field and molecular orbital descriptions of bonding are developed and applied to electronic spectra and magnetic properties. Application to some bioinorganic systems are introduced.
Prerequisite: CHEM 2160 with a C- minimum and CHEM 2250 with a C- minimum

CHEM 3320
Inorganic Chemistry 2 *3 credits (3,0,0)*
Students are introduced to the varied aspects of main group chemistry and a wide variety of techniques which have been applied to these systems. Topics include ionic bonding and the solid state, simple ideas of covalent bonding, and molecular orbital descriptions of main group compounds. A systematic survey of selected chemistry of main group elements may be conducted.
Prerequisite: CHEM 3310 with a C- minimum

CHEM 3330
Inorganic Chemistry Laboratory (L) *1 credit (0,0,4)*
In this laboratory course, students perform a selection of inorganic chemistry experiments that are designed to develop synthetic skills and application of spectroscopic and magnetic techniques to inorganic systems.
Prerequisite: CHEM 3310 with a C- minimum

CHEM 3730
Introduction to Biochemistry *3 credits (3,0,0)*
Students are introduced to cellular chemistry and the structure and function of biological molecules including nucleic acids, enzymes and other proteins, carbohydrates, lipids, and vitamins. Students also explore metabolic pathways and bioenergetics including DNA synthesis, transcription and translation, glycolysis, fermentation and respiration, oxidation of fatty acids, and photosynthesis.
Note: This course is the same as BIOL 3130 except it is only available to Chemistry and Environmental Chemistry majors.
Prerequisite: CHEM 1500 with a C- minimum and CHEM 1510 with a C- minimum or CHEM 1520 with a C- minimum CHEM 2120 and CHEM 2220, BIOL 1110 and acceptance into the Major in Chemistry or the Major in Environmental Chemistry Programs.

CHEM 4070
Selected Topics inPhysical and Envirnmental Chemistry *3 credits (3,0,0)*
This lecture course will consider in depth a selection of topics drawn from the areas of Physical Chemistry and Environmental Chemistry. The particular topics chosen may vary each time the course is offered. Note: CHEM 4070 is offered in odd numbered years.
Prerequisite: CHEM 3010, CHEM 3020 and CHEM 3060 (C- minimum)
Corequisite: CHEM 3010 and/or CHEM 3020

CHEM 4090
Introductory Computational Chemistry *3 credits (3,0,0)*
This is an introductory course on computational chemistry with a primary focus on the practical aspects of this subject. Students will be introduced to the methods currently used, the approximations involved and the ways in which these approximations can by systematically improved. Computational chemistry methods will be applied to the investigation of various chemical/environmental problems.
Prerequisite: CHEM 3060 (C- minimum)
Recommended: MATH 2120

CHEM 4220
Selected Topics in Organic Chemistry ***3 credits (3,0,0)***
Students consider (Option A) the isolation, structural identification, and synthesis of secondary metabolites produced by living things, either as a defence strategy against other organisms or for some other biochemical purpose; OR (Option B) principles and factors which govern the course of organic chemical reactions and the reactivity of organic molecules. Note: CHEM 4220 is offered in the winter semester of 'even' numbered years.
Prerequisite: CHEM 3220 with a C- minimum

CHEM 4320
Selected Topics in Inorganic Chemistry ***3 credits (3,0,0)***
Students consider (Option A) the chemistry of compounds containing organic groups directly bonded to metals and metalloids via a metal-carbon bond, with emphasis placed on the structure and bonding of the compounds and their use in synthetic, catalytic and industrial chemistry; OR (Option B) the chemistry of inorganic compounds in the functioning of biological systems, with emphasis on the structure and bonding of the metal in biologically active systems, and the use of inorganic compounds as drugs and diagnostic probes. Note: CHEM 4320 is offered in the winter semester of 'even' numbered years.
Prerequisite: CHEM 3310 with a C- minimum

CHEM 4400
Advanced Analytical Chemistry Laboratory (L)
1 credit (0,1,3)
This is a half-semester (6-week) advanced laboratory course in analytical chemistry in which students apply instrumental methods to the chemical analysis of real sample types.
Prerequisite: CHEM 3100 with a C- minimum CHEM 3120 with a C- minimum

CHEM 4410
Advanced Inorganic Chemistry Laboratory (L)
1 credit (0,1,3)
This is a half-semester (6-week) advanced laboratory course in inorganic chemistry which is concerned with the development of synthetic skills, especially using modern, air-sensitive reagents. The application of spectroscopic techniques to inorganic and organometallic systems is emphasized.
Prerequisite: CHEM 3330 with a C- minimum

CHEM 4420
Advanced Organic Chemistry Laboratory (L)
1 credit (0,1,3)
This is a half-semester (6-week) advanced laboratory course in organic chemistry which illustrates advanced techniques and modern synthetic methods found in recent organic chemistry research literature.
Prerequisite: CHEM 3220 with a C- minimum CHEM 3230 with a C- minimum CHEM 3240 with a C- minimum
Corequisite: CHEM 3230,may be acceptable as a corequisite with permission of the instructor

CHEM 4430
Advanced Physical and Environmental Chemistry Laboratory (L)
1 credit (0,1,3)
This is a half-semester (6-week) advanced laboratory course in physical and environmental chemistry which illustrates relevant physical chemistry principles in selected areas of physical and environmental chemistry.
Prerequisite: CHEM 3020 with a C- minimum CHEM 3080 with a C- minimum
Corequisite: CHEM 3020,may be acceptable as a corequisite with permission of the instructor

CHEM 4450
Advanced Chemical Biology (L) ***3 credits (2,1,3)***
Lectures and seminars examine the interface of chemistry and biology, and practical laboratory experience introduces students to advanced chemical biology techniques. The emphasis is on providing the knowledge and theory behind biological systems from a chemical perspective, while exposing students to the modern laboratory techniques that are of current value in the biotechnology and pharmaceutical industries. These industries require professionals who have a strong background in organic chemistry, molecular biology and genomics. Current journal articles are incorporated into a problem-based learning approach that has students researching background material in order to complete an assigned project experiment.
Prerequisite: CHEM 3220 with a C- minimum CHEM 3230 with a C- minimum CHEM 3240 with a C- minimum BIOL 3230 with a C- minimum BIOL 3350 with a C- minimum

CHEM 4480
Directed Studies in Chemistry (L) ***3 credits***
Students investigate a specific topic involving experimental work as agreed upon by the student and her/his faculty supervisor and co-supervisor. This course provides experience with research techniques and the presentation of results.
Prerequisite: Acceptance into Chemistry or Environmental Chemistry Major approval of supervisor and co-supervisor.

CHEM 4600
Selected Topics in Applied Chemistry ***3 credits (3,0,0)***
This lecture course is divided into modules that focus on applied aspects of several branches of chemistry. The selection of modules available in any particular year may vary due to instructor availability. Topics may include advanced extraction techniques and instrumentation, catalysis, chemometrics, combinatorial chemistry, materials science, medicinal chemistry, petroleum chemistry, polymer chemistry, supramolecular chemistry, and water and waste treatment.
Note: CHEM 4600 is offered in the winter semester of 'odd' numbered years.
Prerequisite: CHEM 3060 with a C- minimum CHEM 3100 with a C- minimum CHEM 3220 with a C- minimum CHEM 3310 with a C- minimum permission of the instructor

CHIN 1110
Introductory Chinese 1 (L) ***3 credits (3,0,1)***
This course enables beginners to develop cultural knowledge and communicative skills in speaking, listening, reading and writing in modern standard Chinese (Mandarin). Upon successful completion of this course, students are expected to demonstrate a CEFR A1 level of proficiency.
Prerequisite: Students who have completed Chinese (Mandarin) in Grade 11 in secondary school or equivalent, may not take this course for credit.

CHIN 1210
Introductory Chinese 2 (L) ***3 credits (3,0,1)***
This course builds upon skills acquired in CHIN 1110 to further develop cultural knowledge and communicative skills in speaking, listening, reading and writing in modern standard Chinese (Mandarin). Upon successful completion of this course, students are expected to demonstrate a CEFR A1+ level of proficiency.
Prerequisite: CHIN 1110 or equivalent
Exclusion: Students who have completed Chinese (Mandarin) in Grade 11 or equivalent within the last two years may not take this course for credit unless approved by Modern Languages.

CMNS 1160
Introduction to Communications ***3 credits (3,1,0)***
This course explores the nature of communication by introducing students to a range of communication theories and critical thinking skills. Students address how information is transmitted, how meaning is created, and how people are persuaded. This course qualifies as a Writing Intensive designated course.
Prerequisite: 73% on the combined English 12 and Government exam (within the last 5 years) or Level 4, on the composition section of the Language Proficiency Index (within the last 2 years or completion of English 0600 or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

CMNS 1290
Introduction to Professional Writing ***3 credits (3,0,0)***
This course introduces students to the theories and practice of professional business and technical communication. Students learn basic writing techniques and practice editorial skills as these relate to business and technical writing. Elements of style, awareness of audience and clarity of purpose are stressed as integral aspects of effective writing and speaking. This course is non-program specific and to complement the foundations of academic composition.
Prerequisite: 3 credits of English (ENGL) or Communications (CMNS) or Permission of instructor.
Exclusion: English 1290

CMNS 1300
Communications English 1 ***3 credits (3,0,0)***
This course is an introduction to the practice of effective, written, oral and visual communication skills specific to the horticulture field. Students review basic writing skills, develop research and computer skills, and learn to write in various genres appropriate for Horticulture students.
Prerequisite: Admission to the Horticulture program.
Exclusion: ENGL 1300

CMNS 1310
Communications English 2 ***3 credits (3,0,0)***
Building on the skills learned in CMNS 1300: Communications English 1, students continue to develop their writing, research, oral presentation and computer skills, and focus on report writing and job search skills.
Prerequisite: Admission to the Horticulture program
Exclusion: ENGL 1310

CMNS 1490
Technical Communication for Applied Industrial Technology
3 credits (3,0,0)
This course emphasizes effective technical communication skills in the field of electronics. Students review basic writing skills and create business correspondence, such as technical instructions, technical description, an informal recommendation report, and an oral presentation.
Prerequisite: Acceptance into the Electronics program.
Exclusion: ENGL 1490

CMNS 1660
Occupational Writing for Animal Health Technologists
3 credits (3,0,0)
Occupational writing and oral presentation skills are the focus of this course. Students learn and practice the career uses of various writing genres appropriate for Animal Health Technologists.
Prerequisite: Admission to the Animal Health Technology program.
Exclusion: ENGL 1660

CMNS 1810
Business, Professional and Academic Composition
3 credits (3,0,0)
Students learn the theory and practice of successful academic, business, and professional writing. The similarities and differences involved in writing for business and academic purposes are examined in detail. Students also study and apply conventional methods of academic research and documentation involved in completing essays and reports.
Prerequisite: 73% on the combined English 12 and Government Exam (within the last five years) or Level 4 on the composition section of the LPI (within the last two years) or completion of ENGL 0600 or completion of ESAL 0570 and 0580 with a grade of C+ or better.
Exclusion: ENGL 1810

CMNS 1850
Technical Writing 1 ***3 credits (3,0,0)***
This course is designed to complement the ARET program. Students are provided an opportunity to improve grammar, writing, and oral presentation skills and learn the types of writing modes and patterns they will need to use in the technical vocations.
Prerequisite: Admission to the Architectural and Engineering Technology Program.

CMNS 1910
Report Writing and Business Presentations
3 credits (3,0,0)
Students develop skills in business communication and persuasion. Students focus on the content, organization, and format of various types of business reports; on the process of writing them; on methods of documenting their sources of information; and on orally presenting such reports to professional audiences.
Prerequisite: Acceptance into the Accounting Technician program or Business Diploma programs, CMNS 1810 with a C- and/or completed an equivalent, technical writing course.
Exclusion: ENGL 1910

CMNS 1920
Professional Presentation and Communication
3 credits (3,0,0)
Students develop skills in business communication, employment search, and persuasion. Students focus on the content, organization, documentation and format of various types of business reports; on the professional employment search; and on the effective oral presentation.
Prerequisite: Acceptance into the Tourism Diploma program, CMNS 1810 with a C- minimumand/or completed an equivalent, technical writing course
Exclusion: ENGL 1920

CMNS 1930
Report Writing and Business Presentations for CSOM
3 credits (3,0,0)
The skills developed in business communication and persuasion learned in CMNS 1810: Business, Professional and Academic Compositionare expanded. Students explore the content, organization, and format of various types of business reports; the process of writing them; methods of documenting their sources of information; and orally presenting such reports to professional audiences.
Prerequisite: Acceptance into the Computer Systems: Operations & Management (CSOM) program. CMNS 1810 with a C- minimum and/or completed an equivalent, technical writing course
Exclusion: ENGL 1930

CMNS 1970
Report Writing and Presentation for Students of Respiratory Therapy ***3 credits (3,0,0)***
The skills developed in professional communication, research, and group collaboration learned in CMNS 1810: Business, Professional and Academic Composition are expanded. Students examine the content, organization, and format of professional reports and presentations essential to the success of health care professionals. This includes the process of writing reports; methods of documenting sources of information; and the practice of orally presenting such reports to professional audiences.
Prerequisite: Acceptance into the Respiratory Therapy program. CMNS 1810 with a C- minimum and/or completed an equivalent, technical writing course
Exclusion: ENGL 1970

CMNS 1980
Professional Presentation/Communication, Police and Justice Studies ***3 credits (3,0,0)***
Students explore activities such as research, interviewing, communication, effective report writing skills, and the differences between academic and technical forms of writing. Students focus on the content, organization, production, and formatting of police reports, and conducting primary and secondary research. Effective report writing and effective interviewing skills are also emphasized.
Prerequisite: Acceptance into Police and Justice program. CMNS 1810 with a C- minimum and/or completed an equivalent, technical writing course
Exclusion: ENGL 1980

CMNS 2160
Mass Communication and the Popular Culture Industry
3 credits (2,1,0)
Students are provided a perspective based on professional practices within the total media environment in which our society operates. This includes an examination of the historical, sociological and economic realities of industries such as television, film, music, advertising, public relations and journalism.
Prerequisite: 6 credits of lower-level composition and/or communication courses and VISA 1500

CMNS 2170
Interpersonal Communication ***3 credits (3,0,0)***
This course provides students with a broad and critical understanding of the nature and meaning of interpersonal communication as dialogue. Students develop essential communication skills such as self-awareness, self-disclosure, active listening, and critical response, and they also examine the contemporary realities of multiculturalism, cyberspace, conflict resolution, and mourning.
Prerequisite: 6 credits of lower-level composition and/or communication courses

CMNS 2180
Social Networks, Online Identities and Internet Memes
3 credits (2,1,0)
This course explores the recent proliferation of communication tools known as social media. Students consider how collaborative networks create and foster unique models of identity construction and offer opportunities for new methods of creating knowledge. Students examine these issues through hands-on approaches and on-line assignments.
Prerequisite: 73% on the combined English 12 and Government exam (within the last 5 years) or Level 4 on the composition section of the Language Proficiency Index (within the last 2 years) or completion of ENGL 0600 or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

CMNS 2200
Technology and Communication ***3 credits (2,0,1)***
Students explore the interface of technology and communication, from the telegraph to the Web, by examining historical and present cases. Students learn how people adapt to, and innovate within, the limitations to communications imposed by technology, and are informed about the choices they face in their personal use of media and technology. This course qualifies as a Writing Intensive designated course.
Prerequisite: 6 credits of lower-level English and/or Communication courses

CMNS 2290
Professional Business and Technical Writing
3 credits (3,0,0)
Intended to support students who are planning careers in business, government, public service, and research institutions, this course presents the professional skills required for effective oral and written communications. Students learn appropriate background material on relevant communication theory, create a variety of business documents and deliver an oral presentation.
Prerequisite: Six credits of composition and/or communication courses.
Exclusion: ENGL 2290

CMNS 2300
Critical Thinking and Writing for Science and Technology
3 credits (3,0,0)
Students analyse and discuss examples of writing from scientific and technical literature to improve their communication skills for lay and scientific audiences.
Prerequisite: 6 credits of composition and/or communication courses Admission to the Bachelor of Science program or Bachelor of Natural Resource Science program or permission of the instructor.
Exclusion: ENGL 2300

CMNS 2310
Technical Writing and Editing for Digital Art and Design
3 credits (3,0,0)
The emphasis of this course is on revising and editing documents for various publications. Students review grammar and work on developing a publishable style. The class is held in a computer lab where the basics of word processing are also reviewed; students compose assignments using computer software and receive feedback to help build revision skills. A portfolio is required at the end of the course with revisions to all major assignments.
Prerequisite: 3 credits of a 1st year Communications course with a grade of C+ or better,2nd year standing in the Digital Art and Design (DAAD) program or permission from the instructor.
Exclusion: ENGL 2310

CMNS 2850
Technical Writing 2 ***3 credits (3,0,0)***
Students build on the skills they learned in CMNS 1850: Technical Writing 1. Report writing, technical correspondence, and job search skills are emphasized. During the course, students focus on organizing their summer research projects into a major technical report.
Prerequisite: CMNS 1850, Admission to the Architectural and Engineering Technology program or permission of the instructor.
Exclusion: ENGL 2850

CMNS 3000
Research Methods in Communication ***3 credits (3,0,0)***
This course provides an overview of the philosophy and practice of communication research. Students are introduced to a range of methods for research in communication and media studies, combining theoretical and epistemological issues with methodological concerns. This course qualifies as a Writing Intensive designated course.
Prerequisite: 6 credits of lower-level composition and/or communication courses and 3rd year standing

CMNS 3020
Travel Media ***3 credits (3,0,0)***
This course studies novels, journals, blogs, films, and guidebooks in order to understand and produce texts in the complex matrix called "travel media." It examines many examples of travel media, both commercial and personal in order to understand how it has developed and currently works. These examples are considered from many perspectives such as the figure of"the Other," colonialism, the flaneur, postmodemism, and even visual and document design. The course considers the strategies of design that constitute the various genres of travel media, from logs, vlogs, and multimedia, to guides, and even stories.

CMNS 3050
Communication Marketing and Design ***3 credits (3,0,0)***
Students are introduced to the practical and theoretical aspects of professional and technical writing from rhetorical and semiotic perspectives. Topics may include information design, visual rhetoric, advertising and digital design.
Prerequisite: 6 credits of Communications and/or English courses or permission of the instructor.
Exclusion: English 3050

CMNS 3070
Studies in Rhetoric ***3 credits (3,0,0)***
This course covers special topics in rhetorical theories and their applications.
Prerequisite: Six credits of Communications and/or English courses or permission of the instructor.

CMNS 3080
Advanced Composition 1 - Personal Expression
3 credits (3,0,0)
This course focuses on the rhetoric of personal expression, especially description and narration. Students are introduced to the concept of how multiple literacies variously compete and interact in the world around us. In practical terms, students explore how personal expression can be used to improve writing skills at an advanced level. This course is open to all third-year students and is designed to be especially relevant to students contemplating a career in Journalism, Education, or Communications.
Prerequisite: Six credits of Communications and/or English courses, or permission of the instructor.

CMNS 3090
Advanced Composition 2 - Writing in the Disciplines
3 credits (3,0,0)
This course offers students an opportunity to explore and master the writing required in different academic disciplines, while also encouraging students to move across traditional boundaries. The course begins with an introduction to the principles of Discourse Analysis, and then offers opportunities to practice writing in different disciplinary styles and forms. Attention is given to four main disciplinary areas: the humanities, the social sciences, the natural sciences, and business.
Prerequisite: Six credits of Communications and/or English courses or permission of the instructor.

CMNS 3100
Composition Theory 1: Classical Theory ***3 credits (3,0,0)***
This course is a study of classical theories of rhetoric, including the thoughts of the Sophists, and of Aristotle, Cicero, and Quintlilian, applied to contemporary composition. This course is open to all third-year students and is especially relevant to students contemplating a career in Education or Communication.
Prerequisite: Six credits of Communications and/or English courses or permission of the instructor

CMNS 3110
Composition Theory 2: Contemporary Theory
3 credits (3,0,0)
This course presents a study of selected schools of thought in contemporary composition theory. Theory is then combined with practical discussions related to student writing.
Prerequisite: Six credits of Communications and/or English courses or permission of the instructor.

CMNS 3230
Information Design ***3 credits (3,0,0)***
Students investigate the theory and practical design of the delivery of information in professional and everyday contexts. Topics may include typography, weight, line, space, color and image. Media may include recipes, forms, data arrays, instructional manuals, quick reference guides, graphic novels and webpages.
Prerequisite: 6 credits of Communications and/or English courses or permission of the instructor.
Exclusion: ENGL 3230

CMNS 3500
Selected Topics in Communication and Public Relations
3 credits (3,0,0)
Students explore a selection of contemporary topics in communication theory and practice as they relate to public relations. Topics may vary depending on faculty and student interest and current developments in the field. Contact the department chair for more details.
Prerequisite: Six credits of Communications and/or English courses, or permission of the instructor.

CMNS 3510
Intercultural and Cross-Cultral Communication
3 credits (3,0,0)
Students examine the way culture shapes communication practices, and focus on the issues that arise within organizations when individuals from different cultural perspectives attempt to work together. Students also investigate the ways in which different cultures interact in practice. This course qualifies as a Writing Intensive designated course.
Prerequisite: Six credits of Communications and/or English courses, or permission of the instructor.

CMNS 3600
Studies in Communication, Film, and Digital Production
3 credits (3,0,0)
Students explore a selection of contemporary topics in communication theory and practice as they relate to film studies and digital production. Topics may vary depending on faculty and student interest and current developments in the field. Contact the department chair for details. This course qualifies as a Writing Intensive designated course.

Prerequisite: Six credits of lower-level composition and/or communication courses plus third year standing.

CMNS 3700
Selected Topics in Communication and New Media
3 credits (3,0,0)

This course covers a selection of contemporary topics in communication theory and practice as they relate to new media. Topics may vary depending on faculty and student interest and current developments in the field. Contact the deparbnent chair for details. The course qualifies as a Writing Intensive designated course.
Prerequisite: Six credits of lower-level English or communication courses and Third Year Standing

CMNS 3800
Communication and New Media *3 credits (3,0,0)*

Students examine new media studies from a communication perspective. Subjects include the distinctions between old and new media; the relationship between technology and communication; the convergence of cultural artifacts across media forms; and the influence of design principles on new media architecture. The course qualifies as a Writing Intensive designated course.
Prerequisite: Six credits of Communications and/or English courses or permission of the instructor.

CMNS 4220
Mountain Studies *3 credits (3,0,0)*

Mountain Studies allows students the opportunity to engage in an interdisciplinary study of mountain environments, communities, resorts, activities, web presence, arts, sustainability, and destination experiences, with an emphasis on undergraduate research. Topics vary from year to year; potential areas of focus include mountain culture (literature, painting, film, photography, history, new media) and web-mapping with the provision of rich content; the development and sustainability of mountain national parks in Western Canada; mountain literature and art; comparative studies of the mountain resorts that ring TRU; mountains and participant-observer new media applications; and public relations and mountain resorts.

CMNS 4530
Corporate and Organizational Communications
3 credits (3,0,0)

This course examines the theory and practice of organizational communications. It includes an overview of different models of organizational communication and management, a review of common problems and dilemmas in this field, and consideration of different types of internal publications. This course qualifies for Writing Intensive designation.
Prerequisite: Six credits of lower-level Communication courses or permission of the department chair

CMNS 4610
Field Course in Documentary Film Production
6 credits (6,0,0)

Students develop practical and applied skills in digital documentary film creation, from storyboarding, to camera operation, and final editing. After completing a study of theory and techniques on campus, each student produces a complete documentary, working independently in the field, at various locations, in BC, Canada and abroad.
Prerequisite: Six credits of Communications and/or English courses, or permission of the instructor.

CMNS 4980
Rhetoric and Professional Writing: The Graduate Essay
1 credit (1,0,0)

This essay option is intended for students considering further studies rather than direct entry into the workforce. The graduating essay may be written in lieu of completion of CMNS 4990: The Rhetoric and Professional Writing Capstone Seminar. Students revise a paper, previously completed during their course of studies, under the direction of a selected faculty member. As in the case of Directed Studies, the department chair must approve the individual course of study.
Prerequisite: 6 credits of English or Communications courses or equivalent.
Exclusion: ENGL 4980

CMNS 4990
The Rhetoric and Professional Writing Capstone Seminar
1 credit (1,0,0)

This course, the 'capstone' requirement for students wishing to complete the Rhetoric and Professional Writing Major (RPW), is designed to ensure that all RPW graduates have a solid understanding of (1) the history of English Studies; (2) the scope of contemporary rhetorical and critical theory; (3) research methods (including internet search techniques); (4) the potential job market for English graduates; (5) graduate studies option; (6) resume writing and job interviewing techniques; and (7) oral presentation skills. Students are advised that, with the permission of the department chair, they may fulfill the RPW capstone requirement by presenting and defending a graduating essay (CMNS 4980).

CNST 2000
Introduction to Canadian Studies *3 credits (2,1,0)*

This multidisciplinary course provides a general introduction to Canadian culture and society. A wide range of regional and national topics are discussed, including regionalism, multiculturalism, history, music, concepts of nationhood, politics, literature, film, and theatre.

CNST 3120
Canadian Aboriginal Drama *3 credits (4,0,0)*

Students examine plays by Native Canadians. The connections between traditional storytelling and staged works are discussed, as are issues of ethnicity, appropriation, hybridity, historical revisionism, canon formation, and cultural stereotyping. The plays are studied in their historical and cultural contexts. The development of First Nations theatre and production companies such as Native Earth Performing Arts are also discussed.
Prerequisite: Any two of ENGL 1100, 1110, or 1210 and 3rd year standing

COAP 3000
Proffesional Cook Apprentice Level 2

Students are introduced to theory and gain hands-on lab experience in the following topics: occupational skills; stocks, soups and sauces; vegatables and fruits; starches; meats; poultry; seafood; garde manger; and baked goods and desserts.

COAP 4000
Proffesional Cook Apprentice Level 3

Students are introduced to theory and gain hands-on lab experience in the following topics: occupational skills; handling meat, poultry, and seafood; beef; veal; pork; lamb; poultry; seafood and freshwater fish; game; and processed meat products.

COMP 1000
Introduction to Information Technology *3 credits (3,0,1)*

Students are provided an introduction to the 'computer world,' and an opportunity to enhance their proficiency in using computer resources for common daily tasks. The basic computer knowledge required to be an effective academic student as well as be competitive in the modern workplace is acquired, in addition to an understanding of the computer as a collection of resources (local and global). Students learn how to use computer resources to complete assignments and projects, giving them the ability to adapt to further advances and changes in information technology.
Exclusion: Students may not receive credit for more than one of COMP 1000, COMP 1350, COMP 1910, COMP 1700, MIST 2610 Students planning on completing a Major in Computing Science or Mathematical Sciences are NOT required to complete COMP 1000.

COMP 1010
Introduction to Computing Science *2 credits (2,0,0)*

This course offers a broad overview; students develop an appreciation for and an understanding of the many different aspects of the computing science discipline. Topics include information and data representation; computer hardware and architecture; algorithmic problem solving; an introduction to programming; operating systems; networks; applications; artificial intelligence and robotics; social implications; ethics; and a history of computing. The course is intended for students expecting to continue in computing science as well as for those taking it for general interest.

COMP 1020
Introduction to Spreadsheets *1 credit (0,1,0)*

This course provides students with an introduction to spreadsheets using Excel. Students develop the spreadsheet skills they need for other courses, and ultimately the modern workplace.
Recommended: experience with computer use and typing skills would be beneficial

COMP 1030
Introduction to Database *1 credit (0,1,0)*

Students are introduced to DBMS (Database Management System). The DBMS used in this course is Microsoft Access. Students enhance their ability to create, query, and maintain a database in MS Access, in addition to creating forms and reports. This course provides basic database knowledge.

COMP 1040
Introduction to Web Animation *1 credit (0,1,0)*

Web pages extensively use animations in presenting information. In this course, students gain the knowledge and understanding of basic animation structures such as timing, rhythm and movement. This course enables students to create animations intended for use in websites by exploring current animation technologies.

COMP 1050
Computer System Maintenance *1 credit (0,1,0)*

Students focus on computer system maintenance, trouble shooting, and optimization. Both hardware and software aspects of the computer as a system are covered. The course utilizes the Windows operating system; installing, uninstalling and working with applications; installing and troubleshooting devices; maintaining systems and optimizing performance.

COMP 1060
Introduction to Desktop Publishing *1 credit (0,1,0)*

Students are provided with a comprehensive introduction to current publishing software to create professional presentations, documents, marketing communications materials and Web pages. This course is intended for students who have little or no exposure to Microsoft Office products.
Recommended: experience with computer use and typing skills Bachelor of Science students must obtain permission of the B.Sc. Advisor prior to enrolling in this course.

COMP 1070
Introduction to Digital Media *1 credit (0,1,0)*

Students are introduced to digital media. The goal is to use freely available shareware to edit photo, music and video files in a series of practical assignments. Students also learn the basic vocabulary and theory behind digital forms of media.

COMP 1080
Web Development *1 credit (0,1,0)*

This course provides an introduction to web development. This course covers only client-side web development with a brief introduction to HTTP protocol and web servers.

COMP 1090
Introduction to Linux *1 credit (0,1,0)*

This course provides an introduction to Linux Operating System such as Linux evolution, graphical environments, terminal interfaces and shell, the file system, file manipulation commands, data manipulation commands, editors, software tools, networking tools, and system administration tools.

COMP 1130
Computer Programming 1 *3 credits (3,1,1)*

This course is an introduction to the use of structured problem solving methods, algorithms, structured programming, and object-oriented programming. Students use a high level programming language to learn how to design, develop, and document well-structured programs using software engineering principles. The workings of a computer are learned as part of programming. The course is intended for students planning to take further courses in Computing Science or who just want a sound programming course.
Recommended: Students with previous programming experience (if-else, loops, arrays) in a language other than Java, should take COMP 1230 or COMP 2120

COMP 1140
Visual Basic Computer Programming 1 *3 credits (3,1,1)*

This course is an introduction to the use of structured problem solving methods, algorithms, structured programming, or object-oriented programming as well as event-driven programming. Students use a high-level programming language to design, develop, and document well-structured computer programs using software engineering principles. The language used in the course is Visual Basic.NET.
Prerequisite: Admission to the Computer Science Diploma program

COMP 1150
Introduction to 3D Animation *1 credit (0,1,0)*

This course introduces the basic principles and concepts of 3 dimensional animations. Students will gain experience with Alice, a fun and interactive way to design and create virtual worlds by using animated 3 dimensional graphical images. Students will gain the knowledge of principles and techniques common to all animations and particularly how to render 3 dimensional images

COMP 1230
Computer Programming 2 *3 credits (3,1,0)*

In this continuation of COMP 1130: Computer Programming 1, students are provided a foundation for further studies in computer science. The objectives of the course are to continue to develop a disciplined approach to the design, coding, and testing of programs. Students discuss object-oriented programming in detail, and are provided an introduction to data structures and algorithm analysis. Prerequisite: C or better in COMP 1130
Prerequisite: COMP 1130 with a C+ or better

COMP 1240
Visual Basic Computer Programming 2 *3 credits (3,1,1)*

In this continuation of COMP 1140: Visual Basic Computer Programming, students are provided a foundation for further studies in computing science, using Visual Basic.NET . The objectives of this course are to continue developing a disciplined approach to the design, coding and testing of computer programs written in Visual Basic.NET. Students examine concepts of data abstraction, encapsulation and inheritance, as well as the notion of information hiding and objects. There is an introduction to increasingly complex data structures, files and databases. Students use a report writer (Crystal Reports) and learn the management of exceptions in programs and classes. Students are also introduced to the creating of web applications using VB.NET, ADO.NET and ASP.NET, understanding XML, and creating web services.
Prerequisite: COMP 1140 with a C or better

COMP 1350
Information Systems and Computerized Information Analysis
3 credits (3,1,1)

The purpose of this course is to introduce computer terminology and system development techniques as they apply to information systems within the discipline. Students learn the principles and usage of computerized systems for data gathering, analysis, and reporting. Students develop an understanding of how to design, implement, and use database systems, how to analyze data via databases and spreadsheets, and how to report results both as text and graphics. Students delve into a comprehensive case study that integrates various software environments that may be encountered in the workplace.
Exclusion: Students may not receive credit for more than one of COMP 1000, COMP 1350, COMP 1910, COMP 1700, MIST 2610

COMP 1380
Discrete Structures 1 for Computing Science
3 credits (3,1,0)

An introduction to the basic mathematical concepts used in computing science. Topics covered include the binary number system, computer arithmetic, logic and truth tables, Boolean algebra, logic gates and simple computer circuits, vectors and matrices, sets, counting, probability theory and statistics (mean, variance, median, mode, random variables).
Prerequisite: Foundations of Math 12 with a C+ minimum
Note: Same as MATH 1380. Students may not receive credit for more than one of COMP 1380 and MATH 1380

COMP 1390
Discrete Structure 2 for Computing Science
3 credits (3,1,0)

This course introduces further mathematical concepts used in Computing Science. Topics include relations; functions; graph theory; trees; languages; grammars; finite state machines; an introduction to proofs and mathematical induction; and algorithm analysis.
Prerequisite: COMP 1380 with a C or better or MATH 1380 with a C or better or MATH 1070 with a C or better or instructor's written consent
Recommended: A programming background

COMP 1520
Principle of Software Development
3 credits (3,0,2)

This course offers a practical introduction to problem-solving on a computer, and emphasizes a structured approach to the design of algorithms and proper programming style. Students use a high-level programming language to learn how to design, develop, and document well-structured programs in order to solve problems from the field of Engineering. In addition, students are introduced to data analysis using MATLAB.
Prerequisite: Acceptance into the Engineering program at TRU or completion of Computer Science 12 or COMP 0600 or Principles of Math 12 with a B or better
Exclusion: COMP 1130

COMP 1570
Data Processing Tools and Techniques 1
3 credits (3,1,0)

This course serves as an introduction to the tools and techniques commonly used for the processing and presentation of data. Throughout the course, students work on data processing problems typical of a business setting, including record keeping applications, data capture and validation, and report creation procedures. Students can expect to do a substantial amount of work in this course using spreadsheets (Microsoft Excel), desktop databases (Microsoft Access), and basic Web pages (HTML).
Prerequisite: Admission to the Computer Science Diploma program

COMP 1670
Data Processing Tools and Techniques 2
3 credits (3,1,0)
The primary themes in this course build on those from COMP 1570: Data Processing Tools and Techniques 1, namely processing and presentation of data in a business context. Topics include advanced features of desktop databases; the use of reporting packages; editors and file handling utilities; and commercial application packages. Students also discuss software quality, documentation, and testing methodology.
Prerequisite: COMP 1570 with a C+ or better

COMP 1700
Introduction To Computing ***3 credits (3,0,1)***
This course, intended for non-science students and non-mathematics students, offers a general introduction to the world of computers including terminology, history, uses, impact on society, and programming. Students experience and focus on operating and using a microcomputer in addition to common microcomputer software, such as Windows, word processing, spread sheets, presentation packages and graphics. The Internet as a research tool and programming is also introduced.
Exclusion: COMP 1700 is not recommended for students in the BBA program. These students should register in BBUS 1370 Students may not receive credit for more than one of COMP 1000, COMP 1350, COMP 1910, COMP 1700, MIST 2610

COMP 1810
Game Design & Development 1 ***3 credits (3,1,0)***
Building a high quality game is a complex and challenging process. A key element to its success is the design. The fundamentals of game design and development are discussed, in addition to different elements of game design, such as game concepts, character development, storytelling and narrative, core mechanics, and creating the User Interface. Students build and develop computer games.

COMP 1910
Introduction to Computers and Business Information
3 credits (1,1,2)
Students explore computing in the business environment. Emphasis is placed on computer applications in business including Windows, word processing, spreadsheets, presentation packages and the Internet. Topics relating to computer needs for business are also discussed.
Prerequisite: Admission to the Marketing/Management, Horticulture Business Diploma or Tourism programs
Exclusions: Students may not receive credit for more than one of COMP 1000, COMP 1350, COMP 1910, COMP 1700, BBUS 1370 and BBUS 2370

COMP 1980
Foundations of Computing Science ***3 credits (3,2,0)***
This course provides breadth in the area of Computing Science for Computing Science Majors. Topics include hardware and software design, including logic design; basic computer organization and system software; programming paradigms; external storage, sequential file processing and elementary relational databases; networks and electronic information services; artificial intelligence; and ethical and societal considerations.
Prerequisite: COMP 1130 with a C or better
Corequisite: COMP 1230

COMP 2120
Computer Programming Java ***3 credits (3,1,0)***
Students are introduced to programming and program design using the Java programming language. This is a programming course, and as such, the requirements placed on students are beyond simply using the computer as a tool. Students must employ problem-solving skills to evaluate and solve word problems, and create Java programs using the basic language constructs to implement the solutions. This course is designed for students who have had exposure to university-level programming, and previous experience in programming languages other than JAVA.
Prerequisite: A 3-credit course in a programming language other than JAVA.

COMP 2130
Introduction to Computer Systems ***3 credits (3,1,0)***
With a complete understanding of how computer systems execute programs and manipulate data, increasingly efficient programs are written, especially in dealing with the issues of debugging, performance, and robustness. Students explore a high-level structured programming language; machine-level data representation; computer arithmetic; basic computer architecture; assembly programming; compilation systems; code optimization; and memory organization and management.
Prerequisite: C or better in COMP 1380 or MATH 1700, and COMP 1230 or COMP 2120, or written consent of instructor.

COMP 2160
Mobile Application Development 1 ***3 credits (3,1,0)***
This course is an introduction to developing applications for mobile devices, including smartphones and tablets. Topics include a survey of current mobile platforms, the mobile application development environment, mobile device input methods, and developing applications for two popular mobile platforms.
Prerequisite: COMP 1230,with a grade of C or better

COMP 2210
Visual Program Design ***3 credits (3,1,0)***
This course introduces students to event driven programming and user interface design. Students also discuss connecting user interfaces with web sites and databases.
Prerequisite: COMP 1230 with a C or better

COMP 2230
Data Structure, Algorithm Analysis, and Program Design
3 credits (3,1,0)
Students apply analysis and design techniques to non-numerical algorithms which act on data structures; utilize algorithmic analysis and design criteria in the selection of methods for data manipulation; and are introduced to techniques for designing and implementing programs of intermediate complexity. Students continue their study of data structures and algorithms begun in the first year. In addition to basic data structures such as stacks, queues, lists, and trees, the course includes algorithm design and analysis, hash tables, sorting and searching.
Prerequisite: COMP 1390 or MATH 1700 with a C or better, and COMP 1230 or COMP 1240 or COMP 2120 with a C or better.

COMP 2520
Programming in C++ ***3 credits***
This course is a programming course in Visual C++. Students are introduced to C++ using Microsoft Visual Studio, including the basics of the language, and the concepts and syntax of object-oriented programming with C++. The course examines the building of classes, provides an introduction to data structures, sorting and searching, and explores advanced features of classes.
Prerequisite: COMP 1140 with a C or better

COMP 2530
Small Computer Systems: Organization and Architecture (L)
3 credits (3,1,0)
This course presents the organization and architecture of modern, small computer systems. A discussion of representation and manipulation of information inside computers is followed by logic design basics, computer organization, and an introduction to computer architecture. Students are then introduced to the principles of operating systems, including the management of computer system resources, and provided an overview of current popular small systems operating systems. Topics are complemented by a seminar type workshop to give students hands-on experience with maintenance, configuration troubleshooting, upgrading, optimization, and usage of small computer systems.
Prerequisite: Successful admission into 1st year Computing Science Diploma

COMP 2540
Information Resource Management and Issues
3 credits (3,1,0)
Information Systems (IS) are an important service to organizations and the management of IS is important to understand, for the employee in the organization and for potential IS managers. This course explores IS management and how it must effectively address the needs and imperatives of organizations, technologies and society. The computer profession is essential for organizations as they vie for competitive positions by making strategic use of technology. Case studies and guest lecturers (where possible) provide an IS overview, and examine the duties and organization of IS departments (including control of resources, staffing, security and disaster plans); the organization of IS to support end-user computing; and the quality of life, work, professionalism and ethics for IS professionals.
Prerequisite: Successful completion of 1st year of Computing Science Diploma

COMP 2560
Database Processing ***3 credits (3,0,1)***
Students review the major components of the database environment and the evolution of database technologies. Database design techniques are then introduced using both the Entity Relationship model and an object-oriented approach. As students design and implement a case study project, they learn the relational database model and data normalization. Structured Query Language (SQL) is discussed in depth, including Data Definition Language (DDL), Data Manipulation Language (DML), Data Control Language, and data integrity checking. Client and Server architecture is also discussed.
Prerequisite: COMP 1230 with a C or better

COMP 2570
Systems Analysis and Design 1 ***3 credits (3,1,0)***

Students are introduced to systems analysis and design. Topics in analysis include project initiation, preliminary investigation, definition of project scope, cost/benefit analysis, interviewing techniques, presentation techniques, detailed systems investigation, and analysis. Topics in design include object-oriented design, input, output, files, systems processing and systems controls. This course may use CASE tools in the lab component.
Prerequisite: Completion of 1st year Computing Science Diploma

COMP 2590
Program Design and Data Structure for Engineers
3 credits (4,3,0)

Students examine the two main aspects of computer software (data structures and algorithms), and developing medium-sized programs (as opposed to suites of programs). The object-oriented programming paradigm is utilized. Students acquire knowledge of the basic data structures and algorithms commonly used in Computing Science; an understanding of the techniques appropriate for developing middle-sized computer programming projects; the skills appropriate for small, team programming projects; and practical programming skills in an object-oriented and procedural language, such as Java or C++.
Prerequisite: Admission to the Electrical-Computer Engineering Year 2 program or permission of the Engineering Transfer program coordinator COMP 1520 or COMP 1130

COMP 2620
E-Commerce Systems Development
3 credits (3,1,0)

This course introduces students to the design, implementation, and operation of Electronic Commerce systems. Emphasis is placed on the technology involved in creating Web databases, data marts, data mining systems, and interactive data warehousing. Students also discuss financial issues (electronic payments system, customs, and taxation), privacy, security, and legal issues. Students are required to prepare a team project of a working E-Commerce system using a variety of current tools. Upon completion, students have a strong understanding of the basic building blocks (concepts and technology) and their interrelations in the E-Commerce system, and are capable of developing a small size E-Commerce transaction processing system using current tools.
Prerequisite: COMP 2560 with a C or better and COMP 2680 with a C or better

COMP 2630
Small Computer Systems: Communication and Networks (L)
3 credits (3,1,0)

Advances in computer technology bring a new dimension to small computer systems networking. The networking of fast, reliable, and inexpensive small computer systems is revolutionizing the organization of companies, downsizing applications, and is a major new area of employment. The course introduces the fundamentals of data communication and computer networks. A discussion of information transfer and data communication is followed by an overview of computer networks. Students focus on Local Area Networks (LAN), including their design, organization, installation, maintenance, administration, and issues of data security, backups and recovery. LAN access to Wide and Global networks is explored. Student learning is supported by hands-on practical workshops and seminars on the design, installation, and administration of typical LAN systems.
Prerequisite: COMP 1570 with a C or better

COMP 2640
Languages-Advanced Programming *3 credits (3,1,0)*

Students examine advanced programming techniques using object-oriented methodology for enterprise design and implementation. The following topics are developed: (1) Use of Component Object Model for system development; (2) Design and implementation of a run time libraries for modern window applications including classes and ActiveX components, including ActiveX DLL's, ActiveX EXE's, and ActiveX Controls; and (3) client server techniques used for distributed systems and for use over the Internet. Visual Basic is the programming vehicle used in this course.
Prerequisite: COMP 1240 with a C or better and COMP 1670 with a C or better and COMP 2520 with a C or better and COMP 2560 with a C or better

COMP 2660
Advanced Object-Oriented Programming
3 credits (3,1,0)

This is an advanced computer programming course with an emphasis on object-oriented concepts (such as inheritance, encapsulation, abstraction, and polymorphism) and design modeling using the Unified Modeling Language (UML). Topics include multi-threading, network sockets, and Graphical User Interface (GUI) programming techniques. Students use Managed Visual C++.NET and Java for programming.
Prerequisite: Completion of 3rd semester of Computer Science Diploma and COMP 2520 with a C or better

COMP 2670
Systems Analysis and Design 2 *3 credits (3,1,0)*

Continuing from COMP 2570: Systems Analysis and Design 1, students carry out a detailed analysis of an existing business system, and design an improved system under guidance of the system management. Topics include the design of systems controls, project management, scheduling and control, systems implementation, and evaluation. This is a major hands-on training course. For non-co-op students, this course may only be taken in the graduation semester.
Prerequisite: Completion of 3rd semester of Computer Science Diploma and COMP 2520 with a C or better

COMP 2680
Web Site Design and Development *3 credits (3,1,0)*

This course covers major client-side web application design and development applications including HTML, HTTP, Java Script programming, and Cascading Style Sheets (CSS).
Prerequisite: COMP 1130 with a C or better

COMP 2730
Introduction to Computer Security *3 credits (3,1,0)*

This is an introductory course on computer and information system security. Students discuss key security requirements such as Confidentiality, Integrity, and Availability (CIA), and the mechanisms used to ensure them, such as Authentication, Access Control, and Auditing (triple-A). The course lays the foundation for further study, and for students seeking industry certifications, such as CompTIA Security+ or CISSP.
Prerequisite: COMP 2630 with a C or better

COMP 2810
Game Design and Development 2 *3 credits (3,1,0)*

Building a high-quality game is a complex and challenging process; a key element to its success relies on the game interface design. Students build on the fundamentals of game design learned in COMP 1810: Game Design and Development 1. Different genres of game are considered, such as action games, strategy games, role-playing games, sports games, simulation or serious games, adventure games, artificial life and puzzle games, and online gaming. Students learn to effectively design game Interfaces that enable players to participate in unique and engaging experiences.
Prerequisite: COMP 1810 with a C or better

COMP 2910
Computer Applications in Business *3 credits (2,1,0)*

This is a business software applications course for students in tourism programs. Building upon computer skills acquired in COMP 1910: Introduction to Computers and Business Information Systems, students in this course complete business-related software projects. The emphasis of the course is on computer applications in the tourism industry. In addition, a common thread throughout the course is the application and integration of communications technologies with business software. Students make extensive use of the World-Wide-Web and internet-based applications.
Note: Students entering the Bachelor of Computing Science program must see the program coordinator before registering for BCS courses.
Prerequisite: ACCT 1000 with a C or better COMP 1910 with a C or better

COMP 3050
Algorithm Design and Analysis *3 credits (3,1,0)*

Students begin by defining what an algorithm is, discuss what it means to do algorithm analysis, and analyze why it is important in Computing Science. Topics include tools and methods for algorithm analysis and design; mathematical notations; choice of data structure; and space and time efficiency; Computational complexity and additional advanced algorithms are examined. Note: Students taking the Computing Science major, or the Mathematical Sciences major, in the Bachelor of Science program must see the B.Sc. advisor before registering in 3rd or 4th year courses.
Prerequisite: COMP 2230 with a C or better

COMP 3110
Models of Computation *3 credits (3,1,0)*

Computer Science is the study of computers and programs, and the collections of instructions that direct the activity of computers. Computers are made of simple elements but they often perform complex tasks. The great disparity between the simplicity of computers and the complexity of computational tasks offers intellectual challenges. Theoretical computer science develops methods and models of analysis to meet those challenges. This course provides an introduction to general computational models (logic circuits, upper bound on the size and depth of the circuits for important problems); automata (finite-state, random-access, and Turing machines); formal languages; and computational complexity (time- and space-bounded complexity classes, and space-time tradeoffs).
Required Seminar: COMP 3110S
Prerequisite: COMP 2130 with a C or better and COMP 2230 with a C or better

COMP 3120
Programming Languages *3 credits (3,1,0)*

This course is a comparative study of programming languages including their syntax, semantics and run-time behavior. Students discuss data abstraction, programming paradigms (functional, object-oriented, procedural, and relational) and their appropriate applications. Interpretation versus compilation as well as concurrent computations are discussed.
Required Seminar: COMP 3120S
Prerequisite: COMP 2230 with a C or better

COMP 3130
Formal Languages, Automata & Computability
3 credits (3,1,0)
Students discuss formal grammars, normal forms, the relationship between grammars and automata, regular expressions, finite state machines, pushdown automata, and Turing machine computability. Additional topics include the Halting Problem; an introduction to recursive function theory; application to programming languages; and editors and command languages (operating systems).
Required Seminar: COMP 3130S
Prerequisite: COMP 2130 with a C or better and COMP 2230 with a C or better

COMP 3140
Object-Oriented Design and Programming
3 credits (3,1,0)
Students are introduced to object-oriented design and programming. Topics include object-oriented concepts, object-oriented programming, development of console-based applications in C++, Visual C++, Visual Basic .Net, and an introduction to Microsoft Foundation Classes (MFC) and inter-object communication. Students design and develop systems using object-oriented design and programming methodologies in console and Windows-based applications.
Prerequisite: COMP 1230 with a C or better
Corequisite: COMP 2230

COMP 3150
Java Programming *3 credits (3,1,0)*
The Java programming language is a modern object-oriented language designed with two very important features: (1) platform independence, which allows the program to be executed on different machines and under the control of different operating systems; and (2) direct support for HTML (and similar) documents. These two features made Java a language of choice for internet-based applications. This course consists of an overview of the Java environment, syntax, and libraries; object-oriented program design in java; program design in Java for the internet (applets, servlets); and multiprogramming in Java (multithreading). Required Seminar: COMP 3150S
Prerequisite: COMP 2230 with a C or better

COMP 3160
Mobile Application Development 2 *3 credits (3,1,0)*
Students are introduced to advanced mobile application development. Topics include databases, GPS and other sensors, maps, 2D graphics, 3D graphics, sound, music and other media, game development, and network communication.
Prerequisite: COMP 2160,C or better

COMP 3260
Network Security *3 credits (3,1,0)*
Most applications on the Internet exchange information between clients and servers. The exchange of information over the Internet is very challenging due to an abundance of different technologies, and all the security issues that arise between those technologies. Students explore the Internet network model and architecture, network protocol issues, the security issues on the Internet, malicious software, and finally how to protect systems and LANs.
Prerequisite: COMP 2130 and COMP 2230,with a grade of at least C in both.

COMP 3270
Computer Networks *3 credits (3,1,0)*
Students learn computer network architecture, data communications and protocol design principles; and practice designing and implementing a new protocol. The course addresses the network models; encoding and decoding; error detection and recovery; Local Area Network (LAN); addressing issues; packet forwarding mechanisms; routing; and protocol design and implementation.
Prerequisite: COMP 2130 with a C or better
Corequisite: COMP 2230

COMP 3320
Computational Methodology *3 credits (3,1,0)*
This course offers selected topics in numerical computations with an emphasis on computer arithmetic, analysis of roundoff errors, propagation of errors, and environmental paremeters. Students explore computational metholology as applied to solving problems in Numerical Linear Algebra (Direct and Iterative Methods), non-linear equations and non-linear systems of systems of equations. Students are also introduced to the use of numerical software libraries and the design of numerical software packages.
Required Seminar: COMP 3320S
Prerequisite: COMP 2230 with a C or better

COMP 3410
Operating Systems *3 credits (3,1,0)*
This course considers principles and techniques for the design and implementation of operating systems (OS): computer resource management (memory management, processor management, I/O management, file management, process management and security management) and process communication. Students also discuss case studies for operating systems, real-time OS, and Concurrent computations. The course includes a practical OS design project.
Prerequisite: COMP 2130 with a C or better and COMP 2230 with a C or better

COMP 3450
Human-Computer Interaction Design *3 credits (3,1,0)*
This is an introductory course to interaction design from a human-computer interaction perspective. Students examine theoretic and practical concepts of human-computer interaction, which enables them to produce and develop user interfaces with a user-centered approach. The course focuses on the principles of how to design interaction in general, before specific techniques for the application and implementation of design principles are presented. The programming component of the course emphasizes the production of user interfaces that follow the guidelines discussed during the lectures. Students complete several assignments and a project to help them understand, apply, and practice the process of interaction design.
Prerequisite: 3rd year standing

COMP 3510
System Implementation and Development Tools
3 credits (3,1,0)
This course offers tools and techniques to promote programming productivity and software quality. Topics include specifications; code review and inspection techniques; testing and debugging methods and tools; reusable software components and templates; file system navigation; scripting languages; software configuration management; software tools; environments; and instrumenting and profiling.
Prerequisite: COMP 2230 with a C or better

COMP 3520
Software Engineering *3 credits (3,1,0)*
Students are introduced to the software life-cycle by covering topics such as software process models, requirement engineering, design, architecture, implementation, testing, and evolution. Software reuse, component-based development and distributed software engineering aspects of software development are also discussed in this course.
Prerequisite: COMP 2230 with a C or better

COMP 3540
Advanced Web Design and Programming
3 credits (3,1,0)
Students begin by reviewing client-side web technologies used for static webpages and interactive web applications on clients. They then continue with server-side web technologies. Students examine advanced topics in HTML and CSS for interactive web applications; server-side scripting programming for dynamic web applications; database access for three-tier applications; and asynchronous communication between client and server for fast update of windows.
Prerequisite: COMP 2680 with a C or better and COMP 2230 with a C or better

COMP 3610
Database Systems *3 credits (3,1,0)*
Students are introduced to database concepts, and logical and physical database design. Overview of relational database, normalization, and SQL. Database design includes the Entity-Relationship (ER) model and an object-oriented approach (UML). The relational database model and data normalization are used to design and implement a case study project. SQL topics include Data Description Language (DDL), Data Manipulation Language (DML), data integrity checking, and transaction processing. This course reviews the data structures introduced in COMP 2230, which are used in databases and include trees, lists, and indexes.
Corequisite: COMP 2230

COMP 3710
Applied Artificial Intelligence *3 credits (3,1,0)*
Students investigate non-deterministic computer algorithms used in wide application areas, that cannot be written in pseudo programming languages. Non-deterministic algorithms have been known as topics of machine learning or artificial intelligence. The topics covered in this course include mainly classical artificial intelligence techniques and soft computing techniques. Classical artificial intelligence techniques include knowledge representation, heuristic algorithms, rule based systems, and probabilistic

reasoning. Soft computing techniques include fuzzy systems, neural networks, and genetic algorithms
Prerequisite: COMP 2230 with a C or better

COMP 3820
Computer Graphics and Visualization *3 credits (3,1,0)*
tudents are introduced to computer graphics and visualization. The course covers basic principles and techniques that are used for graphics applications through simple examples. Students are exposed to current graphics and Application Programming Interfaces (API) for desktop computers and mobile devices, and learn the development of graphics applications (interactive games, visualizations, simulations) through assignments and a project.
Prerequisite: COMP 2230 with a C minimum

COMP 4110
Language Processors *3 credits (3,1,0)*
This compiler design course includes topics such as translators; compilers; assemblers and interpreters; compiler organization; compiler writing tools; use of regular expression; finite automata and context-free grammars; scanning and parsing; run- time organization; semantic analysis; and storage allocation and code generation.
Prerequisite: COMP 3050 with a C or better

COMP 4120
Distributed Systems *3 credits (3,1,0)*
Students examine the evolution of technology and the concepts underlying distributed computing systems. Topics include the fundamentals and principles of distributed computing; language constructs for distributed programming; formal specification of distributed systems; distributed algorithms; elements of distributed operating systems; and elements of fault-tolerant distributed architectures.
Prerequisite: C or better in COMP 3270, COMP 3410, COMP 3610

COMP 4230
Advanced Computer Networks *3 credits (3,1,0)*
This course is designed as a follow-up course on computer networks. The application of networking concepts taught in computer networks, as well as additional topics in advanced Computer Networks are emphasized.
Prerequisite: C or better in COMP 3270, COMP 3610

COMP 4240
Internet/Intranet *3 credits (3,1,0)*
Students are presented with the most practical internet and intranet technologies and techniques. Topics include internet protocols, addressing and architecture, intranet and extranets design, installation, and management, and all aspects of internet/intranet security and user/data authentication.
Prerequisite: C or better in COMP 3540, COMP 4240

COMP 4250
Computer Network Administration (L) *3 credits (3,1,0)*
This course emphasizes the implementation and the administration of network and network servers, and network security. Topics include administration of internet working and server software on network servers; network traffic surveillance; network security problems, firewall, intrusion detection and defense; and the implementation of a practical LAN.
Prerequisite: C or better in COMP 3270, COMP 3410

COMP 4260
Mobile Computing *3 credits (3,1,0)*
Students focus on the basic knowledge of mobile applications, and progress to the mobile application service platform and the development of mobile applications, using Mobile Java Technology. Topics include wireless Internet service, Wireless Markup Language and Wireless Application Protocol, Connected Limited Device Configuration, and Mobile Device Information Profile.
Prerequisite: C or better in COMP 3260 or COMP 3270

COMP 4320
Advanced Computational Method *3 credits (3,1,0)*
Students focus on selected advanced topics in numerical computations with an emphasis on the analysis of errors. The study of computational methodology as applied to solving problems in interpolation and approximation includes splines and least spares data fitting; numerical differentiation and integration; numerical initial value ordinary differential equations; and partial differential equations. Students design a numerical software package.
Prerequisite: C or better in COMP 3320

COMP 4340
Modelling and Simulation *3 credits (3,1,0)*
Students examine numerous concepts related to modelling and simulation, including numeric models of dynamic systems with an emphasis on discrete stochastic systems; state descriptions of models, common model components and entities; simulation using algebraic languages; methodology of simulation (data collection, model design, analysis of output, optimization, and validation); elements of queuing theory and its relationship to simulation; and the application of models of computer systems. Students also discuss common simulation languages, such as Simula, GPSS, Simscript, GASP, and Dynamo.
Prerequisite: C or better in COMP 3050

COMP 4480
Directed Studies in Computing Science *3 credits*
Students undertake an investigation on a specific topic as agreed upon by the student and the faculty member.
Prerequisite: Admission to the Computing Science Major or to the Bachelor of Computing Science with a GPA equal to or more then 3.0. Permission of the faculty member (supervisor) is required, and if the course is co-supervised, an acceptance of the topic by a co-supervisor with the appropriate expertise. The co-supervisor may be either from the campus or off campus. Registration in in this course requires the approval of the Department of Computing Science.

COMP 4510
System Software Design *credits (3,1,0)*
Students focus on systems software components and their functions; operating software, translators, linkers, loaders, and cross assemblers; utility software; the relationship of operating software to hardware; developing system software components; single user, multiprogramming and distributed systems (LANs) operating software; and terminate and stay resident programs.
Prerequisite: C or better in COMP 3520

COMP 4530
Advanced Software Engineering *3 credits (3,1,0)*
This course builds on the material students learned in COMP 3520: Software Engineering. Students examine the management perspective of software development, such as project management, planning, quality and configuration management. Advanced topics are also explored, such as dependability and security engineering, service-oriented architecture, aspect- oriented software engineering and embedded system development.
Prerequisite: C or better in COMP 3520

COMP 4540
Advanced Web Design and Programming
3 credits (3,1,0)
This course is a continuation of COMP 3540: Web Site Design and Programming. Students discuss advanced web design concepts, technologies and techniques. Server-side programming aspects are also explored, including advanced CGI techniques, ASP (Active Server Pages) and JSP (Java Server Pages), XML and the document model.
Prerequisite: C or better in COMP 3540, COMP 3610

COMP 4610
Advanced Database Systems *3 credits (3,1,0)*
This course continues with database concepts introduced in COMP 3610: Database Systems. Students begin with a review of database design and implementation principles, and progress to discussions about the relational database model, designing for optimization, and normal forms. Topics include domain/ key normal form; relational database strategies for Database Manipulation Languages (DMLs); database administration and multi-user database issues (control, security, optimization and related); and distributed database systems with an emphasis on Client/Server, data warehousing, object-oriented database systems, and web-based database issues.
Prerequisite: C or better in COMP 3610

COMP 4620
Web-based Information Systems *3 credits (3,1,0)*
This course provides students with the concepts and technologies involved in the design, implementation, and operation of web-based information systems. Students use a variety of web development tools and programming/scripting languages. Emphasis is placed on the technologies for rich web application, including the aspect of web programming paradigm; the information exchange between client and server; the model-view-controller architecture; web application frameworks; content management systems; web services; web data mining; and security issues.
Prerequisite: C or better in COMP 3540 and COMP 3610

COMP 4630
Distributed Databases and Distributed Data on the World Wide Web *3 credits (3,1,0)*
This course offers instruction in three major types of distributed architecture: client/server paradigm (2-tier, 3-tier, N-tier), distributed database environments (homogenous and heterogeneous), and data-centered co-operative systems. Topics

include distributed system design; database transactions; query optimization; data replication; partitioning; and models for metadata. Students are required to work on small projects using a variety of current DBMS software and tools, such as MS SQL Server 7.0, Oracle 8, MS Access 2000, XML, MSXML, ODBC, OLE-DB, ASP, and VBScript on Web server.
Prerequisite: COMP 3540 with a C or better and COMP 3610 with a C or better

COMP 4740
Expert Systems *3 credits (3,1,0)*
Students are introduced to artificial intelligence theory and practice underlying expert systems. Topics include knowledge bases; inference engines; knowledge representation formalisms; knowledge acquisition; search and reasoning techniques; and other practical issues in the development of expert systems. For logic-based approaches, students explore rule-based systems, semantic networks, frames, and mixed representation formalisms. For uncertainty management, certainty factors, Bayesian network, D-S belief functions, and fuzzy logic are discussed.
Prerequisite: COMP 3710 with a C or better

COMP 4750
Natural Computing *3 credits (3,1,0)*
Natural Computing is about methods of computation that are inspired by nature including how humans compute. Nature-inspired, man-designed computing is the metaphorical use of concepts, principles and mechanisms underlie natural systems. This includes evolutionary algorithms, neural networks, fuzzy logic, swarm intelligence, molecular computing and quantum computing. Students discuss intelligent systems design using neural computing/soft-computing/computational intelligence (NC/SC/CI) techniques in an integrated manner, and are presented with theory and applications, including industrial applications. Traditional artificial intelligence (AI) techniques are mainly based on mathematical techniques of symbolic logic, referred to as 'crisp' techniques by the soft computing community. NC/SC/CI seeks inspiration from the world of biology, and is used to create real-world intelligent systems with the aid of NC/SC/CI tools.
Prerequisite: COMP 3050 with a C or better

COMP 4830
Multimedia *3 credits (3,1,0)*
Students are introduced to the concepts, theories, and practices involved in the development of multimedia applications. The course covers fundamental concepts and theories of different digital media, the principles of good design, and the most recent technologies for the development of multimedia applications. Students explore practical knowledge and techniques of multimedia programming by completing course assignments and a project related to web-based and mobile applications. Students enrolled in this course are expected to increase their proficiency in the development of multimedia applications using these contemporary technologies.
Prerequisite: C or better in COMP 2230

COMP 4910
Computing Science Project *3 credits (2,2,2)*
The capstone project in the Bachelor of Computing Science and Computing Science Major programs includes the practical design and implementation of a supervised project in an area of specialization in Computing Science. Students develop a 'live project' which includes experience working with an external client.
Prerequisite: COMP 3520 with a C or better and 4th year standing
Corequisite: COMP 4530

COMP 4930
Professional and Ethical Issues in Computing Science
3 credits (3,0,0)
Students examine current computer issues and selected topics from these, including the impact of computer technology on society; historical perspectives; social and economic consequences of large-scale information processing systems and automatic control; legal and ethical problems in computer applications; intellectual property. Additional topics include the computer and the individual; machine versus human capabilities; facts and fancy; problematic interface between man and machine; privacy and security; the need for standards and the implications of non-standardization; and ethics.
Prerequisite: 3rd year standing

COMP 4960
Honours Thesis in Computing Science *6 credits*
Each student in this course is required to conduct, under the supervision of a member of the Department of Computing Science, an individual investigation into a Computing Science topic or problem at the advanced undergraduate level, the results of which are to be typed and submitted as an Honors Thesis. The thesis is defended at a public lecture before an examining committee.
Prerequisite: Admission into the Computing Science Honors program as part of a Bachelor of Science degree and identification of a supervisor

COMP 4980
Current Topics in Computing Science *3 credits (3,1,0)*
Students are introduced to selected current topics in computing science at the advanced undergraduate level. Due to the rapidly changing nature of computing science, the course content varies from year to year.
Prerequisite: Admission to the 4th year of the Bachelor of Computing Science degree program or 4th year standing in the Computing Science Major program

COOK 1100
Culinary Introduction 1
This course, based on the Provincial Professional Cook Training curriculum for the Professional Cook 1 program, familiarizes students to food handling procedures surrounding safety and sanitation. Students learn safe use of tools and equipment, safe work practices, product identification, and food preparation methods, including seasoning and presentation. This course is the first level of the Provincial Apprenticeship program.
Prerequisite: Admission into Professional Cook 1
Corequisite: Registered Cook Apprenticeship with the Industry Training Authority

COOK 1110
Culinary Introduction 2
This course, based on the Provincial Professional Cook Training curriculum for the Professional Cook 1 program, familiarizes students to food handling procedures surrounding safety and sanitation. Students learn safe use of tools and equipment, safe work practices, product identification, and food preparation methods, including seasoning and presentation. This course is the first level of the Provincial Apprenticeship program.
Prerequisite: Admission into Professional Cook I
Corequisite: Registered Cook Apprenticeship with the Industry Training Authority

COOK 1200
Culinary Dining Room
This course is based on the Provincial Professional Cook Training curriculum for the Professional Cook 2 program. Students develop a preliminary understanding of food costing, menu planning and purchasing processes. Using multiple cooking methods, students complete a variety of cooking, baking (including deserts) and food preparation tasks. This course is the second level of the provincial apprenticeship program.
Prerequisite: Admission into Professional Cook 2
Corequisite: Registered Cook Apprenticeship with the Industry Training Authority

COOK 2100
Culinary Apprentice 3
This course is based on the Provincial Professional Cook Training curriculum for the Professional Cook 3 program. Students develop a preliminary understanding of food costing, menu planning and purchasing processes. Using multiple cooking methods, students complete a variety of cooking, baking (including deserts) and food preparation tasks. This course is the third level of the Provincial Apprenticeship program from the Industry Training Authority.
Prerequisite: Admission into Professional Cook 3
Corequisite: Registered Cook Apprenticeship with the Industry Training Authority

COOP 1000
Career Management *1 credit (2,0,0)*
Students admitted into co-operative education must complete this pre-requisite one credit course prior to their first work term. The course will cover an introduction to co-operative education, career development theory, self-assessment, career communications, interview skills, workplace dynamics, networking, workplace culture and issues specific to co-operative education work terms. Students who are not enrolled in coopertive education may still take this course, but they should determine whether it is accepted by their certificate, diploma, or degree program before registering.

COOP 2200
Co-op Abroad *3 credits*
This course provides TRU students access to co-op education. Co-operative education integrates academic studies with paid periods of relevant work experience and provides students with the opportunity to develop specific competencies, professional skills and technical knowledge related to their field of study.
Prerequisite: COOP 1000

CYCA 1820
Practicum 1 *4 credits (0,0,7)*
Students participate in classroom activities and a workplace experience designed to integrate core concepts into their practice as child and youth care workers, develop their skills as practitioners, and engage in the design and delivery of individual and/or group programs with agency supervision and faculty contact.
Prerequisite: Admission to the Child and Youth Care diploma program and successful completion or current registration in all second year core courses CYCA 2000, CYCA 2020, CYCA 2530, HUMS 3530

CYCA 2000
Introduction to Professional Foundations of Child and Youth Care
3 credits (3,0,0)
This course provides an overview of the foundations of professional child and youth care practice. Topics include a review of the history of the child and youth care field and an identification of current child and youth care practice settings. Current theory and practice perspectives are explored, in addition to issues related to professional identity, ethical practice, children's rights, and interdisciplinary work.

CYCA 2020
Theoretical Foundations in Child and Youth Care
3 credits (3,0,0)
Students are introduced to theory and practice and how these two concepts relate. Students explore three specific ways of thinking about, understanding, and dealing with behaviour and behaviour change: behavioural, psychodynamic, and systemic. The influence of normative development, multiculturalism, and gender sensitivity on therapeutic interventions is discussed.
Prerequisite: Admission to the Child and Youth Care Diploma program or Human Service Diploma

CYCA 2500
Special Topics ***3 credits (3,0,0)***
Students are provided an opportunity to examine selected current issues in child and youth care.
Prerequisite: Admission to the Child and Youth Care Diploma program

CYCA 2530
Self and the Helping Relationship as a Context for Change
3 credits (3,0,0)
An effective helper must be aware of the values, language, contextual speech, gender, and cultural differences affecting his or her relationships. The ideas, concepts, and topics in this course emphasize the role and development of self as helper, and the importance and use of the helping relationship as a context for facilitating change.
Prerequisite: Admission to the Child and Youth Care Diploma program or Human Service Diploma

CYCA 2620
Introduction to Self in Groups ***3 credits (3,0,0)***
Students examine group development theory and the use of theories in human service practice. Participants develop an awareness of themselves as group participants. Topics include planning for group work, facilitating groups, dealing with group dynamics and challenges, and enhancing group safety. There is an emphasis on group work with children and youth.

DAAD 1100
Communications Graphics ***3 credits (2,1,0)***
This course is designed to develop students' awareness of the principles and practice involved in the production and design of effective visual communications for both audio/visual and print production. Creative and practical applications of typography, photography and illustration are examined, as they relate to visual problem solving in a computer graphics environment. Oral and visual presentation skills are emphasized.
Required Seminar: DAAD 1100S
Prerequisite: DAAD 1200, DAAD 1750

DAAD 1200
Graphic Design ***3 credits (2,1,0)***
Effective design communicates a message within a given context: superior design requires the combining of various elements including words, photographs, illustrations, and graphic images in a manner that achieves an interaction with the intended audience. This course encourages students to explore their creative potential by working with these elements through conscious experimentation while studying the effects of reworking and refining ideas.
Required Seminar: DAAD 1200S
Corequisite: DAAD 1750

DAAD 1300
Typography (L) ***3 credits (2,1,0)***
This course provides students with the typographic skills required to produce effective communications in Computer Graphics and Desktop Publishing environments. Throughout the course, the importance of sound typographic communication skills are stressed: students learn the elements of good typography, how to choose the proper typestyle and how to use type as a powerful communication tool. An in-depth look at Desktop Publishing software is an integral part of this course.
Required Seminar: DAAD 1300S
Prerequisite: Admission to the Digital Art and Design program
Corequisite: DAAD 1750

DAAD 1500
Digital Photography (L) ***3 credits (2,2,0)***
This course introduces students to the basics of photography with the use of a digital camera and prevailing industry software. The emphasis of this course is on capturing excellent images on camera with both natural (available) and artificial light. A significant amount of time is dedicated to increasing students' awareness of both the technical and aesthetic aspects of photographic composition. Students learn a variety of techniques and strategies for effective photo finishing and manipulation, printing, and publishing.
Required Seminar: DAAD 1500S

DAAD 1750
Graphic Applications and Digital Art & Design Systems 1
3 credits (2,1,3)
This is an introduction to the theories, processes, hardware and software used in solving illustration or photograph-based visual problems, and creating computer generated artwork. Students take their solutions from sketch through to print and network-based output for applications including desktop publishing and prepress, multimedia, and web development. Students are exposed to hardware and software commonly used in the industry.
Required Lab: DAAD 1750L
Required Seminar: DAAD 1750S
Prerequisite: Admission to the Digital Art and Design program

DAAD 1950
Desktop Publishing and Digital Prepress 1 (L)
3 credits (2,1,3)
This course introduces the issues and technologies involved in moving print-based design projects from concept to final output. This is accomplished through a study of print technologies, their limitations and attributes, and an exploration of common computer-based publishing technologies.
Required Lab: DAAD 1950L
Required Seminar: DAAD 1950S
Prerequisite: DAAD 1200, DAAD 1300, DAAD 1750, or relevant work experience with a work portfolio

DAAD 1960
New Media 1: Multimedia, Animation & Online Publishing (L)
3 credits (2,1,3)
This hands-on course introduces students to the fundamental principles and techniques used in the design of effective user interfaces. Students develop user-centric designs that conform to current W3C standards. Topics include designing with HTML5, CSS3 and responsive design for delivery to mobile devices; project planning (storyboards, wireframes, sitemaps); principles of animation (time, motion); principles of presentation design (esthetic and pragmatic, including the use of color and images); an introduction to content management systems (CMS); and the management of technical issues associated with electronic design (proper file formats, moving information, network-based publishing). Students utilize prevailing industry standard software as they are introduced to a variety of development techniques; however, students also learn separation of structure and content from design by hand coding.

DAAD 2600
Production Art (L) ***3 credits (0,1,6)***
Students develop their skills as computer artists. Preparation of a presentation level portfolio is the primary focus of this course. Assignments are aimed at developing the students' speed and dexterity on the computer. Students also gain experience in working to tight production deadlines, and coping with client-generated restrictions and design limitations. Assignments may be allocated to students from 'real world' production houses.
Required Lab: DAAD 2600L
Prerequisite: Successful completion of all required courses within the first three terms of the DAAD program

DAAD 2750
Graphic Applications and Digital Art and Design Systems 2 (L)
3 credits (2,1,3)
This course is a continuation of DAAD 1750 which explores advanced and complex usage of the theories, processes, hardware and software used in solving illustration and photographic visual problems, and creating computer generated artwork. Students take their solutions from sketch through to print and network-based output for applications including desktop publishing and prepress, multimedia, and web development. Students are exposed to hardware and software commonly used in the industry. Students work through visual challenges and problems that are increasingly technical and complex.
Required Lab: DAAD 2750L
Required Seminar: DAAD 2750S
Prerequisite: Successful completion of all required courses of the first three terms of the DAAD program.

DAAD 2840
Content Creation, Information Design and Portfolio Development (L) ***3 credits (2,1,3)***
This course explores the essential principles of multimedia writing, information design, editing and conception, including approaches to content arrangement, narrative, and the use of non-linear and associative patterns. Strategies for repurposing existing content are also explored.
Required Lab: DAAD 2840L
Required Seminar: DAAD 2840S
Prerequisite: ENGL 1810, DAAD 1100, DAAD 1200, DAAD 1300, DAAD 1960

DAAD 2860
Digital Art & Design Project (L) ***3 credits (0,1,6)***
This project-based course gives students an opportunity to explore a Digital Art & Design area of their choosing to a greater depth. Students must identify an area of learning, the specific resulting project, project milestones and, in conjunction with instructors, identify a learning plan, and assessment criteria. Students are urged to use real-world projects wherever possible. To accommodate the widest possible range of learning goals, students may also tender a proposal to fulfill the requirements of this course with an elective offering. Proposals must be approved by the program coordinator or chairperson.
Required Lab: DAAD 2860L
Prerequisite: Successful completion of all required courses of the first three terms of the DAAD program.

DAAD 2880
Project Management and Client Contact (L)
3 credits (3,1,1)
There are two elements to this course: project management theory which students apply practically to development projects in the program; and a case study component that connects students with industry representatives for the exploration of client contact problems.
Prerequisite: Successful completion of all required courses of the first three terms of the DAAD program

DAAD 2950
Desktop Publishing and Digital Prepress 2 (L)
3 credits (2,1,3)
Continuing from DAAD 1950, this course examines the issues and technologies involved in moving print-based design projects from concept to final output. Issues involving advanced color usage, service bureau liaison, and high-end printing are studied in greater depth.
Prerequisite: DAAD 1100, DAAD 1200, DAAD 1300, DAAD 1950

DAAD 2960
New Media 2: Multimedia, Animation & Online Publishing (L)
3 credits (2,1,3)
Students continue to explore the development and design of effective user interfaces. In addition to the refinement of skills previously learned in DAAD 1960, students have an opportunity to study designing for social media, SEO (search engine optimization), and web analytics. As projects increase in complexity, students examine issues such as maintaining styles in large web sites, template development, and working with leading edge technologies such as streaming media and animation. Team based learning is an important aspect of this class and teams are required to design and develop an actual working Web site for a client within the community.
Required Lab: DAAD 2960L
Required Seminar: DAAD 2960S
Prerequisite: DAAD 1960

DRAF 1520
Engineering Graphics ***3 credits (2,0,3)***
This course is intended for students in first-year engineering. The course offers the fundamentals of orthographic projection, technical sketching, engineering graphic standards and conventions, and graphic solution of space and vector problems. Conventional drafting techniques are limited to sketched solutions, with the majority of the assignments being performed on the computer using CAD software. The course includes three hours per week of computer lab time during which students learn to operate AutoCAD software on PC workstations. Note: (if applicable) This course is only offered in the Fall semester. Students are required to register for the DRAF 1520 Lab.
Prerequisite: Admission to the Engineering Transfer Program or written consent of the Program Coordinator
Recommended: Use of a laptop or desktop computer is encouraged.

ECED 1200
Practicum 1 Developing Relationships with Children
4 credits (0,2,10)
This is an innovative field practice course designed to allow students to apply the knowledge, skills and attitudes required to become an effective educator of young children. Students have repeated opportunities to practice observation and documentation techniques, prepare the learning environment, develop relationships with children, and guide behavior with the mentorship of early childhood educators and a practicum instructor. Students integrate theoretical knowledge, use reflective practice and demonstrate professional conduct.
Prerequisite: Admission to the Early Childhood Education Program
Corequisite: ECED 1320 and ECED 1350

ECED 1300
Practicum 2 Program Planning for Young Children
4 credits (0,2,10)
Building on the goals of ECED 1200: Practicum 1, students integrate their knowledge and skills while participating as a team member in child care programs. Students take on additional responsibilities related to curriculum planning, managing a program, and responsibility for documentation with the mentorship of an early childhood educator and a practicum instructor. Students introduce a project to a group of young children, observe and record children's learning, and make the learning visible to the children, families, educators, and community.
Prerequisite: Admission to the Early Childhood Education Program ECED 1200

ECED 1320
Child Guidance ***3 credits (4,0,0)***
This course is designed to demonstrate the positive influential effects of developmentally appropriate practice and a positive environment on children's behaviour. Students are instructed in how to support children's social and emotional development through an examination of the significance of play, interpreting children's behaviour, and individualizing interactions with children. To practice direct and indirect guidance strategies, students focus on the development of meaningful relationships and positive self-esteem for young children.
Prerequisite: Admission to the Early Childhood Education Program or permission from course instructor.
Corequisite: ECED 1200 and ECED 1350, if admitted to the Early Childhood Education program.

ECED 1330
Child Health ***3 credits (3,0,0)***
Holistic health and wellness principles to support children's development is the focus of this course. An emphasis is placed on strategies to promote children's understanding of good health and nutritional habits. Students explore the health and safety of children by examining health related agencies, health regulations, and children with exceptionalities. Additional topics include personal wellness, childhood illness, and hospitalization.
Prerequisite: Admission to the Early Childhood Education Program or permission from course instructor.

ECED 1340
Communication ***3 credits (3,0,0)***
Students are exposed to the Canadian perspective of inclusion and learn about the supported child care development program in British Columbia. Individual educational plans are discussed from a theoretical perspective, with an emphasis on development, implementation, and evaluation. Observation and assessment techniques, report writing, and case conferencing with a variety of community professionals are explored. A range of local, provincial and national support services are researched and disseminated.
Prerequisite: Completion of Early Childhood Education Certificate/Diploma
Corequisite: ECED 3330

ECED 1350
Introduction to Program Planning ***3 credits (4,0,0)***
An exploration of art media and authentic materials develops student's competence and creativity prior to implementing activities with children. Emphasis is on the preparation of the learning environment, both physical and social, routines, and the role of the educator to develop, implement, evaluate, and document appropriate educational experiences for children. The British Columbia Early Learning Framework and pedagogical narrations are introduced.
Prerequisite: Admission to the Early Childhood Education Program
Corequisite: ECED 1200, ECED 1320,

ECED 1360
Curriculum Development ***3 credits (4,0,0)***
Students examine the principles to develop, implement and evaluate a play-based program with key concepts in language and literacy and music and movement across the curriculum. Students learn theory and gain practical knowledge to plan activities in which young children can explore sound, movement, music, books, stories, drama, and beginning literacy, within the context of the whole program for children.

Prerequisite: Admission to the Early Childhood Education Program, ECED 1200, ECED 1350
Corequisite: ECED 1300

ECED 1440
Helping Interactions *3 credits (3,0,0)*
Building upon the knowledge and skills acquired in ECED 1340: Communications, students examine the essentials of professional interdependent relationships. Topics include leadership, effective communication, and problem-solving skills. Students practice assertive communication, intercultural awareness, and team building.

ECED 2200
Practicum 3 Demonstration Practicum *5 credits (0,2,16)*
This is an advanced practicum course designed to give students opportunities to apply their skills and knowledge of the role of the educator in a community child care program under the supervision of a practicum instructor and a designated sponsor educator. Students take on a leadership role to design and implement curriculum, in addition to having more opportunities for reflection and the practice of ethical decision-making. Students introduce a project to a group of young children, observe and record children's learning, and make the learning visible to the children, families, educators, and community.
Prerequisite: ECED 1200, ECED 1300, ECED 1320, ECED 1350, ECED 1340, ECED 1360
Corequisite: ECED 2350

ECED 2350
Advanced Program Development *3 credits (4,0,0)*
This course surveys the historical foundations of Early Childhood Education through an examination of the theories and practices of important philosophers and educators. A discussion of philosophy and play lays the groundwork for students to examine values and beliefs with the purpose of articulating a personal philosophy to guide their practice. In-depth projects, reflective practice, and a variety of curriculum models are essential to this course.
Prerequisite: ECED 1200, ECED 1300, ECED 1320, ECED 1350, ECED 1340, ECED 1360
Corequisite: ECED 2200

ECED 2440
Working with Families *3 credits (3,0,0)*
A strong, reciprocal and respectful relationship between families and educators is a critical component of quality early childhood education programs. The impact of personal experiences on professional interactions are examined within the context of understanding diverse family structures and contemporary issues. Interpersonal communication strategies for building relationships, problem-solving, and conflict resolution with families are explored, and a variety of strategies to share information with families are reviewed.
Prerequisite: ECED 1200, ECED 1300, ECED 1320, ECED 1350, ECED 1340, ECED 1360 or with permission from the course instructor.

ECED 2490
Administration of Early Childhood Education Programs
3 credits (3,0,0)
Students examine the aspects involved in the administration and supervision of early childhood programs. Topics include organizational structure, policies, procedures, and budget preparation, licensing regulations, staff relations, personnel management, and leadership. Students apply course content to design a comprehensive educational program for young children.
Prerequisite: ECED 1200, ECED 1300, ECED 1320, ECED 1350, ECED 1340, ECED 1360 or with permission from the course instructor.

ECED 2550
Programming for Individual Children (L) 3 credits (2,1,0)
Students will gain knowledge about the supported child care program in British Columbia; observation and assessment techniques; report writing; developing, implementing and evaluating individualized educational plans; case conferencing with a variety of community professionals and increased awareness of the range of support services for children.
Prerequisite: Completion of the Early Childhood Education Certificate Corequisite: ECED 2300, ECED 231

ECED 3300
Practicum 4: Program Individual Children
While continuing to pursue the goals of practica 1, 2 and 3 (professional principles, observation and recording techniques, preparation of the learning environment, guiding children and program planning), this course concentrates on the development of program plans for individual children within group settings.
Prerequisite: Completion of the Early Childhood Education Certificate Corequisite: ECED 2310, ECED 2550

ECED 3310
Child Growth & Dev - Individual Differences
This course continues to combine theory and ongoing research with examples of practical application. The purpose is to develop an understanding of the individual differences in intellectual, physical, and social emotional development of children.
Prerequisite: Completion of Year 1 of the Early Childhood Education Program
Corequisite: ECED 2300, ECED 2550

ECED 3400
Infant and Toddler Field Experience (L)
This course will allow the student to put into practice professional principles, observation and recording techniques, preparation of the learning environment, developing and maintaining relationships with children, guiding children and program planning with a focus on infants and toddlers.
Prerequisite: Completion of the Early Childhood Education Certificate
Corequisite: ECED 2450, ECED 2410

ECED 3410
Development and Care of Infants and Toddlers (L)
3 credits (2,1,0)
The development of infants and toddlers is looked at with a particular emphasis on physical care, emotional needs, health and nutritional needs of children under three years of age.
Prerequisite: Completion of the Early Childhood Education Certificate
Corequisite: ECED 2400, ECED 2450

ECED 3450
Program Development for Infants and Toddlers (L)
This course focuses on the development of enriching programs and environments for children under three years of age that will provide for the maximum development of the whole child.
Prerequisite: Completion of the Early Childhood Education Certificate
Corequisite: ECED 2400, ECED 2410

ECON 1220
Introduction to Basic Economics *3 credits (3,0,0)*
Students develop a basic understanding of economic principles, which allows for and encourages informed discussion of media-covered issues. Topics include contrasting macroeconomics and microeconomics; gross domestic product; economic growth and business cycles; unemployment and inflation; aggregate supply and demand; scarcity, opportunity costs, and trade; law of supply and demand; accounting versus economic profits; money and exchange rates; government choices, markets, efficiency, and equity; monopoly and competition; externalities, public goods, and free riders; and globalization and trade policy. Note: Students do not receive credit for ECON 1220 unless it has been completed prior to earning a grade of C- or better in either ECON 1900 or ECON 1950.

ECON 1900
Principles of Microeconomics *3 credits (3,0,0)*
Students examine the interactions between individuals and firms in various types of markets. Topics include a definition of economics; demand and supply analysis; consumer theory; production and cost; market structure including perfect competition, monopoly, monopolistic competition, and oligopoly; market efficiency and market failure; resource markets; and international trade.
Prerequisite: Foundations of Math 11 with a B grade or better or Pre-calculus Math 11 or Principles of Math 11 with a C+ minimum or Applications of Math 12 or equivalent or MATH 0510 or MATH 0530 or equivalent.
Recommended: Completion of one of Principles of Math 12, Foundations of Math 12, or Pre-calculus Math 12

ECON 1950
Principles of Macroeconomics *3 credits (3,0,0)*
Students examine economic behaviour at the aggregate level, and the measurement and determination of national income. Topics include an introduction to economics; measuring macroeconomic variables including gross domestic product, unemployment, and inflation; the Keynesian model; aggregate demand and supply; money and banking; the money market; fiscal policy; monetary policy and the central bank; exchange rates and the balance of payments; and economic growth.
Prerequisite: Foundations of Math 11 with a B grade or better or Pre-calculus Math 11 or Principles of Math 11 with a C+ minimum or Applications of Math 12 or equivalent or MATH 0510 or MATH 0530 or equivalent.
Recommended: Completion of one of Principles of Math 12, Foundations of Math 12, or Pre-calculus Math 12

ECON 2320
Economic and Business Statistics 1 *3 credits (3,0,0)*

Students are introduced to statistics with an emphasis on its applications in business and economics. Topics include descriptive statistics and numerical measures; an introduction to probability; discrete and continuous probability distributions; sampling and sampling distributions; interval estimations; and testing hypotheses and statistical inferences.
Prerequisite: ECON 1220 or ECON 1900 and ECON 1950
Exclusion: MATH 1200, STAT 1200, STAT 2000, ECON 2320, PSYC 2100, SOCI 2710, BIOL 3000, and SOCI 3710

ECON 2330
Economics and Business Statistics 2 *3 credits (3,0,0)*
Students study advanced statistical techniques and methods and their applications in business and economics. Topics include inferences about population variance, including hypothesis testing and confidence intervals; analysis of variance and experimental designs; simple and multiple regressions; time series analysis and forecasting; statistical quality control; and decision analysis. Students are required to apply statistical techniques using Excel and/or Minitab.
Prerequisite: ECON 1220 or ECON 1900 and ECON 1950, ECON 2320 or equivalent, MIST 2610
Exclusion: ECON 2330, ECON 3330, STAT 2410, and STAT 3060.

ECON 2430
Global and Canadian Economics Issues
3 credits (3,0,0)
Students examine a variety of economic issues facing the Canadian and world economies. The topics discussed each semester vary and may include economic crisis, environmental challenges, 'big' business and multinational corporations, globalization, free trade, health care, education, poverty, and the economics of crime.
Prerequisite: ECON 1220 or ECON 1900 and ECON 1950

ECON 2630
Aboriginal Economics *3 credits (3,0,0)*
Students investigate issues related to Aboriginal self-governance and economic development. Topics include the economic rationale for implementing aboriginal rights and titles; the economic explanation for income differences between First Nations and non-First Nations; the First Nations public sector; market failures and successes of First Nations; approaches to First Nations economic development; and government policy initiatives to improve First Nations economies, including a third order of government for aboriginal peoples.
Prerequisite: ECON 1220 or ECON 1900 and ECON 1950

ECON 2900
Intermediate Microeconomics 1 *3 credits (3,0,0)*
Students complete an in-depth examination of the interaction between individuals and firms in various types of markets. Topics include consumer and producer behaviour, partial equilibrium analysis for perfectly competitive markets, and aspects of monopoly and imperfectly competitive markets. This course prepares students for advanced courses in economics.
Prerequisite: ECON 1900, MATH 1170 or equivalent

ECON 2950
Intermediate Macroeconomics 1 *3 credits (3,0,0)*
Students complete an advanced, in-depth examination of economic behaviour at the aggregate level. Topics include the determination and distribution of output in the long run; the classical dichotomy and neutrality of money; the measurement, problems, and determinants of unemployment and inflation in the long run; and the role of capital accumulation, population growth, and technology in growth theory.
Prerequisite: ECON 1950

ECON 2990
Special Topics in Economics *3/6 credits*
The subject matter varies from semester to semester depending upon the interests of faculty and students. Courses are taught by visiting professors to instill their unique perspectives or by regular faculty to address emerging topics in a discipline, share research or teaching interests, or test potential new courses. The added variety in the curriculum greatly enhances the student learning experience.
Prerequisite: Permission of the program advisor

ECON 3040
Managerial Economics *3 credits (3,0,0)*
Students focus on the application of economic models and rational choice to business decision making. Topics include an introduction to managerial economics, demand analysis and estimates, production and cost analysis, technological change and industrial innovation, pricing strategies in imperfectly competitive markets, game theory and competitive strategies, government and business, and forecasting.
Prerequisite: ECON 1900, ECON 1950, MATH 1170 or equivalent

ECON 3090
Managing Personal Economic Wealth *3 credits (3,0,0)*
Students learn to attain their financial goals and achieve financial independence through effective planning. Topics include an overview of a financial plan; planning with personal financial statements; the effects of taxation on financial decision making; banking services; assessing, managing, and securing credit; personal loans; leasing versus buying; buying and financing a home; portfolio management basics; investing in stocks, bonds, and mutual funds; and retirement planning.
Exclusion: Credit for this course cannot be applied towards the BBA.

ECON 3100
Canadian Financial Markets *3 credits (3,0,0)*
Students are introduced to money, banking, and the Canadian financial system. Topics include an overview of financial markets, interest rates and the structure of interest rates, the efficiency of financial markets, financial regulation, banks and other financial institutions, financial institutions risk management, the role of the central bank, the money supply, and monetary policy.
Prerequisite: ECON 1950

ECON 3200
Introduction to Mathematical Economics
3 credits (3,0,0)
Students examine the mathematical methods and tools most commonly used in analyzing economic problems. Topics include a review of set theory, functions, and limits; linear models and matrix algebra; application of single and multivariable calculus; unconstrained and constrained optimization; integration and difference and differential equations; application of dynamic analysis; and linear and non-linear programing.
Prerequisite: ECON 1900, ECON 1950, MATH 1170 or equivalent.

ECON 3330
Economics and Business Statistics 2 *3 credits (3,0,0)*
Building on ECON 2330: Economics and Business Statistics 1, students examine advanced statistical techniques and methods and their applications in business and economics. Topics include inferences about population variance, including hypothesis testing and confidence intervals; analysis of variance and experimental designs; simple and multiple regressions; time series analysis and forecasting; statistical quality control; and decision analysis. Students are required to apply statistical techniques using Excel and/or Minitab.
Prerequisite: ECON 1220 or ECON 1900 and ECON 1950, ECON 2320 or equivalent, MIST 2610
Exclusion: ECON 2330, ECON 3330, STAT 2410, and STAT 3060. ECON 3330 is for non-business students.

ECON 3410
Economics of Climate Change *3 credits (3,0,0)*
Students investigate the climatic changes resulting from global warming and the policy actions being taken to address these problems. Topics include an overview of the science and economics of climate change; the impact of climate change on growth and economic development; the economics of stabilization including efficiency, externalities, public goods, and environmental policy instruments; inter-temporal decisions and uncertainties about the impacts of climate change; the policy responses to mitigation and adaption and their cost; international collective action and its challenges; and prominent climate policy approaches, such as the United Nations Framework Convention and the Kyoto Protocol.
Prerequisite: ECON 1900

ECON 3500
Public Finance *3 credits (3,0,0)*
Students examine the rationale for government intervention in a market economy, the assessment of public policy, and the impact of government expenditures and taxation on the economy and the citizenry. Topics include government activities, externalities, public goods, social security, fiscal deficits and public debt, principles of taxation, incidence and effects of taxation, and optimal taxation.
Prerequisite: ECON 1900, ECON 1950

ECON 3550
International Economics *3 credits (3,0,0)*
Students analyze the movement of capital, goods, and services across international boundaries and assess their financial impact. With advances in transportation and communication, greater outsourcing, and increased globalization, trade, and foreign direct investment, the corresponding capital movements are becoming much more important to the global economy. Topics include the theories of absolute and comparative advantage; modern theories of trade, including factor-proportions; tariff and non-tariff barriers; current and capital accounts; exchange rate determination; balance of payments and exchange rate policy; evolution of the international monetary system; and trade and economic development.
Prerequisite: ECON 1900, ECON 1950

ECON 3600
Labour Economics ***3 credits (3,0,0)***
Students analyze how individuals, families, firms, and governments operate within a contemporary labour market, and the impact of labour market institutions and government policy. Topics include an overview of the labour market; labour demand and elasticities; the effect of quasi-fixed labour costs on demand; labour supply and the decision to work; labour supply and household production; compensating wage differentials and labour markets; education and training; worker mobility; pay and productivity; gender, race, and inequality in earnings; and unions and the labour market.
Prerequisite: ECON 1900

ECON 3610
The Economics of Gender ***3 credits (3,0,0)***
Students use economic theory and analysis in an attempt to explain why gender differences lead to different outcomes in education, career choices, family roles, and earnings. A comparison is made of the economic status of women relative to men throughout the world, with special emphasis on similarities and differences between Canada and other economically advanced nations. Topics include marriage and family; the economics of fertility; women at work; women's earnings, occupation, and education; the gender gap in earnings; women's employment and earnings; family policy; and women in developing countries.
Prerequisite: ECON 1900

ECON 3650
Government and Business ***3 credits (3,0,0)***
Students utilize neoclassical and institutional economic theory to examine government intervention in the economy. Topics include competition and economic efficiency; market failure; institutional theory; private sector governance structures; the role of the state; public sector governance structures, including competition policy, price and entry regulation, prevention of anti-competitive practices, and public enterprise and ownership; and government failure.
Prerequisite: ECON 1900, ECON 1950 or POLI 1110
Exclusion: POLI 3650

ECON 3670
Economic Analysis of Law ***3 credits (3,0,0)***
Students explore and analyze legal issues from an economic perspective; economists focus primarily on whether particular legal doctrines, concepts, and processes are efficient. Topics include an introduction to the law, legal institutions, and procedures, as well as economic theory relating to property law, contracts, torts, criminal law, and general legal processes.
Prerequisite: ECON 1900

ECON 3690
Community Economic Development ***3 credits (3,0,0)***
Students investigate methods for effectively using local community resources to enhance economic opportunities while improving social conditions in a sustainable way. Topics include the theoretical basis for community economic development (CED), analytical techniques used to assess communities, environmental sustainability objectives for community development, competing strategies of community development, financing development strategies, and CED activity in Canada and other nations.
Prerequisite: ECON 1900, ECON 1950

ECON 3700
Benefit-Cost Analysis and the Economics of Project Evaluation
3 credits (3,0,0)
Students examine projects that are commonly evaluated using benefit-cost analysis, and the appropriate methods for determining their cost effectiveness. Topics include project evaluation techniques; measuring welfare change; correcting for market distortions using shadow wages and prices; finding the appropriate discount rate; making valid valuations that incorporate inflation and appropriate planning horizon, scrap, and spillover and secondary effects; public enterprise pricing rules; valuing intangibles; and incorporating risk and uncertainty. Case studies of projects are analyzed from a variety of areas, such as natural resources, the environment, human resources, public service, and transportation.
Prerequisite: ECON 1900

ECON 3710
Environmental Economics ***3 credits (3,0,0)***
Students apply the tools of microeconomic analysis to environmental issues. Topics include property rights and efficient resource use, market failure, the over-utilization of common pool resources, the Coase Theorem, non-market valuation techniques, government policies designed to cost-effectively control pollution, and real-world strategies for controlling pollution.
Prerequisite: ECON 1900

ECON 3730
Forestry Economics ***3 credits (3,0,0)***
Students are introduced to the concepts and analytical techniques used in forestry economics and their application to forest management, conservation, and policy analysis. Topics include techniques for analyzing forestry investments; timber demand, supply, and pricing; valuation of non-marketed goods and services, such as recreation and wildlife habitat; land allocation and multiple use; forest management issues, such as planting, thinning, and optimal age of crop rotation; and regulatory issues, including allowable annual cut regulations, property rights, tenure, and taxes.
Prerequisite: ECON 1900

ECON 3740
Land Use Economics ***3 credits (3,0,0)***
Students focus on land use issues with particular emphasis on government policies relating to the preservation and conservation of agricultural lands. Topics include rent theory; welfare measurement; property rights and externalities; project evaluation using cost-benefit and multiple accounts analysis; the economics of soil conservation; efficiency and equity in land use planning, including zoning changes; government land preservation and conservation policies, and agricultural subsidies; water use in agriculture; forest management; and multiple uses of public lands.
Prerequisite: ECON 1900

ECON 3840
Economic Analysis of Health ***3 credits (3,0,0)***
Students apply microeconomic tools to an analysis of the health care system, while being introduced to the major issues in health economics and the ongoing debate over health care policy. Topics include the economic determinants of health, the market for medical care, the market for health insurance, the role of the government in health care, and health care reform.
Prerequisite: ECON 1900

ECON 3900
Intermediate Micrcoeconomics 2 ***3 credits (3,0,0)***
Students continue to study intermediate topics in partial and general equilibrium analysis. Topics include consumer choice under different scenarios, factor markets, game theory, imperfect competition, general equilibrium analysis and welfare economics, public goods, and externalities.
Prerequisite: ECON 2900, MATH 1170 or equivalent

ECON 3950
Intermediate Macroeconomics 2 ***3 credits (3,0,0)***
Students continue to study short-run macroeconomic theory and its applications to contemporary policy issues. Topics include an overview of macroeconomics; macroeconomic data; the open economy; economic fluctuations; aggregate demand, including investment savings-liquidity preference money supply (IS-LM) curves; aggregate supply, including the Phillips curve; economic stabilization and the effectiveness of fiscal and monetary policy; and money supply and demand.
Prerequisite: ECON 2950

ECON 3990
Special Topics in Economics ***3/6 credits***
The subject matter varies from semester to semester depending upon the interests of faculty and students. Courses are taught by visiting professors to instill their unique perspectives or by regular faculty to address emerging topics in a discipline, share research or teaching interests, or test potential new courses. The added variety in the curriculum greatly enhances the student learning experience.
Note: No more than six credits of special topics courses may be taken for credit towards the Bachelor of Business Administration degree.
Prerequisite: Permission of the program advisor

ECON 4100
International Financial Markets ***3 credits (3,0,0)***
Students examine international financial markets and institutions and their critical role in the global economy. Topics include the elements that constitute a global financial institution; types of financial institutions and markets; global market structure differences; recent market failures, their causes, and solutions; and global financial regulation and reform.
Prerequisite: ECON 3100 or FNCE 3150

ECON 4320
Econometrics ***3 credits (3,0,0)***
Students are introduced to econometric models and the application of classical regression techniques to estimate socio-economic relationships. Topics include an introduction to econometrics; simple linear regression; interval estimation and hypothesis testing; predictions, goodness of fit, and modeling issues; multiple regression; non-linear relationships; heteroscedasticity; dynamic models,

autocorrelation, and forecasting; simultaneous equations; and qualitative dependent variables. General econometric computer software is used to reinforce course concepts.
Prerequisite: ECON 2330 or ECON 3330 or equivalent

ECON 4330
Forecasting in Business and Economics *3 credits (3,0,0)*
Students apply a variety of forecasting methods to solve problems in business and economics. Topics include qualitative forecasting methods; the forecasting process, data considerations, and model selection; moving averages and exponential smoothing; multiple regression and time series decomposition; Box-Jenkins methodology to fit autoregressive conditional heteroscedasticity (ARCH); time-varying volatility and autoregressive integrated moving average (ARIMA) and vector autoregressive models; combining forecasting results; and implementing forecasting.
Prerequisite: ECON 2330 or ECON 3330 or equivalent

ECON 4560
International Macroeconomics and Finance
3 credits (3,0,0)
Students explore the determination of exchange rates in an open economy and policies that governments may adopt to influence their movement. Topics include balance of payments; foreign exchange markets; interaction of the money, interest rates and exchange rates (previous phrase is unclear); exchange rates in the long run, including purchasing power and interest rate parity; exchange rates in the short run; fixed exchange rates and foreign exchange intervention; history of the international monetary system; macroeconomic policy under floating exchange rates; and performance of global capital markets and policy issues.
Prerequisite: ECON 2330 or ECON 3330 or equivalent; ECON 2950

ECON 4660
Industrial Organization *3 credits (3,0,0)*
This course is an examination of the performance and operation of imperfectly competitive markets, as well as the behavior of firms in these markets. Students attempt to answer big questions, such as why are firms and markets organized the way they are; how does the behavior of firms affect the structure and performance of markets; and how does the organization of markets determine how firms behave and how markets perform. Topics include theories of the firm; market structure models; strategic interaction among firms; business practices such as mergers and acquisitions, price discrimination, advertising, innovation, vertical restraints, and cartels; and new developments in industrial organization, including network issues and auction markets.
Prerequisite: ECON 2900 or ECON 3040

ECON 4720
Sustainable Economic Development *3 credits (3,0,0)*
Students examine theories and issues, internal and external challenges, and alternative policy options relating to sustainable economic development. Topics include a comparative analysis of the leading theories of economic growth, development, and sustainability; lack of economic growth, poverty, and income distribution; consequences of population growth and technological change; employment and migration, human capital, agriculture, and rural development; international trade and commercial policy, foreign investment, and aid; and global integration, economic transition, and environmental degradation.
Prerequisite: ECON 2950

ECON 4960
Directed Studies in Economics
3/6 credits (0,3,0) or (0,3,0)(0,3,0)
Individuals or groups of students engage in independent study, research, or practice related to a topic in economics under faculty supervision. The supervisor(s) determines the appropriate curriculum, evaluation methods, and credit assignment in consultation with students and subject to the approval of the department chairperson(s) and dean.
Prerequisite: Permission of the program advisor

ECON 4990
Special Topics in Economics *3/6 credits*
The subject matter varies from semester to semester depending upon the interests of faculty and students. Courses are taught by visiting professors to instill their unique perspectives or by regular faculty to address emerging topics in a discipline, share research or teaching interests, or test potential new courses. The added variety in the curriculum greatly enhances the student learning experience.
Note: No more than 6 credits of special topics courses may be taken for credit towards the Bachelor of Business Administration degree.
Prerequisite: Permission of the program advisor

EDCO 3100
Communications 1 *2 credits (2,0,0)*
This course is designed to provide teacher candidates with an opportunity to develop skills for effective communication with students, parents, colleagues, and other school-related persons. This course includes instructional time at McQueen Lake, the environmental education centre operated by the Kamloops/Thompson School district. Teacher candidates learn effective communication skills, including an introduction to conflict resolution and teaching social skills, through role-playing and discussion. Science exploration (such as Project Wild group activities) and physical activity (such as nature walks) are integral parts of learning about effective communication.
Prerequisite: Admission to the TRU Bachelor of Education program.

EDCO 4200
Communications 2 *1 credit (1,0,0)*
The course provides an overview of the historical background of First Nations education in Canada and British Columbia. Teacher candidates examine various aspects of First Nations content in current curriculum and appropriate roles for non-First Nations teachers in the classroom and curriculum development projects. The course emphasizes effective teaching and counselling practices for First Nations children, including developing relationships with parents and extended family members. Presentations and discussion are based on articles and videos provided by faculty, presentations from other First Nations educators, First Nations community members, and student research and experience.
Prrequisite: Successful completion of all courses and practicum to date

EDCP 1020
Occupational Work Experience *1 credit (1,0,0)*
This one-credit career exploration course is designed to enhance students' understanding of their personal career goals and develop a plan for achieving them. In the classroom and through work experience, students investigate the essential employability skills required for a career and the relationship of those skills to the educational choices they have made. An integration of course work, occupational history, work experience, and employability skills is emphasized.Note: This course is part of the Foundations for Success program.
Prerequisite: 73% on the combined English 12 and Government exam (within the last 5 years) or Level 4 on the composition section of the Language Proficiency Index (within the last 2 years) or ENGL 0600 or ESAL 420 with a C+ minimum and ESAL 580 with a C+ minumum

EDCP 2030
Career Success Strategies *1 credit (1,0,0)*
This one-credit course provides a detailed introduction to career success strategies and provides opportunities for students to apply these to their individual career development planning. Note: This course is part of the Foundations for Success program.
Prerequisite: 73% on the combined English 12 and Government exam (within the last 5 years) or Level 4 on the composition section of the Language Proficiency Index (within the last 2 years) or ENGL 0600 or ESAL 420 with a C+ minimum and ESAL 580 with a C+ minimum

EDCP 3030
Graduate Job Search Skills *1 credit (1,0,0)*
This one credit course is designed to support and provide graduating students a broad understanding of Employability Skills and Career Search Strategies. Students are instructed in the fundamentals of developing and utilizing the tools required to make the transition from an academic environment to the current workforce. Note: This course is part of Foundations for Success.
Prerequisite: 3rd year standing or approval from the instructor

EDCS 1540
Interpersonal Communications and Interpersonal Relationships
3 credits (3,0,0)
Self awareness is a foundation for the development of competent human service workers. By focussing on personal development this course offers an opportunity to learn and use interpersonal communication skills effectively. Students will also be introduced to knowledge and skills that increase effectiveness in helping relationships with client populations. Topics such as group dynamics, assertive behaviour and conflict management will be covered.
Prerequisite: Admission to the Education Assistant and Community Support program

EDCS 1580
Intro to Human Service Professional Practice
3 credits (3,0,0)
Students are introduced to professional human service practice. Topics include professional values, ethics, conduct, and strategies for self care. Specific to the field of education assistant and community support, students learn about their professional roles in school and community environments.
Prerequisite: Admission to the Education Assistant and Community Support program

EDCS 1590
Practical Skills of Community and School Support Work

3 credits (3,0,2)
Education Assistant and Community Support students are introduced to the practical aspects of supporting individuals with disabilities in classroom, community, and home settings. Students participate in three learning modules during the semester that examine a variety of health care, educational, and social supports, and which vary according to local need. This course is designed to provide instruction for students working in small community and rural settings. Students must complete two of the three modules in Augmentative Communication 1 and Basic Health Care 1.
Prerequisite: Admission to the Education Assistant and Community Support program

EDCS 1640
Foundations of Education Assistant and Community Support Work
3 credits (3,0,0)
Students are introduced to the theory and perspectives related to supporting individuals with exceptionalities and their families. Students learn about historical movements, inclusive practices, and strategies for teaching. Specific exceptionalities, their characteristics, and etiology are also discussed.
Prerequisite: Admission to the Education Assistant and Community Support program

EDCS 1650
Understanding Behaviour ***3 credits (3,0,0)***
This course introduces students to nonaversive intervention strategies for dealing with problem behaviour. Students will learn the role of team approach, individual program planning and ethics in the development of a behaviour support plan. An educative approach to behaviour change is emphasized.

EDCS 1660
Health Care Principles ***3 credits (3,0,0)***
This course overviews the theory and application of preventive health care planning and personal care principles. Areas of study include body mechanics, basic anatomy and physiology of body systems, nutrition, recognition of illness, referral procedures to health care services and issues related to basic pharmacology. Ethical and legal concepts of human service work in relation to health care practice will be discussed.

EDCS 1680
Field Work ***4 credits***
This course requires students to be in the field two days per week and to attend weekly two hour practicum seminars. At this time such topics as team work, time management, advocacy, sexuality and family support for individuals with challenges will be discussed, in addition to practicum related issues/concerns. There will be a two week block fieldwork experience at the end of this course. A student must receive a passing grade in EDCS 1580 or HUMS 1580 in order to move on to EDCS 1680.
Prerequisite: HUMS 1580 or EDCS 1580

EDCS 1750
Alternative and Augmentative Communication
3 credits (3,0,0)
This course introduces students to a range of communication strategies used in working with children and adults who have limited or not verbal skills. Technological supports for communication will be introduced.

EDEF 3100
History of Education ***3 credits (3,0,0)***
This foundations course focuses on the complex dynamics between school and society. Teacher candidates examine the relationship between schools and society over time, gaining insight into individuals and groups that determine what kinds of schools should exist and what should happen to them. Issues of gender, race, sexuality, ethnicity, religion, social class, and location inform and enlighten investigations. Readings; lectures; presentations; discussion; group work; review of television, film, and video materials; and guest speakers inform the learning.
Prerequisite: Admission to TRU Bachelor of Education program

EDEF 3200
Theoretical Frameworks of Education ***3 credits (3,0,0)***
This foundations course further develops the concepts explored in EDEF 3100: History of Education, encouraging teacher candidates to examine their educational beliefs and practices while deepening their insights and understanding of the social context of school. Teacher candidates learn the language and concepts of education, develop the ability to reflect critically on its central ideas and alternate frameworks, and refine their communication as professionals. Discussions of contemporary and educational issues include topics such as what it means to be a professional and schooling in the 21st century. Readings; lectures; presentations; discussion; group work; review of television, film, and video materials; and guest speakers inform the learning.
Prerequisite: Successful completion of Year 1, Term 1

EDEF 4150
Social Foundation of Education: Gender and Education
3 credits (3,0,0)
This course is an exploration of the rethinking of educational practice and research that has been prompted by feminist theories, with a focus on schooling. Participants examine the gendered experiences of people in educational organizations as students, teachers, and administrators, and discuss differences by age, race and ethnicity, social class, religion, and sexual orientation.
Prerequisite: 3rd- or 4th-year university standing and experience teaching children, or the permission of the instructor and the Bachelor of Education program coordinator

EDEF 4160
Education in Rural or Small Schools and Communities in British Columbia ***3 credits (3,0,0)***
Rural and small schools are a dominant feature in British Columbia's educational history, but they have generally been lost or forgotten in today's educational vision. Fifteen percent of the province's school children attend rural or small schools; many of these schools are so remote and isolated that there is no road access, and some of these schools have fewer than 10 students spread across many grades. This course examines rural and small schools in terms of the communities they serve, with particular attention to the teacher's role in the school and community.
Prerequisite: Successful completion of Year 1 in the Bachelor of Education program

EDEF 4200
School Organization ***1 credit (1,0,0)***
Teacher candidates examine a number of organizations that affect their working lives as teachers and develop a perspective about issues in British Columbia education that results in the expression of their own personal philosophy of teaching. Class sessions consist of presentations and lectures followed by a discussion or question and response period. Presentations are made by representatives from a number of stakeholder groups, including the Kamloops Thompson Teachers's Association, School District #73 (Kamloops/Thompson) senior administration, and the Teacher Regulation Branch for the British Columbia Ministry of Education. Teacher candidates are guided in the preparation of resumes and interview techniques.
Prerequisite: Successful completion of all Year 1 courses and Successful completion of all Year 2, Term 1 courses and EDPR 4200

EDFN 4200
Teaching First Nations Children ***2 credits (2,0,0)***
The course begins with an overview of the historical background of First Nations education in Canada and British Columbia. Teacher candidates examine various aspects of First Nations content in current curriculum and appropriate roles for non-First Nations teachers in curriculum development projects. The majority of the course emphasizes effective teaching and counseling practices for First Nations children, including developing relationships with parents and extended family members. Presentations and discussions are based on articles and videos provided by faculty, presentations from other First Nations educators, and student research and experience.
Prerequisite: Successful completion of all courses and practicum to date.

EDHC 4100
Health and Career Education ***2 credits (2,0,0)***
This course enables participants to help elementary students acquire the knowledge, skills, and attitudes that help them to make good personal decisions and manage their lives more effectively. Participants focus on the emotional and social development of students from Kindergarten to Grade 7.
Prerequisite: Successful completion of Year 1

EDHR 1210
Human Resource Management & Performance
3 credits (42 hours)
In today's demanding business climate, managers are having to utilize their human resources more effectively to gain competitive advant. This unit examines role of HRM in organizations, and the links between HRM and organizational performance. It is recommended as an intro to all other units in the HRM programs.

EDIE 3100
Child Development and Teaching ***3 credits (3,0,0)***
This course presents an overview of child development as it relates to teaching. The course begins with a survey of the main models and theories of child development and considers relevant implications for teaching. Teacher candidates review research that examines child development and teaching, especially research that reviews effective teaching practice with children who are at different developmental levels, and children from diverse cultural backgrounds.
Prerequisite: Admission to the Bachelor of Education program

EDIE 4100

Special Education ***3 credits (3,0,0)***
This course introduces teacher candidates to the area of teaching children with special needs within the regular classroom. The course begins with a consideration of the historical perspective on teaching children with special needs and includes information on relevant provincial legislation. Course topics include designing individual education plans and effective methods for teaching children with special needs in school settings.
Prerequisite: Successful completion of Year 1

EDIE 4150
Special Education: Specific Learning Disabilities
3 credits (3,0,0)
This course introduces teacher candidates to the controversial field of specific learning disabilities. The course begins with a historical perspective on learning disabilities and an overview of relevant theoretical frameworks and models of learning disabilities. Participants examine current legislation in British Columbia and its relationship to the school district, school, and classroom levels. Two key topics include (1) screening, assessment, and identification practices, and (2) intervention strategies and how they affect classroom practice.
Prerequisite: Successful completion of all courses to date

EDIT 4150
Information Technology across the Curriculum
3 credits (3,0,0)
This course provides teachers with information about how to use 21st century technology across the curriculum. The skillful integration of 21st century technologies can enable more equitable learning opportunities for all. Digital technologies, access to information, globalization, and equity are changing the world. Participants learn how to critically evaluate the pedagogical benefits of various educational technology tools in the classroom setting.
Prerequisite: 3rd or 4th year university students who have experience teaching children or the permission of the instructor and Bachelor of Education program coordinator

EDIT 4700
Introduction to Distributed Learning ***3 credits (3,0,0)***
Participants explore the realm of distributed learning through discussion about learning theory and pedagogy in online environments, consider and apply technological tools to enhance the learning environment, and examine and design assessment strategies. This online seminar models the development of learning communities. Participants are directed to readings about current issues and discuss them online. This course is informally structured, and participants are encouraged to explore areas of their own interest that apply to their practice.
Prerequisite: Bachelor's degree and/or special permission from the Faculty of Human, Social and Educational Development.

EDLL 3100
Language and Literacy 1 ***3 credits (3,0,0)***
This course introduces key concepts related to language and literacy learning and teaching in the elementary language arts classroom and across the curriculum. Students are provided an overview of the knowledge required to make sound curriculum decisions to implement an effective language and literacy program. This course is the first component of two interdependent courses that focus on methods to teach language and literacy in elementary school, with an emphasis on the reading process, the skills central to reading acquisition and reading achievement, individual differences in reading development, and effective reading instruction methods. The course is linked with the initial school practicum.
Prerequisite: Admission to the Bachelor of Education program

EDLL 3200
Language and Literacy 2 ***3 credits (3,0,0)***
This course continues the study of the elementary language arts curriculum and teaches the theory and practical knowledge required to implement a language arts program. The emphasis is on writing in relationship to the other language modes and across the curriculum. Students examine the skills children in elementary school need to be successful writers, effective ways of promoting the development of these skills, and effective writing assessment techniques. Students are expected to engage in all aspects of the writing process.
Prerequisite: Successful completion of Year 1, Term 1.

EDLL 3900
Total Physical Response: Methods for Teaching Secwepmectsin
3 credits (3,0,0)
The Total Physical Response (TPR) method is introduced as a method for teaching aboriginal languages. Research that analyzes the TPR method is studied in the context of current language theory in second language acquisition. Students have the opportunity to practice the TPR approach, learning instructional strategies and familiarizing themselves with learning resources. Effective classroom management, and evaluation and assessment are also examined.

EDLL 3910
Introduction to the Secwepemc Language 1
3 credits (3,0,0)
The purpose of this course is to introduce students to the Secwepemc language and to help them develop vocabulary, grammar, and oral sentence construction. The focus is on oral language production and comprehension. This course is appropriate for individuals who have little or no background in the Secwepemc language.

EDLL 3920
Innovative Language Teaching Practices for Aboriginal Language Classrooms ***3 credits (3,0,0)***
This course is designed for Aboriginal language teachers looking for ways to implement new teaching approaches in their classrooms. This course provides a brief survey of innovative language teaching methods and approaches that have been successfully used in a variety of Aboriginal language programs.

EDLL 4150
Children's Literature ***3 credits (3,0,0)***
Students are introduced to the sources of children's literature and its major genres, including traditional literature, fantasy, realistic and historical fiction, poetry, and information books. This course is geared towards teaching children; children's reading needs and interests, and current issues and trends are examined. Teacher candidates explore strategies for involving children with literature across the elementary curriculum.
Prerequisite: 3rd or 4th year university students who have experience teaching children or the permission of the instructor and Bachelor of Education program coordinator

EDLL 4160
Supporting Learners with Language and Literacy Difficulties
3 credits (3,0,0)
Teacher candidates examine individualized assessment, diagnosis, and instructional planning for students with literacy difficulties.
Prerequisite: READ 3100; READ 3200; ENED 3200

EDMA 3100
Mathematics 1 ***3 credits (3,0,0)***
Teacher candidates develop a basic understanding of teaching mathematics in elementary schools. The course provides methods in teaching problem solving, numeracy, the use of manipulatives, early number sense, patterns, assessment, and operations with numbers. Participants also examine the use of literature and games in a math program and undergo a comprehensive study of the British Columbia mathematics curriculum. A variety of resources are provided to teacher candidates to experience the methods used to provide a rich elementary mathematics program.
Prerequisite: Admission to the Bachelor of Education program

EDMA 3200
Mathematics 2 ***3 credits (3,0,0)***
This course builds on EDMA 3100: Mathematics I. Students are introduced to topics that include place value, geometric thinking, spatial sense, measurement, statistics and probability, and assessment. The course is linked to the practicum (EDPR 3200) that teacher candidates take in the same semester to allow them to have an opportunity to apply the methods they have studied.
Prerequisite: Successful completion of Year 1, Term 1

EDMT 1340
Organizational Design and Training ***3 credits (42 hours)***
The term, reengineering - the name given to the mngt practice of fundamentally changing the organization & mngt of work - has attracted attention of many mgrs as a way of improving organizational performance. This unit examines how shifts towards horizontal work process from vertical impact on training & employee development

EDPE 3100
Physical Education Methods ***3 credits (1,0,2)***
The aim of this course is to provide a foundation of principles, learning opportunities and teaching, and critical thinking strategies in physical education that can be applied to whole classrooms of elementary students. Emphasis is on applying the various concepts of movement (games, dance, gymnastics, alternate-environment activities, and individual and dual activities) when planning to teach physical education. Teacher candidates participate in classroom, gymnasium, and outdoor activities that provide tangible links with scheduled practica and encourage putting theory into practice.
Prerequisite: Admission to the TRU Bachelor of Education program

EDPE 4150
Elementary Physical Education: Instruction
3 credits (1,0,2)
The purpose of this course is to provide an opportunity for teacher candidates, who have completed EDPE 3100, to extend the skills and knowledge gained through previous course work and during practica, and to further develop their ability to teach elementary physical education. Opportunities are also provided for teacher candidates to reinforce previous learning and to develop greater skill in teaching activities from the five movement categories.
Prerequisite: Knowledge of teaching methodology in Physical Education; basic knowledge of physical education, physical growth and development. 3rd or 4th year university students who have experience teaching children, or the permission of the instructor and Program Coordinator.

EDPR 1800
First Nations Language Teaching Practicum 1
1 credit (32 Hours)
This course provides students with an orientation to public and Band-operated schools, and the opportunity to link the theory-based courses of their first year Developmental Standard Term Certificate experience with language teaching experiences in the classroom. This course is the first of four organized language teaching practicum experiences.
Prerequisite: Completion of Semester 1, Year 1 of the Developmental Standard Term Certificate program and enrollment in Semester 2, Year 1 of the program

EDPR 2800
First Nations Lange Teaching Practicum 2
2 credits (48 hours)
This course provides students with expanded opportunities to link the theory-based courses of their first and second years with further teaching experiences in the classroom. This course is the second of four organized language teaching practicum experiences.
Prerequisite: Successful completion of Year 2, Semester 1 of the Developmental Standard Term Certificate program and EDPR 1800

EDPR 3100
Practicum 1 ***1 credit (24 hours)***
This is the first of four organized school practica experiences, consisting of seven full days in schools within the Kamloops area. The purpose of this course is to provide teacher candidates with an orientation to elementary schools and the opportunity to link their on-campus courses with teaching experiences in the classroom. Teacher candidates are placed in pairs in classrooms where they have the opportunity to observe classroom procedures and teach four language arts lessons. Teacher candidates also complete journal reflections and have the opportunity to observe in a variety of school settings. Faculty mentors from the university support each teacher candidate throughout the practicum.
Prerequisite: Admission to the Bachelor of Education program. A criminal Record check is required for SD#73 (Kamloops/Thompson School District).

EDPR 3200
Practicum 2 ***2 credits (60 hours)***
This two-week (10 school days) practicum occurs in the final two weeks of Year 1, Term 2. Teacher candidates are placed in pairs in a school within the Kamloops area. The teaching and learning foci for this practicum are mathematics, science, and social studies, although not exclusively. Teacher candidates complete journal reflections and have the opportunity to observe in a variety of classroom settings. Following the practicum, teacher candidates attend two call-back days on campus, which include an opportunity to debrief the practicum, hear from guest presenters, and receive important information for the next practicum. Faculty mentors from the university support each teacher candidate throughout the practicum.
Prerequisite: Successful completion of Year 1, Term 1

EDPR 3800
First Nations Language Teaching Practicum 3
2 credits (60 hours)
This course provides students with opportunities to observe classroom and school start-up procedures at the beginning of the school year. This course is the third of four organized language teaching practicum experiences.
Prerequisite: Successful completion of Year 2 of the Developmental Standard Term Certificate Program EDPR 2800

EDPR 3900
First Nations Language Teaching Practicum 4
3 credits (100 hours)
This course provides students with extended opportunities to expand, refine, and confirm their First Nations language teaching abilities. This course is the final and most important organized language teaching practicum experience.
Prerequisite: Successful completion of Year 3, Semester 1 of the Developmental Standard Term Certificate program EDPR 3800

EDPR 4100
Practicum 3 ***3 credits (90 hours)***
At the beginning of Year 2, Term 3, teacher candidates undertake this three-week practicum, which serves as an orientation for teacher candidates and teacher mentors. Teacher candidates and mentors are paired for the 10-week extended EDPR 4200: Practicum 4 in Year 2, Term 4. Teacher candidates are involved in observational and instructional activities related to the September start-up of classrooms in elementary schools throughout interior school districts, including SD 27, SD 53, SD 58, SD 73, SD 74, and SD 83.
Prerequisite: Successful completion of Year 1

EDPR 4200
Practicum 4 ***5 credits (300 hours)***
During Term 2 of Year 2, teacher candidates undertake a 10-week (300 hour) practicum that serves as the major school experience. Teacher candidates normally return to the same placement as they had in EDPR 4100: Practicum 3. Teacher candidates gradually increase their teaching load and sustain a minimum 80% load for five consecutive weeks. Upon successful completion, teacher candidates are able to apply for teacher certification in British Columbia.
Prerequisite: Successful completion of all Year 1 and Year 2, Term 1

EDPR 4250
Education Practicum ***(25 hours)***
Students participate in a teaching practicum designed to meet the British Columbia College of Teachers (BCCT) requirements for certification to teach in British Columbia. (Specific practicum length is determined by BCCT).
Prerequisite: Qualifications required by BCCT permission of the Bachelor of Education Program Chair

EDPY 4200
Assistive Technologies in Special Education
3 credits (3,0,0)
Students focus on the role that technology can play in compensating for, or remediating, learning challenges associated with cognitive impairments, communication disorders, and physical disabilities.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Department Chair.

EDPY 4210
Assessment of Learning Difficulties ***3 credits (3,0,0)***
Students examine the principles and practices of assessing children with learning difficulties. The emphases is on the assessment of literacy, mathematics, social and emotional behavior, and ability. Course discussions consider relevant interventions; however, the focus is on assessment. A variety of forms of assessment are considered, including standardized testing, criterion-referenced assessment, portfolio assessment, and dynamic assessment.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission from the Department Chair

EDPY 4220
Field Experience in Special Education ***3 credits (3,0,0)***
Students gain experience in specific special education settings via rotation among district programs (District Developmental and Behaviour Programs, Chris Rose Centre for Autism, Child Development Centre), district specialists (a teacher of deaf and hard of hearing students, a teacher of the visually impaired students), and resource and learning assistance programs.
Prerequisite: Completion of a Certificate in Special Education

EDPY 4230
Selected Topics in Special Education ***3 credits (3,0,0)***
This course is offered during the spring or summer session, and the topic varies depending on the expertise of the faculty available to teach the course.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission from the Department Chair.

EDPY 4300
Adapting and Modifying Programs ***3 credits (3,0,0)***
This course introduces students to strategies for adapting and modifying educational programs for children with special needs. Topics include determining if children need

adapted or modified programs, and generating and revising individual education programs.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Department Chair

EDPY 4310
Learning Disabilities *3 credits (3,0,0)*
Students are provided an overview of teaching children with learning disabilities. Students experience methods and programs for teaching children with learning disabilities and learn about the legalities of special education.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Department Chair

EDPY 4320
Behaviour Management for Children in Regular Classrooms *3 credits (3,0,0)*
The purpose of this course is to introduce students to instructional and environmental strategies for teaching children with behaviour problems in regular classrooms. Topics include methods to change behaviour in regular classroom settings, interviewing students, and working with families.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Department Chair

EDPY 4340
Differentiation in Mathematics *3 credits (3,0,0)*
Students focus on teaching children with disabilities in mathematics. Course content includes assessing children with disabilities in mathematics, designing remedial mathematics programs, and reviewing research on effective teaching methods and programs.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Department Chair

EDPY 4360
Programming for Children with Behaviour Disorders *3 credits (3,0,0)*
This special education course introduces students to the area of programming for children and adolescents with behaviour disorders. Course topics include designing individual education plans and using effective methods for teaching children with behaviour disorders in school settings, especially resource rooms.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Department Chair

EDPY 4380
Methodologies and Interventions for Beginning Reading and Writing *3 credits (3,0,0)*
The primary objective of this course is to prepare teachers to design and implement programs and interventions to teach children who are having difficulty with beginning reading and writing.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Department Chair

EDPY 4390
Fluency and Reading Comprehension *3 credits (3,0,0)*
The primary objective of the course is to prepare teachers to design and implement programs to teach intermediate-aged children (Grades 4 to 7) who are having difficulty with fluency and reading comprehension. Students complete informal reading assessments in order to develop appropriate programming.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Inclusive & Special Education Program Coordinator.

EDPY 4400
Methodologies and Interventions for Writing *3 credits (3,0,0)*
Teachers are prepared to design and implement programs to teach children who are having difficulty with all aspects of writing including output, mechanics, and meaning.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Inclusive & Special Education Program Coordinator.

EDPY 4410
Fetal Alcohol Spectrum Disorder *1 credit (1,0,0)*
Students are provided with an overview of teaching children with fetal alcohol spectrum disorder (FASD). Participants become familiar with methods and programs for teaching children with FASD and learn about federal and provincial initiatives.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Special Education program coordinator.

EDPY 4420
Attention Deficit Hyperactivity Disorder *1 credit (1,0,0)*
Students are provided with an overview of teaching children with Attention Deficit Hyperactivity Disorder (ADHD). Participants learn about assessment, teaching methods, and programs for teaching children with ADHD.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Special Education program coordinator.

EDPY 4430
Structuring School Discipline *1 credit (1,0,0)*
This course is based on Control Theory and the Restitution program, focusing on developing a school discipline program which utilizes internal motivation and belief-based self-discipline. Using the Restitution program, participants learn to create school conditions which support student problem solving and self-regulation.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Special Education program coordinator.

EDPY 4440
Autism Spectrum Disorder *1 credit (1,0,0)*
Students examine the principles and practices of working with children with Autism Spectrum Disorder (ASD). The key components of the course include early signs and diagnosis; characteristics of persons living with ASD, including myths about autism; discussions of the various treatment approaches and methods; and best practices for teachers working with children with ASD in their classrooms.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Special Education program coordinator.

EDPY 4450
Leadership in Special Education *1 credit (1,0,0)*
This course is designed for individuals who are currently employed as Learning Assistance or Resource Room teachers. Students learn aspects of program and team management.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Inclusive and Special Education program coordinator

EDPY 4460
Functional Behaviour Assessment *1 credit (1,0,0)*
This course provides training in the Functional Behaviour Assessment (FBA) process. Participants learn the theory of multi-modal behaviour analysis and the components necessary to conduct a complete FBA.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Inclusive & Special Education Program Coordinator.

EDPY 4470
Universal Design for Differentiated Instruction *3 credits (3,0,0)*
This course introduces students to principles of universal design and differentiated instruction, as well as strategies for adjusting instruction to meet diverse learning needs. Participants learn the fundamentals of developing inclusive and individual instructional plans and monitoring procedures. Topics include adapting and modifying educational programs for children with special needs, response to instruction, and informal assessment.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Inclusive & Special Education Program Coordinator.

EDPY 4480
Learning Disabilities in the General Education Classroom *3 credits (3,0,0)*
Students are provided with an overview of the field of learning disabilities and research-based instruction for the general education classroom. Participants develop skills in informal assessment and planning for children with learning disabilities.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Inclusive & Special Education Program Coordinator.

EDPY 4500
Directed Studies - Inclusive and Special Education *3 credits (3,0,0)*
Students are provided an opportunity for self-directed, mentored study in an area of special education. Students complete an in-depth examination of a topic or issue of professional interest.
Prerequisite: A Bachelor of Education degree, a teaching certificate, or permission of the Inclusive and Special Education program coordinator

EDPY 4800
Introduction to Special Education and Children with Learning Difficulties ***3 credits (3,0,0)***
This course is designed to introduce teachers to the field of special education and is intended for teachers who will work with children with special learning needs in special education settings. Students will become aware of informal assessment and data collection methods, plus Level "A" assessment tools, in order to develop basic remedial program plans.
Prerequisite: Admission into the Special Education Diploma program, or permission of the Inclusive & Special Education Program Coordinator.

EDPY 4810
Advanced Assessment of Learning Difficulties
3 credits (3,0,0)
Students are prepared to administer and interpret assessments in educational settings. Students completing this course, and EDPY 4830: Assessment and Learning Practicum, acquire the assessment skills necessary for working within the special education field, such as in a learning assistance centre.
Prerequisite: Admission into the Special Education Diploma program or permission of the Inclusive and Special Education program coordinator

EDPY 4820
Advanced Adaptations and Modifications
3 credits (3,0,0)
This course provides specialist teachers with an advanced working knowledge of adaptations and modifications as they pertain to educational programs for students with special needs. Topics include current practices in adapting and modifying processes to determine changes necessary to a student's program and types of individualized education plans.
Prerequisite: permission of the Inclusive and Special Education program coordinator

EDPY 4830
Assessment and Learning Practicum ***3 credits (3,0,0)***
This course is a continuation of EDPY 4810: Advanced Assessment of Learning Difficulties. Students apply their skills and knowledge while conducting an assessment on a school-aged child. Participants are expected to assess a child, interpret results with guidance, prepare a report, and share the report with parents and a school-based team. Students are expected to select an appropriate intervention and work with the child for a minimum of four sessions.
Prerequisite: permission of the Inclusive and Special Education program coordinator

EDPY 4840
Programming for Children with Behaviour Disorders
3 credits (3,0,0)
This special education course is designed to increase the competencies of students in the area of programming for children and adolescents with behaviour disorders. Students are prepared for a field placement in a resource room or alternate program that addresses the educational needs of children with behavioural difficulties. Course topics include assessing student needs, designing appropriate individual education plans, communicating with colleagues and parents, and using effective methods for teaching children with behaviour disorders in a variety of school settings.
Prerequisite: The permission of the Inclusive and Special Education program coordinator

EDSC 3200
Science Methods ***3 credits (3,0,0)***
This course is designed to introduce students to current principles and strategies applied to teaching science in elementary schools from Kindergarten to Grade 7. The three strands of the B.C. Science IRP, Life, Physical Earth, and Space Science, provide the base for exploring scientific content in terms of how children learn science. Weekly classes include hands-on labs, presentations, website explorations, article reviews, current events, and field trips. This course and its assignments are designed to give students the opportunity to explore the nature of science and learn how to teach science to children.
Prerequisite: Successful completion of Year 1, Term 1.

EDSC 4150
Environmental Education ***3 credits (2,1,0)***
The purpose of this course is to examine aspects of environmental education appropriate for K - 7 students. Through the concept of Active Living and use of the outdoors as the principal classroom, the elements of living/lifestyles in all subject areas will be addressed. The course also emphasizes teaching students how to make informed decisions and take constructive actions regarding the earth and its inhabitants. Field trips involving activities suitable for elementary-aged students are an integral part of this course.
Prerequisite: Successful completion of Year 1 (Fall and Winter semesters), or permission of the instructor and Chair of the department. Introductory environmental science courses and basic knowledge of outdoor education (physical education or environmental science). 3rd or 4th year university students who have experience teaching children, or the permission of the instructor and Program Coordinator.

EDSC 4160
Problem Solving in Science & Mathematics
3 credits (3,0,0)
Science and mathematics learning is recognized as more than a collection of isolated skills and concepts to be mastered. Rather, science and mathematics promote experiences where students actively participate in the learning and doing of these subjects. Hence, problem solving is central to and permeates all aspects of science and mathematics. To become effective problem solvers and problem posers, children require experiences with various types of problems arising from a variety of real situations. A problem-posing framework will be used to explore ways in which teachers can provide opportunities to assist children to reason systematically and carefully, and to develop their understanding of science and mathematics.
Prerequisite: 3rd or 4th year university students who have experience teaching children or the permission of the instructor and Program Coordinator.

EDSL 4200
2nd Language Focus on French ***2 credits (2,0,0)***
This course introduces the instructional and assessment strategies that are effective in promoting the learning of a second language by elementary students. It emphasizes the development of a proficiency-based curriculum and concurrent development of listening, speaking, reading, and writing skills. The course acquaints education teacher candidates with the teaching techniques, procedures, and instructional resources used to teach second languages to children, focusing on French. Teacher candidates interested in teaching other languages will be encouraged to adapt strategies to their own specific language and will learn to adapt assignments to their target language.
Prerequisite: Successful completion of Year 1 or permission of the instructor and program coordinator

EDSO 3200
Social Studies Methods ***3 credits (3,0,0)***
The overarching purpose of this course is to introduce various rationales, goals, and strands needed to develop a coherent social studies program. Social Studies is presented as a dynamic, multi-disciplinary curriculum for creating informed, adaptable, responsive, and responsible educated citizens. Approaches and strategies are explored that focus on developing an understanding of the various Social Studies disciplines and the characteristics and evolution of the interrelated global systems, as well as promoting critical thinking, social responsibility, and a global perspective. EDSO 3200 is linked to the 2-week practicum that students take in the same semester (EDPR 3200), and so students will have the opportunity to teach several of the social studies lessons they will have developed.
Prerequisite: Successful completion of Year 1, Term 1.

EDSO 4150
Global Education ***3 credits (3,0,0)***
This course explores, in theory and practice, how global education in schools can facilitate critical understanding and skills for building more peaceful futures in local, national, international, and global contexts. Students will critically examine six key issues of planetary crises: militarization, structural violence, human rights, cultural solidarity, environmental care, and personal peace. Strategies and pedagogies for global education will be explored.
Prerequisite: 3rd or 4th year university students who have experience teaching children or the permission of the instructor and Program Coordinator.

EDTE 3010
Woodworking 1 (L) ***3 credits***
This course deals with basic woodworking theory, techniques and procedures; including safety, hand tool processes, power tool processes, and procedures involving stationary power equipment. The materials and fundamental techniques used in wood products manufacturing are introduced. Special emphasis is on the hands-on skills and safety procedures required to teach a course using power equipment. Students complete exercises, assignments and projects suitable to junior level secondary grades. Students with a directly related trade qualification are not permitted to take this course for credit.
Prerequisite: Acceptance into the B.Ed. (Trades and Technology Education) Teacher Education Program.

EDTE 3020
Metalworking 1 (L) ***3 credits***
This course deals with basic woodworking theory, techniques and procedures; including safety, hand tool processes, power tool processes, and procedures involving stationary power equipment. The materials and fundamental techniques used in wood products manufacturing are introduced. Special emphasis is on the hands-on skills and safety procedures required to teach a course using power equipment. Students complete exercises, assignments and projects suitable to junior level secondary grades. Students

with a directly related trade qualification are not permitted to take this course for credit.
Prerequisite: Acceptance into the B.Ed. (Trades and Technology Education) Teacher Education Program

EDTE 3030
Power Mechanics 1 (L) *3 credits*
This course deals with basic mechanical theory, techniques and procedures that are suitable to a power mechanics class at the secondary school level. Topics include safety, hand tools, maintenance, disassembly, reassembly and basic repairs. Students complete exercises, assignments and projects suitable to secondary level coursework. Students with a directly related trade qualification are not permitted to take this course for credit.
Prerequisite: Acceptance into the B.Ed. (Trades and Technology Education) Teacher Education Program

EDTE 3040
Design and Drafting (L) *3 credits (3,0,2)*
This course deals with the basics of drafting and design theory, techniques and procedures. Sketches, mechanical architectural and detail drawings will be explored. Students will move quickly from the fundamentals of manual paper and pencil based drawings to Computer Aided Design (CAD) technology. The generic fundamentals of CAD software will be emphasized with the intention that students will be able to used and tech any of the CAD software programs that may be owned by various secondary schools. Exercises, assignments and projects will be completed that are suitable to secondary level coursework. Students with directly related qualifications will not be allowed to take this course for credit.

EDTE 3050
Electricity and Electronics 1 (L) *3 credits*
This course deals with basic electrical and electronics theory, techniques and procedures. Topics include safety, hand tools and equipment, materials, and the fundamental processes used in wiring and circuitry. Students complete exercises, assignments and projects suitable to secondary level coursework. Students with directly related qualifications are not permitted to take this course for credit

EDTE 3100
Principles of Trades and Technology Education
3 credits (3,0,0)
This course introduces students to the role of trades and technical education in the high school. The students' future role in carrying out the purposes and mission of Trades and Technology Education is explored. The course introduces the basic principles, methods and techniques of instruction suitable for secondary teaching. Learning theory and learning styles, lesson preparation, lesson types, instructional techniques, learning environments, and classroom management techniques are introduced. This course is designed to provide practical knowledge of instructional techniques that can be directly applied in the classroom. Emphasis is placed on actual practice of instructional skills.

EDTE 3110
Learning, Curriculum and Assessment *3 credits (3,1,0)*
This course builds on the basic pedagogical processes introduced in EDTE 3100 and emphasizes continuous improvement of teaching and learning through planning and feedback facilitated by the Professional Development process. Course topics include developing and implementing course outlines, identifying types of learning, determining appropriate instructional techniques and learning activities, determining and evaluating appropriate assessment and testing methods, creating an effectiv learning environment, and student motivation.
Prerequisite: EDTE 3100

EDTE 3120
Adolescent Learning and Development *3 credits (3,0,0)*
This course is intended to provide an understanding of adolescent learning and development. Modern theories in developmental, educational, and cognitive psychology, as well as social and physical development, are explored. Emphasis is on the theories that are relevant to adolescents in the school environment in order to help educators plan and implement lessons, activities, lectures, assignments, and teaching strategies.
Prerequisite: EDTE 3100

EDTE 3130
Legal Issues in Secondary Education *3 credits (2,0,0)*
This course will introduce legal issues and current laws relating to education. Topics include past, current, and emerging legal issues, teacher and institutional liability, students' rights and teacher rights and responsibilities. Case histories from the education system will be examined. Special emphasis will be placed on the issues relating to safely managing the learning environment and safe work practices in secondary technical education courses.
Prerequisite: EDTE 3100

EDTE 3140
Organizing and Managing Technology Learning Facilities
2 credits (2,0,0)
This course provides instruction in the planning, organization, and management of several types of shop- related education facilities. The scope of this course is the preparation for instruction in a shop or laboratory which includes a complete plan of organization, safety, and management showing the necessary equipment, materials, and supplies. Methods of purchasing, budgeting, financial control, inventory procedures, and problems related to shop or laboratory learning environment management are included. Participants are introduced to spreadsheet software to organize and track shop budgets and expenditures.

EDTE 3150
Special Education and Behaviour Management
3 credits (3,0,0)
This course will introduce current issues and best practices for serving secondary students of different cultural, ethnic and socioeconomic backgrounds as well as students with special needs. The course will focus on behavioural issues at the classroom and individual student level. Appropriate student behaviour will be discussed with a particular emphasis on techniques for preventing, diagnosing, and handling student discipline problems in a context which might include students with special educational needs and students from diverse cultural backgrounds. The course includes behaviour management strategies and methodologies that are specific to technical education courses and environments. The characteristics and causes of disruptive behaviour and appropriate techniques for intervention will be discussed. Discussion of current motivational theories and how these theories can be applied to motivating vulnerable students will also be included.
Prerequisite: EDTE 3100

EDTE 3180
History of Education *3 credits (3,0,0)*
An examination of selected topics in the history of Canadian and British Columbian education and of the relationships between historical development and current educational policy. Particular emphasis on the development of technical education in Canada and British Columbia, with a component that highlights growth of secondary education.

EDTE 3190
Philosophy of Education *3 credits (3,0,0)*
This course introduces students to the comparative and critical study of the philosophical frameworks related to education and schooling (e.g. realism, pragmatism, behaviourism, existentialism) and their representative thinkers. This course is designed to help students examine the diverse educational views that have affected, and are affecting, schooling in Canada and.British Columbia. Participants will reflect on their developing educational philosophy through readings, discussions and lectures.

EDTE 3200
Sociology of Education *3 credits (3,0,0)*
This course introduces students to the study of classroom, school, and schooling as social systems and the cultural function of educational institutions with particular emphasis on the secondary school. Concepts such as social organization, stratification, mobility, role, and values are applied. This course is designed to help students examine the impact of varying social perspectives on schooling in Canada and British Columbia.

EDTE 3410
Practicum 1 *2 credits (60 hours)*
This is an introductory practicum experience in secondary schools. Students will experience a variety of short-term teaching responsibilities with close guidance from a qualified and experienced technical education teacher in a classroom and shop setting. The student teacher will participate in at least four different classrooms with different teachers and at two different schools. Students will be placed in pairs for this practicum.
Prerequisite: EDTE 3100

EDTE 3420
Practicum 2 *2 credits (60 hours)*
This 60 hour practicum experience will have an emphasis on teaching, and learning in the individuals own area of technical or trade expertise. Participants will assume teaching responsibilities including planning, classroom management, evaluation and related activities while being closely supervised by a qualified and experienced technical education teacher. Students will be placed in pairs for this practicum.
Prerequisite: EDTE 3410

EDTE 3430
Practicum 3 *2 credits (60 hours)*

This 60 hour practicum experience will take place in the early part of the winter semester. The emphasis will be on teaching outside of the individuals own area of technical or trade expertise. Participants will assume teaching responsibilities in junior level courses while being closely supervised by a qualified and experienced technical education teacher. Students will be placed individually for this practicum.

EDTE 3440
Practicum 4 ***2 credits (60 hours)***
This 60 hour practicum experience will take place in the early part of the winter semester. The emphasis will be on teaching outside of the individuals own area of technical or trade expertise. Participants will assume teaching responsibilities in junior level courses while being closely supervised by a qualified and experienced technical education teacher. Students will be placed individually for this practicum.
Prerequisite: EDTE 3430

EDTE 3450
Practicum 5 ***3 credits (90 hours)***
In this practicum experience, the emphasis is on working with the range of students and specific learning needs found within a secondary education environment. Participants assume teaching responsibilities and focus on instructional and classroom management adaptations for the diverse needs of learners. Teacher candidates are closely supervised by a qualified and experienced secondary education teacher and are placed individually for this practicum. During this practicum, teacher candidates work with school staff, counsellors, and other professionals who may be working with specific students.
Prerequisites: EDTE 3440

EDTE 4010
Woodworking 2 (L) ***3 credits (3,0,2)***
This course adds to the woodworking knowledge and skills learned in EDTE 301. In addition to the related safety, processe and procedures, instructional techniques suitable for teaching secondary school classes will also be included. Students will complete the exercises and projects both as a learner and also from the perspective of their future teaching role. Students with a directly related trade qualification will not be allowed to take this course for credit.
Prerequisite: EDTE 3010

EDTE 4020
Metalworking 2 (L) ***3 credits (3,0,2)***
This course adds to the metalw orking knowledge and skills learned in EDTE 3020. In addition to craft related safety, processes and procedures, instructional techniqu es suita ble for teaching grade 8 to 10 secondary school classes will also be includ ed. Students will complete the exercises and projects both as a learner and also from the perspective of their future teaching role. Students wi th a directly related trade qualification will not be allowed to take this course for credit.
Prerequisite: EDTE 3020

EDTE 4030
Power Mechanics 2 (L)
This course adds to the mechanical knowledge and skills learned in EDTE 3030. In addition to the related safety, processes and procedures, instructional techniques suitable for teaching grade 8 to 10 secondary school classes will also be included. Students will complete the exercises and projects both as a learner and also from the perspective of their future teaching role. Students with directly related qualifications will not be allowed to take this course for credit.
Prerequisite: EDTE 3030

EDTE 4040
Design and Drafting 2 (L) ***3 credits (3,0,2)***
This course continues the developm ent of drafting and design techniques, primarily by the use of Computer Aided Design (CAD) software. Students will practice fundamental skills and drawing standards for various industries. Additional technology will be introduced including 3D surface creation and solids modellin g. Related graphics software will be explored. Emphasis will be on developing appropriate and interesting lessons and assignments that are suitable to secondary grades of 8 through 12. Students with directly related qualifications will not be allowed to take this course for credit
Prerequisite: EDTE 3040

EDTE 4050
Electricity and Electronics 2 (L) ***3 credits (3,0,2)***
This course adds to the knowledge and skills learned in EDTE 3050. In addition to the related safety, processes and procedures, instructional techniques suitable for teaching grade 8 to 10 secondary school classes are included. Students complete the exercises and projects both as a learner and from the perspective of their future teaching role. Required Lab 4050L
Prerequisite: EDTE 3050

EDTE 4110
Professional Growth and Development ***4 credits (3,1,0)***
This course is designed to allow students to analyse, synthesize and reflect on their experiences as students in this program. Students will create a professional portfolio which will document their professional and personal growth as trades and technical education teachers. Through consideration of their experiences prior to enrolling and how they have grown throughout the program students will create a professional development plan for their next year. This plan will identify strengths and areas for improvement in their preparation as a trades and technical education teacher. Job search techniques, early year survival approaches, professional organizations, mentoring and the supervision of beginning teachers will be included.
Prerequisite: Successfuly completion of all courses and practica to date

EDTL 1510
First Nations Language Teaching Methodology 1
3 credits (3,0,0)
This course will introduce students to the major language teaching methodologies. These methodologies will be examined through the use of structured observations, multimedia presentations and/or microteaching assignments.
Prerequisite: Completion of Semester 1, Year 1 of the DSTC program

EDTL 3100
Teaching and Learning 1 ***3 credits (3,0,0)***
This course will focus on preparing lesson plans for teaching small groups of children. The course will be integrated with the EDLL 3100 (Language and Literacy 1) and EDPR 3100 (Practicum 1), and this will allow for direct links between course topics and classroom practice. Students will have opportunities to implement teaching practices presented in EDTL 3100 with small groups of children as part of EDPR 3100, with the curriculum content being determined by the EDLL 3100 course. For example, students could prepare a lesson plan on teaching new vocabulary in a cooperative group format, teach the lesson in EDPR 3100, and then make effective revisions to their teaching based on this experience. The method to teach vocabulary would be generated in EDLL 3100, and planning the lesson (including preparing a lesson plan that includes teaching essential group social skills) would be covered in EDTL 3100.
Prerequisite: Admission to the TRU Bachelor of Education program.

EDTL 3200
Teaching and Learning 2 ***3 credits (3,0,0)***
This course will focus on preparing unit plans for teaching whole classrooms of children. The course will be integrated with the EDSC (Science), EDSO 3200 (Social Studies), EDMA 3200 (Mathematics 2), and EDPR 3200 (Practicum 2) courses. This will allow for direct links between course topics and classroom practice. Students will have opportunities to implement teacher practices presented in Teaching and Learning II with whole classrooms of children as part of EDPR 3200, with the curriculum content being determined by the EDSC 3200, EDMA 3200, and EDSO 3200 courses. For example, students could prepare a unit on ancient Egypt that includes cultural aspects of pyramids, perspective drawing of pyramids, and geometry. Students could teach more than one lesson in EDPR 3200 and then make effective revisions based on their reflections.
Prerequisite: Successful completion of Year 1, Term 1.

EDTL 4100
Teaching and Learning 3 ***3 credits (3,0,0)***
This course is intended to teach students to design collaborative units and to incorporate language and literacy components across curricular areas. Students will be introduced to the basic concepts of cross-curricular integration and they will demonstrate understanding of these concepts by developing integrated projects. These projects will form part of a unit to be designed and implemented in the final practicum EDPR 4200 in Year 2 Winter Semester.
Prerequisite: Successful completion of Year 1.

EDUC 4000
Directed Studies in Education ***3 credits (3,0,0)***
This course will provide the opportunity for self-directed, mentored study in an area of elementary education. Students will examine, in-depth, a topic or issue of professional interest. Outcomes may include a project, research paper, literature review, or program evaluation.
Prerequisite: Permission of the Dean, Program Coordinate of the B. Ed. program, and the agreement of supervising faculty member.

EDUC 5000
Learning about Learning ***3 credits (39 hours)***
This course aims to support students exploring their own perspectives on learning as well as taking a look at contemporary theories of learning developed by academics in the education field. At the same time the course is designed to support students in becoming more effective advanced academic learners in the field of Education.
Prerequisite: Undergraduate degree and GPA 3.0, IELTS 6.0

EDUC 5010
Research Methods ***3 credits (3,0,0)***
This course will serve as an introduction to research methods. Students will examine a variety of methods for conducting quantitative and qualitative research. Students will also be apprised of procedures for securing Ethics Committee approval for conducting research.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 5020
Philosophy & History of Education ***3 credits (3,0,0)***
Ideas about what education is, what purposes it should serve, and how it should be structured are closely entwined with ideas of what a society is and how it functions. This course provides an introduction to key educational philosophers, and considers their impacts on the history of education and childhood.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 5030
Curriculum, Teaching & Learning ***3 credits (3,0,0)***
This course will familiarize students with a variety of theoretical perspectives on curriculum design/development, implementation, and evaluation. Curriculum, teaching, and learning will be applied to a variety of educational contexts and situations.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 5040
Diversity: Social Realities ***3 credits (3,0,0)***
This course examines the social construction of inequalities based on class, gender, race, and sexuality and the operation of these inequalities within educational institutions. The course surveys the influence of social inequalities on student experiences and student success within the educational system.

EDUC 5050
Principles & Processes of Educational Leadership
3 credits (3,0,0)
This course will examine the current theories and belief systems that contribute to evolving concepts of leadership, with particular attention to leadership in educational settings.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 5060
Directed Seminar ***3 credits (3,0,0)***
Targeted to provide the opportunity for self-directed, mentored scholarship, this course focuses on advanced examination of topics that are of professional interest to the student.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 5070
Research Project: Design ***3 credits (3,0,0)***
Research design is integral to professional and scholarly inquiry. This course prepares students for post-graduate research through surveying a variety of designs, methods, and questions, and by exposing students to critical approaches to research design assessment.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 5080
Research Project: Implement ***3 credits (3,0,0)***
This course will review a variety of methods for implementing research, including qualitative methods, surveys, action research, and experimental designs. Students will also learn procedures for securing ethical approval for research.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 5090
Research Project: Presentation ***3 credits (3,0,0)***
This course will be the culmination of the M.Ed. program. Students will present the results of their research in a public forum.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 5180
Research Project ***6 credits (6,0,0)***
As a culminating course for students in the project stream of the M.Ed., students will engage in a research project of study. Students will work one-on-one with their supervisor. A reflective paper summarizing the research project as well as a summative presentation of their project to a community of inquiry, including peer colleagues and instructors, will round out the course.
Prerequisite: As this is the culminating course in the project exit option for the M.Ed., all other courses in the M.Ed. must be completed.

EDUC 5210
Educational Management ***3 credits (3,0,0)***
This course will examine the management of fiscal and human resources that contribute to effective leadership in educational settings.
Prerequisite: Admission to the TRU Teacher Leadership Certificate program.

EDUC 5220
Cultural Diversity in Educational Leadership
3 credits (3,0,0)
Targeted to provide the opportunity for collaboration with a number of entities within higher education and the public schools, this course focuses on issues associated with First Nations education and with educational issues around other ethnicities and diversities prevalent in British Columbia schools.
Prerequisite: Admission to the TRU Teacher Leadership Certificate program.

EDUC 5230
Application of Educational Leadership
6 credits (0,1,5)
Targeted to provide the opportunity for a mentored field experience, this course focuses on integrating the knowledge and skills from previous courses into a capstone experience. In collaboration with the mentoring school district, students will engage in applying educational leadership in an internship experience. A seminar component will be included.
Prerequisite: Admission to the TRU Teacher Leadership Certificate programme.

EDUC 5280
Capstone Seminar ***3 credits (0,3,0)***
This capstone course will provide students with the opportunity to write a major synthesis paper on their learning in the M.Ed. While the precise topic of the paper will be determined by the student in consulation with his/her supervisor, the student will benefit from interaction with peers in this course. Topics covered will include models and examples of sythesis papers, peer review, and presentations. This course will include both face-to-face and on-line delivery.
Prerequisite: As this is the culminating course in the capstone course exit option for the M.Ed., all other courses in the M.Ed. must be completed

EDUC 5400
Principles & Process Ed Leader ***3 credits (3,0,0)***
This course will examine the current theories and belief systems that contribute to evolving concepts of leadership, with particular attention to leadership in educational settings.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 5420
Legal Issues in Education ***3 credits (3,0,0)***
This course examines educational governance, policy and laws with an emphasis on their effects on students, teachers, administrators, and parents. Course themes include student and parent rights, labour law, child protection, collective bargaining, and the governance of schools in B.C., Canada and internationally .
Prerequisite: Admission to the TRU MEd program.

EDUC 5440
Understanding and Managing Conflict ***3 credits (3,0,0)***
Understanding and managing conflict is core to many educational roles, for example, teacher, principal, district leaders, counselors, and curriculum consultants. It also is central to leadership in other sectors such as health care, social services, the military, and more. This course will examine these topics: types and causes of conflict, cultural components of conflict, effects of conflict, conflict management, and conflict vis-a-vis organizational change.
Prerequisite: Admission to the TRU MEd program.

EDUC 5460
Educational Management ***3 credits (3,0,0)***
This course will examine the management of fiscal and human resources that contribute tot the effective leadership in educational settings. This course focuses on the contextual application of leadership theory in educational settings. Through exploration and examination of human resources and the fiscal component of management, students will gain the knowledge and skills necessary to provide day to day leadership in an educational organization.
Prerequisite: Admission to the TRU MEd program.

EDUC 5500
Introduction to Counselling Skills ***3 credits (3,0,0)***
Targeted to provide the opportunity to explore the helping professions and the skills needed to communicate effectively with diverse populations.
Prerequisite: Admission to the TRU MEd program.

EDUC 5510
Theories in Counselling ***3 credits (3,0,0)***
This course consists of a study of the major counselling approaches and a study of some of the issues faced by counsellors and by individuals who are considering becoming counsellors.
Prerequisite: Admission to the TRU MEd program.

EDUC 5520
Assessment and Evaluation ***3 credits (3,0,0)***
This course is a study of group and individual assessment used in elementary and secondary schools.
Prerequisite: Admission to the TRU MEd program.

EDUC 5550
Introduction to Secondary School Counselling
3 credits (3,0,0)
A study of counselling as related to secondary school practice. Emphasis is on the secondary school counsellor's role and functions.
Prerequisite: Admission to the TRU MEd program.

EDUC 5560
Career Counselling and Development ***3 credits (3,0,0)***
This course is a study of career counselling development and theory. The theoretical emphasis is on the development aspects of career decision making from childhood through adulthood.
Prerequisite: Admission to the TRU MEd program.

EDUC 5580
Field Experience/Practicum in School Counselling
6 credits (0,6,0)
Targeted to provide the opportunity for a mentored field experience, this course focuses on integrating the knowledge and skills from previous courses into a capstone experience. In collaboration with a mentoring school district, students will be engaged in school counselling roles and responsibilities. A seminar component will be included.
Prerequisite: Admission to the TRU MEd program and successful completion of EDUC 5500, EDUC 5510, EDUC 5520, EDUC 5500, EDUC 5560

EDUC 5600
Research Institute: Language, Culture and Community
This course will consist of academic study associated with full participation in The Research Institute: Language, Culture and Community at TRU. The institute will include paper presentations based on research addressing a range of educational issues. The main goal of the institute is to facilitate the grounding of educational practice in sound theory and research.
Prerequisite: Admission to the TRU MEd program.

EDUC 5990
Special Topics in Education ***3 credits (3,0,0)***
Special topics courses are offered on a temporary basis and are not part of the regular course offerings. This course utilizes the special expertise of a faculty member or a visiting professor to go beyond the usual curriculum and enrich the program of study. Contact the program advisor for information on current offerings.
Note: EDUC 5990 Special Topics in Education can be taken up to 4 times providing the course title includes a different topic each time.

EDVP 4100
Drama ***2 credits (2,0,0)***
Teacher candidates are introduced to the theory and practice of drama in the elementary classroom. Participants focus on experiencing various drama forms and conventions, analyzing them as ways of learning, and applying them to specific curricular and classroom needs.
Prerequisite: EDPR 3200

EDVP 4110
Music ***2 credits (2,0,0)***
This is an introductory course in music education designed to give students a basis for teaching music in elementary classroom settings. The understanding of musical concepts and the demonstration of skills will be fostered through singing, listening and appreciating, playing instruments, creative expression, and critical reading of the music education literature.
Prerequisite: EDPR 3200

EDVP 4120
Visual Arts ***2 credits (2,0,0)***
This course is designed to facilitate the fundamental experience and understanding of the role and value of art education, as well as to explore key issues in this domain. Lessons are concerned with basic concepts related to children's artistic production, perceiving and responding to art, and teacher planning for art instruction. Studio activities are interactive and meant to develop strategies and confidence for teacher candidates to deliver and introduce selected art materials, as well as to convey appropriate techniques to facilitate positive art learning for elementary-aged students.
Prerequisite: EDPR 3200

EDVP 4150
Music Curriculum and Instruction: Elementary
3 credits (3,0,0)
This course includes theoretical and practical components designed to develop skills, concepts, and attitudes in music education. In addition to extending theory and practice applications for the classroom, students focus on composition and creativity.
Prerequisite: Third- or fourth-year university students who have experience teaching children or the permission of the instructor and program coordinator. Some experience with music is desirable.

EDVP 4160
The Arts and Media Literacy ***3 credits (3,0,0)***
Critical engagement with various media teaches us how to 'read the world'; from these interactions, we construct the texts with which we explore and communicate our own identity. Students explore the multiple ways in which the artistic languages of visual art, music, drama, and written words represent and communicate meaning-making, literacy, and personal expression within school and broader life contexts.
Prerequisite: Third- or fourth-year university students who have experience teaching children or the permission of the instructor and program coordinator

EDVP 4170
Music as Language, Language as Music: Intertextual Dialogues
3 credits (3,0,0)
This interdisciplinary course looks at the languages of words, music, gesture, and image as vehicles for artistic expression, social commentary, and cultural communication.
Prerequisite: There are no music prerequisites. Arts students must have attained third-year standing; Education students must be in the second year of the Bachelor of Education program.

ELEI 2000
Industrial Electrician Apprentice 1
Students are introduced to theory and gain hands-on lab experience in the following topics: electrical safety fundamentals; DC circuits; electromagnetism; meters & test equipment; electrical prints & drawings; AC motor controls; electrical code and wiring; and industrial power electronic

ELEI 3000
Industrial Electrician Apprentice 2
Students are introduced to theory and gain hands-on lab experience in the following topics: AC fundamentals, AC meters & test equipment, single phase AC circuits, circuit protection devices, single-phase transformers, AC motor controls, lighting, industrial power electronics and electrical code & wiring

ELEI 4000
Industrial Electrician Apprentice 3
Students are introduced to theory and gain hands-on lab experience in the following topics: Three-phase Circuits, electronic circuits, power quality analyzers, Canadian Electrical Code, three-phase transformers, DC motors and generators, AC motors and alternators, PLC's programming, PLC communication buses and interfaces, magnetic motor controls and electronic motor controls.

ELEI 5000
Industrial Electrician Apprentice Level 4
Students are introduced to theory and gain hands-on lab experience in the following topics: test equipment, electronic circuits, low voltage distribution systems, HVAC, pumps, robotic control systems, variable speed drives , network diagnostic systems, PLC's communication protocols, high voltage systems, UPS and batteries, power generation equipment, signal and alarm systems.

ELEL 2000
Electrician Apprentice Level 1
Students are introduced to theory and gain hands-on lab experience in the following topics: AC fundamentals, AC meters & test equipment, single phase AC circuits, circuit protection devices, single-phase transformers, AC motor controls, lighting, industrial power electronics and electrical code & wiring.

ELEL 3000

Electrician Apprentice Level 2

Students are introduced to theory and gain hands-on lab experience in the following topics: AC fundamentals, AC meters & test equipment, single phase AC circuits, circuit protection devices, single-phase transformers, AC motor controls, lighting, industrial power electronics and electrical code & wiring.

ELEL 4000

Electrician Apprentice Level 3

Students are introduced to theory and gain hands-on lab experience in the following topics: Three-phase Circuits, electronic circuits, power quality analyzers, applying the Canadian Electrical Code to installations, three-phase transformers, DC motors and generators, AC motors and alternators, magnetic motor controls and electronic motor controls

ELEL 5000

Electrician Apprentice Level 4

Students are introduced to theory and gain hands-on lab experience in the following topics: AC and DC circuit concepts, structured cable testing and reporting, Canadian Electrical Code, regulations, and standards, low voltage distributions systems, HVAC systems, PLCs, process controls, installation of signal and communication systems, and high voltage systems.

ELTE 1010

Electrical Trade Entry/Theory Foundation

Students are introduced to theory and gain hands-on lab experience in the following topics: electrical safety fundamentals; DC circuits; electromagnetism; meters & test equipment; electrical prints & drawings; AC motor controls; electrical code and wiring; and industrial power electronics.

ELTE 1110

Electrical Trade Entry/Practice Foundation

Students gain experience in hands-on shop training in residential, commercial & industrial equipment installation and wiring methods.

ENGL 1100

Introduction to University Writing ***3 credits (4,0,0)***

This course introduces students to the practices of reading and writing in scholarly contexts. Students will read and analyze scholarly journal articles from a variety of disciplines. They will also develop their abilities to compose in the genres and sub-genres of scholarly writing, including incorporating research and documentation in a grammatically correct style.

Prerequisite: English 12/English 12 First Peoples with a minimum of 73% (with the government exam within the last 5 years); or level 5 on the compositions section of the Language Proficiency Index (LPI), with all other categories of the LPI at a minimum of 70% (within the last 2 years); or satisfactory completion of the TRU English Assessment (ACCUPLACER) at the university entrance level; or completion of ENGL 0600 with a grade ofC+ or better; or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better.

ENGL 1110

Introduction to Fiction ***3 credits (4,0,0)***

Students are introduced to the literary forms of the short story and the novel based on a particular theme chosen by the professor. Through lecture, class discussion, and written assignments, students develop their ability to explore, appreciate, and make connections among works selected from a wide range of classic and contemporary forms of storytelling.

Prerequisite: English 12/English 12 First Peoples with a minimum of 80% (within the last 5 years) or Level 5 on the composition section of the Language Proficiency Index (within the last 2 years) or ENGL 1100 or ENGL 1210 or ENGL 1120 or ENGL 1140 or ENGL 0600 or on the recommendation of the 0600 instructor to the EML department ESAL 570 with a C+ minimum and ESAL 580 with a C+ minimum

ENGL 1120

Introduction to Poetry ***3 credits (4,0,0)***

Students are introduced to literary forms of poetry based on a particular theme chosen by the professor. Through lecture, class discussion, and written assignments, students develop their ability to explore, appreciate, and make connections among poems selected from a wide range of classic and contemporary forms.

Prerequisite: English 12/English 12 First Peoples with a minimum of 80% (within the last 5 years) or Level 5 on the composition section of the Language Proficiency Index (within the last 2 years or ENGL 1100 or ENGL 1110 or ENGL 1140 or ENGL 0600 and on the recommendation of the 0600 instructor to the EML department or ESAL 570 with a C+ minimum and ESAL 580 with a C+ minimum.

ENGL 1140

Introduction to Drama ***3 credits (3,0,0)***

Students are introduced to literary forms of drama based on a particular theme chosen by the professor. Through lecture, class discussion, and written assignments, students develop their ability to explore, appreciate, and make connections among plays selected from a wide range of classic and contemporary forms.

Prerequisite: English 12/English 12 First Peoples with a minimum of 80% (within the last 5 years), or Level 5 on the composition section of the Language Proficiency Index (within the last 2 years) or ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 0600 and on the recommendation of the 0600 instructor to the EML department or ESAL 0570 and ESAL 0580 with a C+ minimum

Exclusion: ENGL 1210

ENGL 1150

Introduction to Creative Writing ***3 credits (4,0,0)***

This course introduces students to the field of creative writing by focusing on three of the following genres - poetry, fiction, drama and creative non-fiction. By reading and analyzing contemporary work, students determine how these texts are constructed. Students work on developing images, voice, character, setting, and narrative through a series of exercises, and gain an understanding of specific concepts and terminology used by creative writers.

Prerequisite: English 12/English 12 First Peoples with a minimum of 80% (within the last 5 years) or Level 5 on the composition section of the Language Proficiency Index (within the last 2 years).

ENGL 1210

Introduction To Drama & Poetry ***3 credits (3,0,0)***

Students are introduced to literary forms of poetry and drama based on a particular theme chosen by the professor. Through lecture, class discussion, and written assignments, students develop their ability to explore, appreciate, and make connections among poems and plays selected from a wide range of classic and contemporary forms.

Prerequisite: English 12/English 12 First Peoples with a minimum of 80% (within the last 5 years) or Level 5 on the composition section of the Language Proficiency Index (within the last 2 years) or ENGL 1100 or ENGL 1110 or ENGL 0600 and on the recommendation of the 0600 instructor to the EML department or ESAL 0570 with a C+ minimum and ESAL 0580 with a C+ minimum

Exclusion: ENGL 1120 or ENGL 1140

ENGL 2010

Writing and Critical Thinking: The Personal in Academic Writing

3 credits (3,0,0)

The subject of this course includes reading and writing, with a focus on the literacy narratives genre. Students read and interpret a selection of literacy narratives by scholars as well as scholarly articles that explore the role of the personal in academic discourse. Students gain extensive practice in thinking critically and writing about their own literacy experiences.

Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210

ENGL 2020

Writing and Critical Thinking: Research ***3 credits (3,0,0)***

The subject of this course is academic writing, with a focus on the research genres, including critical summaries, research proposals and research papers. Students analyze and gain extensive practice in research writing, while also considering various stylistic strategies.

Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210

ENGL 2040

Canadian Drama: From Page to Stage and Screen

3 credits (3,0,0)

Through a focus on modern and contemporary plays, this course introduces students to various theatrical techniques and dramatic modes. Works by such playwrights as Tremblay, Ryga, Highway, Clements, and Lepage may be among those studied. Whenever possible, texts are studied in conjunction with local theatrical productions.

Prerequisite: two 1st year Academic English courses with a C or better or instructor's written consent.

ENGL 2060

Creative Writing - Fiction ***3 credits (2,2,0)***

This course consists of lectures and workshops on writing literary fiction. Through lectures, readings and tests, students identify and critique the use of fictional techniques in contemporary fiction. Assignments require students to apply their knowledge of fiction and skills by writing original creative work.

Prerequisite: Any two of ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210

Recommended: ENGL 1150

ENGL 2070
Creative Writing – Drama *3 credits (2,2,0)*

This course consists of lectures and workshops on writing stage plays. Lectures and assignments focus on the techniques and requirements of contemporary play writing.
Prerequisite: Any two of ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210
Recommended: ENGL 1150

ENGL 2080
Creative Writing – Poetry *3 credits (2,2,0)*

This course consists of lectures and workshops on writing poetry, with an emphasis on the study and practice of basic poetry writing techniques. Through lectures, readings and assignments, students identify and apply various stylistic elements of contemporary poetry writing.
Prerequisite: Any two of ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210
Recommended: ENGL 1150

ENGL 2110
Literary Landmarks in English to 1700 *3 credits (3,0,0)*

This course explores the development of the English language, key genres, influential authors, and important literary movements that emerged from approximately 700 C.E. to the late 1600s. Representative genres include the epic, romance, sonnet, and comedy. As students explore these genres in their historical and cultural contexts, we consider the far-reaching influence of Chaucer, Shakespeare, and Milton as well as the contributions of other writers of the period. Topics may include the nature of a 'literary landmark,' the continuity and diversity of literary images and genres, the emergence of women's writing, and the role of literature and the imagination in nation building. This course is required for English Majors and Minors.
Prerequisite: two 1st year Academic English courses with a C or better or instructor's written consent.

ENGL 2120
Reading Literature: Essential Skills *3 credits (3,0,0)*

This course is recommended for all English Majors, but anyone hoping to develop advanced reading and writing skills will find this course interesting as well as useful for developing practical tools for success in writing and literature courses. Students learn greater appreciation for the language of literature. The course emphasizes close readings as well as analysis of the historical, political, and cultural dimensions of works from three genres: poetry, drama, and fiction. Critical approaches to literature are briefly introduced.
Course availability: This course is offered every year.
Prerequisite: C or better in two first-year Academic English courses or Instructor's written consent.

ENGL 2140
Biblical and Classical Backgrounds of English Literature 1
3 credits (3,0,0)

The course introduces students to Classical literature (mainly Greek) and the Bible (Old Testament: Hebrew Scriptures)& texts that are relevant and significant to subsequent culture, and especially for written works in English. Students also read and discuss additional representative works in English that have been influenced by the Bible and by Classical literature.
Prerequisite: two 1st year Academic English courses with a C or better or instructor's written consent.

ENGL 2150
Women and Literature: Voice, Identity, and Difference
3 credits (3,0,0)

Students explore women's voices, past and present, in fiction and non-fiction. The focus is on issues related to women's self-expression, paying attention to the formation of identity, and taking into account elements of difference such as social class, ethnicity, and culture. Students gain an appreciation of the creative approaches women have used to voice their life experiences and their visions. Through lecture, class discussion, and written assignments, students develop their ability to think critically and write about literature.
Prerequisite: two 1st year Academic English courses with a C or better or instructor's written consent

ENGL 2160
Introduction to American Literature 1 *3 credits (3,0,0)*

Students examine major writers and works in American literature up to 1900. Students analyze and discuss nineteenth-century works that explore the development of American literary identity, including poetry, nonfiction, and prose fiction.
Prerequisite: two 1st year Academic English courses with a C or better or instructor's written consent.

ENGL 2170
Contesting Time, Space and Genre in Canadian Literature
3 credits (3,0,0)

This course investigates Canadian literature, in relation to changing concepts of national identity, and as expressed through Canadian attitudes toward our history and geography. Students consider literary work across a wide range of historical periods, spaces, and genres, with a special thematic emphasis on one of the following in any given calendar year: history in Canadian literature, country vs. city life in Canada, or re/writing the Canadian landscape. Please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department for the current thematic offering.
Prerequisite: C or better in two first-year Academic English courses or Instructor's written consent.

ENGL 2180
Studies in Poetry *3 credits (3,0,0)*

Students improve their ability to respond to and interpret poetry. Representative poems are examined to gain an understanding of the relationship between language, structure and experience.
Prerequisite: C or better in two first-year Academic English courses or Instructor's written consent.

ENGL 2190
Studies in Drama *3 credits (3,0,0)*

Students are introduced to modern drama, from the beginnings of Western modernist theatre through to the postmodern writing and productions of the later twentieth century. Plays are examined as both text and performance, and students gain insight into different literary techniques of the playwright, drama forms, traditions, and subversions. The various components of the play's narrative are also explored, and the dramas are contextualized in order for students to better understand their development and meaning. Students are introduced to aspects of drama theory as they develop the academic skills of critical reading and interpretation needed to navigate and transform the studied texts. Filmed versions of the texts are also used as support material.
Prerequisite: C or better in two first-year Academic English courses or Instructor's written consent.

ENGL 2200
Studies in Literature 1 *3 credits (3,0,0)*

The content of this course changes each year. Please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: C or better in two first-year Academic English courses or Instructor's written consent.

ENGL 2210
Survey of English Literature, 18th and 19th Century
3 credits (3,0,0)

This course examines selected major authors of the Augustan, Romantic and Victorian periods in English literature. Authors may include Dryden, Pope, Swift, Wordsworth, Coleridge, Byron, Keats, Shelley, Tennyson and Arnold, and representative novelists.
Prerequisite: C or better in two first-year Academic English courses or Instructor's written consent.

ENGL 2240
Biblical and Classical Backgrounds of English Literature 2
3 credits (3,0,0)

This course introduces students to Classical literature (mainly Roman) and the Bible (New Testament) - texts that are relevant and important for subsequent culture and especially for writing in English. Representative works in English that have been influenced by the Bible and by Classical literature are also read and discussed.
Prerequisite: two 1st year academic English courses with a C or better or instructor's written consent

ENGL 2250
Women and Literature: Women's Bodies and Women's Roles
3 credits (3,0,0)

Students read a diverse range of fiction and non-fiction about the experiences connected to inhabiting a female body and the roles women have assumed over time with varying degrees of acceptance or resistance. Through lecture, class discussion, and written assignments, students deepen their understanding of women's ideas on these matters as well as develop their ability to think critically and write about literature.
Prerequisite: C or better in two first-year Academic English courses or Instructor's written consent.

ENGL 2260
Introduction to American Literature 2
3 credits (3,0,0)
Students examine major writers and works in American literature after 1900. The course may include poetry, nonfiction, prose fiction, and drama, with a focus on the rise of American modernism.
Prerequisite: two 1st year academic English courses with a C or better or instructor's written consent

ENGL 2270
Subversion and Social Justice in Canadian Literature
3 credits (3,0,0)
Students explore the ways in which Canadian poets, dramatists and fiction writers have been in the forefront of movements for social change, expressing new visions of responsible government, economic fairness, and social equity. The course investigates Canadian literature and expressions of subversion and social justice via special thematic emphasis on one of the following in any given calendar year: protest literature in Canada and satire; and Canadian literature and creativity; and citizenship in Canada. Since the content of this course changes each year, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: two 1st year academic English courses with a C or better or instructor's written consent

ENGL 2400
Studies in Literature 2 ***3 credits (3,0,0)***
The content of this course changes each year. Please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: two 1st year academic English courses with a C or better or instructor's written consent.

ENGL 2410
Aboriginal Canadian Literature : Humour and Storytelling
3 credits (3,0,0)
Students are introduced to the tradition of storytelling in Indigenous cultures and focus on modern and contemporary poetry, drama, short stories, novels, and essays.
Prerequisite: C or better in two first-year Academic English courses or Instructor's written consent.

ENGL 3020
Travel Media
This course studies novels, journals, blogs, films, and guidebooks in order to understand and produce texts in the complex matrix called "travel media." It examines many examples of travel media, both commercial and personal in order to understand how it has developed and currently works. These examples are considered from many perspectives such as the figure of "the Other" colonialism, the flaneur, postmodemism, and even visual and document design. The course considers the strategies of design that constitute the various genres of travel media, from logs, vlogs, and multimedia, to guides, and even stories.

ENGL 3080
Advanced Composition 1 - Personal Expression
3 credits (3,0,0)
This course focuses on the rhetoric of personal expression, especially description and narration. Students are introduced to the concept of how multiple literacies variously compete and interact in the world around us; in practical terms, the course explores how a focus on personal expression can be used to improve writing skills at an advanced level.
Prerequisite: 6 credits of English or Communications courses or equivalent

ENGL 3090
Advanced Composition 2 - Writing in the Disciplines
3 credits (3,0,0)
This course focuses on practices of reading and writing in scholarly contexts. The conditions students encounter as readers at university, and the expectations they must meet as writers at university are addressed. The course begins with a theoretical discussion of style and then offers students the opportunity to examine examples of academic writing, and to compose their own scholarly argument.
Prerequisite: 6 credits English or Communications or equivalent

ENGL 3140
Studies in Fiction ***3 credits (3,0,0)***
This course includes special topics involving thematic, generic, or formal approaches to fiction. Students may take this course more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 3150
Studies in Non-Fiction ***3 credits (3,0,0)***
Students discuss the development and theory of a non-fiction genre, including autobiography, biography, creative non-fiction, memoir, or travel narrative. This course may be taken more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 3160
Studies in Literature and the Other Arts ***3 credits (3,0,0)***
Students analyze the strategies writers and artists in other media use to deal with common themes, and examine problems in formal and stylistic relationships between literature and other arts. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 3170
Science Fiction ***3 credits (3,0,0)***
Students focus on the main trends in science fiction since 1960, including works by Dick, Ballard, Le Guin, Gibson, and others.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 3180
Children's Literature ***3 credits (3,0,0)***
Students examine works of children's literature from the last three centuries (including selected fairy tales, novels, stories, poems, and picture books) in order to explore changing perceptions of childhood over time. Students consider how literature aimed at children was used to differentiate children from adults (as well as to challenge such a distinction), to entertain, and to socialize children on issues relevant to their lives in a rapidly changing world. The course also explores connections between children's literature and adult cultural traditions, and demonstrates the importance of the hybrid (or simultaneous child and adult) audiences suggested by many of these works.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3190
Studies in the Intellectual Backgrounds of Literature
3 credits (3,0,0)
This course covers special topics in the history of ideas, with particular reference to ideas that illuminate or are embodied in literature. Students may take this course more than once provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3200
History of English Language ***6 credits (3,0,0)***
This course surveys the development of the English language from the West Germanic to the present; students gain an understanding of phonology, morphology, syntax, and vocabulary.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3270
Structure of Modern English 1 ***3 credits (3,1,0)***
Students discuss English phonetics, phonology, and morphology. This course is open to 2nd year students.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210

ENGL 3280
Structure of Modern English 2 ***3 credits (3,1,0)***
Students discuss English syntax and semantics. This course is open to 2nd-year students.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210 and ENGL 3270

ENGL 3300

Reading Literature and Literary Theory: Advanced Skills

3 credits (3,0,0)

This course provides an opportunity for extended practice in literary criticism -- that is, in reading works closely and responding to them through interpretation and evaluation. Students examine a limited number of texts through a variety of critical theories such as formalism, reader response, psychological, New Historicist, feminist, deconstruction and cultural criticism. Students gain an understanding of the theories and of the degree to which each approach 'opens up' a text.

Prerequisite: Any two of ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

Recommended: This course is recommended for English Majors.

ENGL 3320

Modern Critical Theories ***3 credits (3,0,0)***

This course surveys major modern theories, and provides students with an opportunity to apply them to literary texts.

Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd-year standing or permission of the instructor

ENGL 3330

Special Topics in Creative Writing ***3 credits (1,2,0)***

This course offers the advanced study and practice of one or more of the following topics: literature for a young audience, and genre writing (for example, mystery, horror, or fantasy). Through readings and workshops, students define their own projects and produce a substantial portfolio of original work. Students may take this course more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.

Prerequisite: Any two of ENGL 1100 or ENGL 1110, ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

Recommended: ENGL 1150

ENGL 3340

Writing Speculative Fiction ***3 credits (2,1,0)***

This advanced course in writing speculative fiction includes work on projects in science fiction, post-apocalyptic fiction, and prehistoric fiction, and progresses through discussion, lectures, and workshops. Assignments, discussions, readings and workshops focus on learning and implementing a variety of fictional methods within these genres. Students explore the intersections of the known and unknown worlds through the tools of literary fiction.

Prerequisite: Any two of ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

Recommended: ENGL 1150

ENGL 3350

Studies in Major Authors ***3 credits (3,0,0)***

This course probes the works of no more than two significant writers. Specific topics are announced each year. Students may take this course more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.

Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3360

Advanced Short Fiction Writing ***3 credits (1,2,0)***

Through readings, discussion, lectures, and workshops, this course provides an opportunity for advanced practice in writing fictional short stories, between 1,000 and 10,000 words in length. Students produce a substantial portfolio of original work.

Prerequisite: Any two of ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

Recommended: ENGL 1150

ENGL 3370

Novel Writing ***3 credits (1,2,0)***

Through readings, discussion, lectures, and workshops, this course provides an opportunity for practice in planning and writing a novel. Students define their own projects and produce the first 30 pages of a novel as well as a substantial synopsis of the whole work.

Prerequisite: Any two of ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

Recommended: ENGL 1150

ENGL 3380

Advanced Poetry Writing ***3 credits (1,2,0)***

Through readings, discussion, lectures, and workshops, this course provides an opportunity for practice in planning and writing poetry. Assignments and workshops focus on learning, implementing, and revising a variety of poetic forms and styles. Students learn about a variety of poetic schools and traditions.

Prerequisite: Any two of ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

Recommended: ENGL 1150

ENGL 3390

Advanced Drama Writing ***3 credits (1,2,0)***

Through readings, discussion, lectures, and workshops, this course provides an opportunity for advanced practice in writing stage plays. Students are expected to write a one-act play of 20-40 pages.

Prerequisite: Any two of ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

Recommended: ENGL 1150

ENGL 3550

Chaucer ***3 credits (3,0,0)***

This course provides a detailed study of Chaucer's major works.

Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3650

Shakespeare ***6 credits (3,0,0)***

This course consists of lectures on various aspects of Shakespeare's art, and includes a detailed study of twelve plays.

Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 3660

Studies in Shakespeare ***3 credits (3,0,0)***

Students explore Shakespeare and his work. This course may be taken more than once provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.

Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3710

Poetry of the Early Seventeenth Century

3 credits (3,0,0)

Students examine the two main traditions of English verse in this 'golden age of poetry': the metaphysical and neo-classical. Of the metaphysical poets, Donne and Herbert receive most attention, while Jonson and Herrick are most representative of the neo-classical tradition. Interesting variations within each mode are also considered. The emergence of women's writing in this context is important, especially in the works of Lanyer, Wroth, and Philips. Students consider such topics as the politics of desire, representing the sacred, the ideology of landscape, the emergence of the subject, and the usefulness of such terms as 'metaphysical,' and 'neo-classical.' Emphasis is placed on the thoughtful reading of poems in their cultural context for the purpose of appreciating each poet's literary art.

Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3730

Topics in Seventeenth Century Literature

3 credits (3,0,0)

This course explores special themes, forms, and authors (excluding Milton) of seventeenth century literature. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.

Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3740

Milton's Paradise Lost ***3 credits (3,0,0)***

This course provides students with the opportunity to gain an in-depth appreciation of Milton's Paradise Lost, one of the most influential poems in the English language. As well as reading the poem closely and considering such topics as Milton's epic style, the gendering of Adam and Eve, the relationship between individual liberty and authority, the characterization of Satan, and Milton's use of symbolic forms and images, we place the poem in the context of Milton's life and his participation in the Civil War. Above all, Milton's achievement in the art of poetry is emphasized since this is what influenced such diverse writers as Blake and Pope, Eliot and Melville, Byron and Bronte, Pullman and Lewis and led him to have such an important impact on literary tradition.

Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 3750
Milton ***6 credits (3,0,0)(3,0,0)***
This course is an in-depth examination of the works, and their contexts, of seventeenth century English poet, John Milton.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing, or permission of the instructor.

ENGL 3810
Poetry of the Age of Dryden and Pope ***3 credits (3,0,0)***
Students explore poetry from the Restoration to the middle of the eighteenth century. Representative authors include Rochester, Finch, and Addison, in addition to Dryden and Pope.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 3820
Poetry of the Middle and Late Eighteenth Century
3 credits (3,0,0)
Students explore poetry from the time of Johnson to the beginnings of Romanticism. Representative authors include Johnson, Collins, Smart, and Cowper.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 3840
The English Novel in the Eighteenth Century
3 credits (3,0,0)
Students examine the beginnings of the novel and its development, from Defoe to Jane Austen.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140, ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3850
Restoration and Early Eighteenth Century Literature
3 credits (3,0,0)
This course offers a survey of Restoration and early eighteenth century English literature and its backgrounds. Students examine poetry, drama and prose. The course is organized chronologically, to emphasize literary developments.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3860
Mid and Late Eighteenth Century Literature
3 credits (3,0,0)
This course offers a survey of literature from the middle to the end of the eighteenth century. Students explore poetry, drama and prose, as well as backgrounds to the works studied. The course is organized chronologically, to emphasize literary developments.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3890
Studies in Eighteenth Century Thought and Literature
3/12 credits (3,0,0)
This single-term or full-year course studies systems of thought, or other cultural elements, as they contribute to the interpretation and evaluation of literature. Students may take this course more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 3910
Romantic Poetry ***6 credits (3,0,0)(3,0,0)***
Blake, Wordsworth, Coleridge, Byron, the Shelleys, and Keats.
Prerequisite: Any two of ENGL 1100, 1110 or 1210 in addition to third-year standing.

ENGL 3940
The Victorian Novel ***3 credits (3,0,0)***
Developments in the novel from Dickens to Thomas Hardy.
Prerequisite: Any two of ENGL 1100, 1110 or 1210 in addition to third-year standing.

ENGL 4000
Early Modern British Literature ***3 credits (3,0,0)***
Development in British Literature, including the genres of novel, poetry, drama, and biography, from 1880 to the 1920s.
Prerequisite: Any two of ENGL 1100, 1110, or 1210 in addition to third-year standing

ENGL 4040
The Modern British Novel ***3 credits (3,0,0)***
Developments in the novel up to the Second World War.
Prerequisite: Any two of ENGL 1100, 1110 or 1210 in addition to third-year standing.

ENGL 4130
Contemporary British Drama ***3 credits (3,0,0)***
This course surveys British drama from the 1950s, with Beckett's absurdist work and John Osbourne's hyper-realism, to the 1980s and 1990s' feminist cultural critiques by Caryl Churchill and Pam Gems.
Prerequisite: Any two of ENGL 1100, 1110 or 1210 in addition to third-year standing.

ENGL 4140
The Contemporary British Novel ***3 credits (3,0,0)***
Students examine the novel, from the Second World War to the present.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1210, 3rd year standing.

ENGL 4150
Studies Women's Literature ***3 credits (3,0,0)***
This course offers variable content that covers major themes in women's literature or theory. Students may take this course more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4160
Topics in Modern Irish Literature ***3 credits (3,0,0)***
This course examines topics in Irish literature (in English) since the Irish Literary Renaissance. Students may take this course more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4200
Canadian Literature ***6 credits (3,0,0)(3,0,0)***
A study of the literature in English with some attention to major French-Canadian works in translation. **This course is going to be semesterized. Consult English and Modern Languages department for details.

ENGL 4240
19th Century Canadian Literature ***3 credits (3,0,0)***
This course will survey major authors and trends in Canadian literature written before 1900. Some pre-nineteenth century work will be included, but the course will focus on the nineteenth century.
Prerequisite: Any two of ENGL 1100, 1110, 1120, 1140 or 1210, in addition to third-year standing

ENGL 4250
Contemporary Canadian Poetry ***3 credits (3,0,0)***
This course focuses on English Canadian poetry written between mid-twentieth century and the present. In addition to examining and analyzing representative poems, students are expected to consider questions of both a 'national poetry' and the poetic genre itself. Students explore the following questions: What constitutes the Canadian-ness of Canadian poetry? What poetic techniques characterize innovative expression in these poems? Can common themes and poetic techniques be ascribed to these poems? Throughout the semester, students are encouraged to consider individual poems and the work of individual poets in this larger context.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 4260
Studies in Canadian Literature ***3/12 credits (3,0,0)***
This course presents special topics and approaches to Canadian literature. Literary periods, authors and material vary depending on the research interests of the instructor. Recent examples include Humour and Satire, British Columbia Literature, and Canadian Writing from the Edge of Genre. Students may take this course more than once, provided the content is different each time. Since the content of this course

varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor.

ENGL 4340
American Fiction to 1900 ***3 credits (3,0,0)***
This course focuses on the writings of Irving, Poe, Hawthorne and Melville.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4350
American Fiction in the First Half of the Twentieth Century
3 credits (3,0,0)
Students examine major works and movements between 1900 and 1950, including naturalism, realism, and modernism.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4360
Studies in American Literature
3/*12 credits (3,0,0) or (3,0,0)(3,0,0)*
This course involves special studies of individual periods of authors or themes in American literature. Students may take this course more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4370
American Fiction from Mid-Twentieth Century to the Present
3 credits (3,0,0)
This course examines major works and movements since 1950, including realism, neorealism, and postmodernism.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4440
Postcolonial Women's Literature ***3 credits (3,0,0)***
This course studies literature, written in English, by women from African nations, Australia, Canada, New Zealand, the Caribbean, and India. It includes work written from imperialist, colonial, and aboriginal perspectives. Students explore identity and gender politics through the analysis of texts by women from diverse nations and backgrounds.
Prerequisite: any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4450
Commonwealth/Postcolonial Literature
3 credits (3,0,0)
This course surveys 'colonial' and 'postcolonial' literature from Canada, New Zealand, Australia, Asia, Africa and the Caribbean, with an emphasis on modern fiction. Works are studied within their historical and cultural contexts, and students gain an understanding of issues including canon formation, generic conventions, language choices, ethnic and first nations identifications, and competing definitions of 'postcolonial.'
Prerequisite: two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4460
Studies in Commonwealth/Postcolonial Literature
3 credits (3,0,0)
Students examine major themes in postcolonial literature or theory. This course may be taken more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4470
Studies in Aboriginal Literature (North American)
3 credits (3,0,0)
This course focuses on the contemporary writing (in English) of Indigenous people in Canada and the United States. Students explore how aboriginal writers adapt oral strategies to writing and employ various techniques and devices to challenge and subvert colonial assumptions about genre, gender, class, and race.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4510
Studies in Literary Movements ***3/12 credits (3,0,0)***
Students examine such literary movements as Naturalism, Realism, Imagism, Impressionism, Vorticism, and Modernism. This course may be taken more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4600
American Poetry of the First Half of the Twentieth Century
3 credits (3,0,0)
Students examine major poets, themes, and movements between 1900 and 1950.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4610
American Poetry from the Mid-Twentieth Century to the Present
3 credits (3,0,0)
Students examine major poets, themes, and movements from 1950 to the present.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, 3rd year standing or permission of the instructor

ENGL 4760
Editing & Publishing ***3 credits (3,0,0)***
This course engages students in editing and publishing, with a focus on Canadian literature and language. Students are introduced to the study and practice of publishing, by exploring the history of literary journal publication in Canada; gaining hands-on experience editing articles for a journal; writing critical reviews; and considering page design layout and printing. Students experience the publishing process, including manuscript review, manuscript editing, copy editing, layout, and publication.
Prerequisite: Fourth year standing; successful completion of at least 6 credits of third year literature or composition.

ENGL 4780
Studies in Literature & Film ***3 credits (3,0,0)***
This course explores the sister arts of literature and film and offers an in-depth study of the relationships between cinematic form and literary genres, such as the novel, drama, and the short story. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, in addition to third-year standing or permission of the instructor.

ENGL 4790
Studies in Genre ***3 credits (3,0,0)***
Students explore a specific genre such as romance, comedy, travel narrative, or detective fiction. This course may be taken more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Any two of: ENGL 1100 or ENGL 1110 or ENGL 1120 or ENGL 1140 or ENGL 1210, in addition to third-year standing OR permission of the instructor.

ENGL 4970
Directed Studies in Language and Linguistics
3/6 credits (3,0,0)
Students investigate a specific topic in language linguistics as agreed upon by the faculty member and the student. Projects must comply with all required approval procedures. Students may take this course more than once, provided the content is different each time. Since the content of this course varies, please visit the English and Modern Languages web pages, pick up a booklet of course offerings, or contact the English Department to request more information.
Prerequisite: Minimum of 3rd year standing; ENGL 3270 and ENGL 3280 or instructor permission

ENSU 1000
Leadership in Environmental Sustainability
1 credit (0,1,0)

This one credit course is designed to recognize knowledge gained from existing courses and actions undertaken by students that contribute towards environmental sustainability competency through documented projects, community or TRU volunteer work, extra-curricular knowledge sharing, participation in environmental or social organizations, research papers, art work, architectural design, and relevant assignments in courses as it relates to environmental issues.
Pre-requisite: Permission from the Centre for Student Engagement and Learning Innovation

ENTR 3720
Small Business Finance *3 credits (3,0,0)*
Students acquire the knowledge and skills needed to successfully manage the financial affairs of a small business. Topics include the importance effective finance management for a small business; accounting software systems using Sage 50; provincial and federal sales taxes, property taxes, and other forms of business taxation; employment standards; payroll accounting; registering as a proprietorship, partnership, or corporation; business licenses and name registration; insurance; financial statement analysis; pro forma financial statements; working capital management; sources of long-term financing including commercial loans, government lending programs, angel financing and venture capital; banking and advisory services; business valuations; and bankruptcy, reorganization and liquidation.
Prerequisite: FNCE 3120

ENTR 4750
New Venture Creation *3 credits (3,0,0)*
Students develop the skills, values, and attitudes needed for success as an entrepreneur whether starting a new venture from scratch, joining or acquiring an existing business, or creating a new venture inside a larger organization. The primary activity is the development of a comprehensive business plan. Topics include small business entrepreneurs; the business plan; entry modes into small business; writing the business plan; target market, market research, and marketing plan; raising capital and the financial viability of new ventures; operational issues; legal structures and human resource issues; and risk management.
Prerequisite: ENTR 3720, MKTG 2430
Exclusion: TMGT 4120

ENTR 4760
Small Business Management *3 credits (3,0,0)*
Building on New Venture Creation which takes a new small business from the planning stage to start-up, students examine how to successful operate an up-and-running venture. Topics include problem solving and creativity; communicating with people; developing merchandising plans; operations management; marketing management; electronic commerce; managing human resources; financial management; tax management; and managing growth.
Prerequisite: ENTR 4750
Exclusions: Students cannot receive credit for both ENTR 4760 and TMGT 4150

ENVS 5000
Environmental Sciences: Topics and Case Studies
4 credits (3,3,0)
Students explore the current ideologies of the ecological, sociological, and economical foundations of environmental science through case studies. A joint application of scientific and social contexts is used to examine the sustainable management of natural resources, with a strong spatial component at local, regional and global scales. Communication skills are developed to facilitate this cross-disciplinary understanding. Primary literature, group discussions, and independent and group review assignments encourage students to focus on current local, regional, and international environmental issues.
Prerequisite: Graduate student standing

ENVS 5010
Research Methods, Preparation, and Presentation
3 credits (3,0,0)
Provides an overview to scientific method, research preparation, and the styles of written and oral communication used to communicate research, with particular emphasis on graduate theses and peer-reviewed journal articles, but also popular science articles in magazines and newspapers.
Prerequisite: Graduate student standing and permission of the instructor. In special circumstances undergraduate students with fourth-year standing may be allowed to enrol.

ENVS 5020
Advanced Topics in Ecology and Evolution
3 credits (3,0,0)
This course involves: reading and discussion; methodology and data analysis; and critical evaluation, presentation and debate of cutting edge research in ecology and evolution. An emphasis is placed on understanding the integrative approach to environmental science.
Prerequisite: Graduate student standing and permission of the instructor. In special circumstances, undergraduate students with 4th year standing may be allowed to enrol.

ENVS 5030
Advanced Topics in Physical Sciences *3 credits (3,0,0)*
Students undertake an investigation on a specific topic as agreed upon by the faculty member and the student.
Prerequisite: Graduate student standing and permission of the instructor. In special circumstances, undergraduate students with 4th year standing may be allowed to enrol.

ENVS 5040
Advanced Topics in Policy and Management
3 credits (3,0,0)
This course involves: reading and discussion; methodology and data analysis; and critical evaluation, presentation and debate of cutting edge research in policy and management. An emphasis is placed on understanding the integrative approach to environmental science.
Prerequisite: Graduate student standing and permission of the instructor. In special circumstances, undergraduate students with 4th year standing may be allowed to enrol.

ENVS 5480
Directed Studies in Environmental Science
3 credits (0,3,0)
Students undertake an investigation on a specific topic as agreed upon by the faculty member and the student.
Prerequisite: Graduate student standing and permission of the instructor.

ENVS 5990
Masters of Science Thesis *12 credits*
This course requires an original research project conducted by graduate students in the Masters Program in Environmental Studies towards their Masters of Science in Environmental Science. The project is completed under the direction of a faculty member in the Masters Program in Environmental Studies and a Masters Advisory Committee. Students accepted into the Masters Program in Environmental studies register in this course in the Fall and Winter semesters of their first two years in the program.
Prerequisite: Graduate student standing and permission of the instructor

EPHY 1150
Physics for Engineers 1 *3 credits (3,1,0)*
This course is similiar to PHYS 1150: Mechanics and Waves except that Engineering students do not complete the laboratory portion. Students are introduced to and apply calculus to physical concepts. Topics include mechanics, simple harmonic motion, mechanical waves, sound, wave optics and geometric optics.
Prerequisite: Admission to the Engineering program

EPHY 1250
Physics for Engineers 2 (L) *3 credits (3,0,3)*
This course is similar to PHYS 1250: Thermodynamics, Electricity and Magnetism , however, students may complete laboratory work more specifically related to Engineering. Topics include thermodynamics, kinetic theory of gases, electricity and magnetism.
Prerequisite: Admission to the Engineering Program.
Exclusion: Students may only receive credit for one of EPHY 1250 or PHYS 1250.

EPHY 1700
Engineering Mechanics 1 *3 credits (3,1,0)*
This is an introductory course in engineering mechanics. The first part of the course deals with statics and the second part with dynamics of particles and systems of particles.
Prerequisite: Admission to the Engineering Program

EPHY 1990
Introduction to Engineering Measurements (L)
3 credits (2,3,0)
Students are introduced to the measurement and control of physical quantities of interest in engineering and scientific applications. Issues and methods relevant to the real-time measurement and control of parameters such as force, displacement, acceleration, temperature, level, pressure, and flow are considered. Students apply the principles developed in the course during seminars, and in discussions of case studies that are relevant to various engineering or scientific disciplines.

Prerequisite: MATH 1130 or MATH 1140 and PHYS 1150 or EPHY 1150
Corequisite: MATH 1230 or MATH 1240 and PHYS 1250 or EPHY 1250

EPHY 2150
Circuit Analysis (L) *3 credits (4,0,3)*
Students examine and discuss the analysis of linear electrical circuits, network theorems, first and second order circuits, and transfer functions for electrical and computer engineering students.
Prerequisite: Admission to the Electrical-Computer Engineering Year 2 Transfer program
Corequisite: MATH 2110, Exclusion: Note: Credit will not be given for both PHYS 2150 and EPHY 2150

EPHY 2250
Intermediate Electromagnetism *3 credits (3,0,0)*
Students examine and discuss vector algebra, electrostatics, magnetostatics, electric and magnetic fields in matter, and introductory electrodynamics for electrical and computer engineering.
Prerequisite: MATH 2110 and admission to the Electrical-Computer Engineering Year 2 Transfer program
Exclusion: Note: Credit will not be given for both PHYS 2250 and EPHY 2250

EVNT 1100
The World of Events *3 credits (3,0,0)*
Students are introduced to the exciting world of events with a global snapshot of the modern events sector. Students gain insight into various genres and types of events, current trends, technology, management challenges, and best practices in delivering meaningful and memorable events.
Prerequisite: English 12/English 12 First Peoples with a minimum of 73%.(within the last five years), or Level 4 on the composition section of the LPI (within the last two years), or completion of ENGL 0600, or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better

EVNT 2070
Staging Special Events *3 credits (3,0,0)*
Students are introduced to the skills and terminology of the technical aspects of staging festivals, special events, concerts and conventions. Students are exposed to some of the fundamentals of staging including conception, design, delivery, logistics, lighting, and sound systems through a hands-on experience of staging an actual event.
Prerequisite: EVNT 2240 or EVNT 2260

EVNT 2100
Conference Management *3 credits (3,0,0)*
Students develop the knowledge and understanding necessary to plan, organize, manage and evaluate events primarily associated with meetings, conferences, and incentive travel. Students engage in objective setting, team building and program planning. Course topics include management functions such as transportation arrangements, selection of speakers, audio-visual arrangements, and risk management issues in the convention sector.
Prerequisite: EVNT 1100

EVNT 2170
Fundraising for Non-Profit Organizations
3 credits (3,0,0)
Students learn the basic skills needed to conduct a fundraising campaign on behalf of a non-profit organization. In addition to discussions about the origins and evolution of philanthropy, students are exposed to various campaign models, public relations strategies and techniques for motivating volunteers.
Prerequisite: TMGT 1150 or equivalent

EVNT 2190
Destination Marketing Organizations *credits (3,0,0)*
Using a convention and visitors bureau as a model, students learn the role that destination marketing organizations play in attracting all types of tourists to a city, region or country. In addition to learning about key market segments and how to attract them, students consider how destination marketing organizations are structured and funded.
Prerequisite: TMGT 1150

EVNT 2240
Sports Event Management *3 credits (3,0,0)*
The intent of this course is to provide the learner with an overview of the sports tourism industry and to provide them with some of the basic tools needed to successfully plan a sporting event. Learners will be introduced to the sports event and sport tourism industries and be given the opportunity to explore such topics as risk management for sporting events, volunteer management and event sponsorship.
Prerequisite: EVNT 1100

EVNT 2250
Sports Event Marketing *3 credits (3,0,0)*
This course is designed to introduce students to some of the skills necessary to effectively market a sporting event. Students will learn how to develop a plan to go after relevant markets including attendees, competitors and sponsors. In addition, students will be exposed to such business concepts as product development, market opportunities and marketing plans.
Prerequisite: TMGT 1150 or equivalent

EVNT 2260
Managing Festivals and Events *3 credits (3,0,0)*
This course offers the basic skills needed for a business-like approach to planning and managing a well run, high quality special event. The focus of the course is on increasing organizational effectiveness and developing sound managerial strategies. Students explore practical subjects such as fundraising and sponsorship, managing volunteers, strategic planning, risk management, and post-event evaluation.
Prerequisite: EVNT 1100

EVNT 2500
Field Experience *3 credits (340 hours)*
This course offers second-year students the opportunity to connect academic course work with practical application by participating in a multi-day field experience where they have interaction and exposure to many facets of the events industry. Prior to engaging in the field experience, students participate in seminars to develop a deeper understanding of the aspects of the selected tours and visits , as well as to plan their travel itinerary within a budget. Upon return, students complete reflective oral and written assignments.
Prerequisite: Students must be enrolled in the 2nd year of the Events and Conventions Management Diploma or the Sport Events Management Diploma.

EVNT 3800
Event Logistics *3 credits (3,0,0)*
This is the first of two interconnected courses (together with EVNT 4800) that engages the student in a practical and applied manner in the staging of a large-scale special event. The course is organized around the core competencies required of an event professional such as programming, staging, volunteer management, on-site logistics, registration, hospitality and crowd safety. Emphasis is on real-time, real-world experience and learning outcomes, as students work collectively as a team to run an event property.
Prerequisite: Third-year standing in the concentration in Festivals and Events in the Bachelor of Tourism Management

EVNT 4800
Managing the Event Experience *3 credits (3,0,0)*
In this capstone course for the concentration in Festivals and Events in the Bachelor of Tourism Management, students will perform the role of event managers by providing the creative direction, strategic planning, and general oversight for a large-scale special event property . Students will take full responsibility for the successful implementation and realization of their event vision, including completing an extensive evaluation of the outcomes of the event.

EXPL 3000
Live Learn Lead: Global Engagement *3 credits (0,1,4)*
This field school course is designed using an experiential model to integrate leadership and global volunteerism within a blended learning experience. Through face-to-face seminars, discussions and reflective activities, combined with an intensive team volunteer experience abroad - in collaboration with a partner non-government organization, students have the opportunity of developing global competencies and leadership skills needed to address global challenges in an ever-changing world. Through guided reflection students gain: a global cultural awareness and sensitivity; experiential learning and leadership competencies; a stronger understanding of NGO operations; and potential careers in international development.
Prerequisite: Students must have completed a minimum of 30 credits and have a minimum 2.33 Cumulative GPA at the time of application to the course. International students must have met TRU language proficiency requirements for their program of study at the time of application.

FILM 1120
Fundamentals of Camera Operation *3 credits (4,0,0)*
Students are instructed on the basic operation of cameras as they are used in the studio and on location. Camera fundamentals are explored through lectures, demonstrations, and screenings, in addition to practical work with the camera and editing equipment.

FILM 1180
Introduction to Cinematic and Interactive Narrative
3 credits (3,0,0)

This course examines the ways that narrative forms are used across both linear and non-linear modes of expression. Students explore the nature and styles of narrative as well as the difference between time-based and space-based narratives. The impact of interactive interfaces on narrative is also considered.

FILM 2100
Introduction to Film Studies 1890 – 1938
3 credits (3,0,0)
Students examine significant trends and events in film history, between 1890-1938, by exploring film genres, film theory, national cinemas, Hollywood and cultural socialization, and film criticism.
Prerequisite: 2nd year standing

FILM 2200
Introduction to Film Studies 1938 – Present
3 credits (3,0,0)
This course explores significant trends and events throughout the history of film. Students are introduced to the early, exuberant period of film, and then shift focus to study the evolution of the medium; in particular, the relationship between Hollywood and world filmmaking trends. Texts by film theorists, film critics and filmmakers are accompanied by screenings of classic and contemporary films.
Prerequisite: 2nd year standing

FILM 3250
Quebec Cinema in Translation ***3 credits (3,1,0)***
This course provides an introduction to issues and theories relevant to Quebec cinema. Students focus on the representation of Quebec culture and society in major films from 1960 to the present. All films are subtitled or dubbed in English. No prior knowledge of French is required.
Prerequisite: 3rd year standing or permission of the instructor.

FILM 3850
Film Theory ***3 credits (3,0,0)***
Students examine a number of theoretical approaches in cinema that have contributed to the understanding of film studies. Theoretical frameworks are explored, such as film spectatorship, ethnography, psychoanalytic analysis, ideology, feminism, film music and narrative, and postmodernism.
Prerequisite: 3rd year standing or by instructor permission

FILM 4050
Film Noir ***3 credits (3,0,0)***
Students examine the evolution and development of the Film Noir style, from its origins to its various offshoots. Students consider the elements of Noir style and how those styles have been adopted by other genres and media.
Prerequisite: 3rd year standing or permission of the instructor.

FILM 4100
The American Frontier in Film, Television, and Literature
3 credits (3,0,0)
Students examine the cinematic, television and literary West as a reflection of the realities of the American Frontier. The construction of American identities through the myth of 'The West' is explored from multiple critical perspectives such as nationalism, capitalism, post-colonialism, queer theory, and cultural studies.
Prerequisite: 3rd year standing or permission of the instructor.

FILM 4140
Films of the Cold War ***3 credits (3,0,0)***
From within the appropriate historical and ideological contexts, students examine selected films that have become symbolic of the fear and paranoia associated with the Cold War. Students also consider the thematic and stylistic impact the films of the Cold War have had on cinema since the 1980s.
Prerequisite: 3rd-year standing or permission of the instructor.

FNCE 2120
Financial Management ***3 credits (3,0,0)***
Students develop a basic understanding of business finance, which deals with how organizations effectively manage their operating and fixed assets and fund them with an optimal mix of debt and equity financing. Topics include the role of the financial manager; goals of the firm; financial statement analysis; time value of money; stock and bond valuation; risk and return, including the capital asset pricing model; interest rates; capital budgeting; weighted cost of capital; and capital structure.
Prerequisite: ACCT 1000 or ACCT 1210 and ACCT 1220 or ACCT 2210, CMNS 1290, MATH 1070 or equivalent ECON 2320 or equivalent
Exclusion: Note: Students may not receive credit for both FNCE 2120 and FNCE 3120.

FNCE 3120
Finance ***3 credits (3,0,0)***
Students develop a basic understanding of business finance, which deals with how organizations effectively manage their operating and fixed assets and fund them with an optimal mix of debt and equity financing. Topics include the role of the financial manager; goals of the firm; financial statement analysis; the time value of money; stock and bond valuation; risk and return, including the capital asset pricing model; interest rates; capital budgeting; weighted cost of capital; and capital structure.
Prerequisite: ACCT 1000, ACCT 1210, ACCT 1220 or ACCT 2210, CMNS 1290, MATH 1070 or equivalent ECON 2320 or equivalent
Exclusion: Note: This course should be taken by students in the Minor in Management only. Students may not receive credit for both FNCE 3120 and FNCE 2120.

FNCE 3140
Financial Statement Analysis ***3 credits (3,0,0)***
Students read complex financial statements of major corporations and analyze their performance using financial ratios and other tools. Emphasis is on the quality of financial reporting and identifying the warning signs of manipulation. Topics include a review of financial statement analysis; profitability analysis, including revenue recognition, discontinue operations, comprehensive income, earnings per share, special items, accounting changes, and earnings management; liquidity analysis, including working capital, cash flow statements, and contingencies; long-term asset analysis, including accounting for long-term investments, consolidations, fixed assets and fair value accounting, intangibles, and goodwill; long-term debt paying ability analysis, including future income taxes, executive compensation, pensions and other post-employment benefits, long-term liabilities, hybrid securities, and hedging using derivatives; and market valuation.
Prerequisite: C+ or better in FNCE 2120 or FNCE 3120

FNCE 3150
Investments 1 ***3 credits (3,0,0)***
Students examine basic investing and portfolio management from a global perspective. Topics include an introduction to risk and return, diversification, and asset allocation; types of securities; buying and selling securities; mutual funds; the stock market and common stock valuation; stock price behavior, market efficiency, and behavioral finance; interest rates, bond prices, and yields; return, risk, and the security market line; performance evaluation; and risk management, including options and futures.
Prerequisite: C+ or better in FNCE 2120 or FNCE 3120; C+ or better in ECON 2330 or equivalent

FNCE 3170
Investments 2 ***3 credits (3,0,0)***
Building on FNCE 3150: Investments 1, students explore investing at a more advanced level, focusing primarily on fixed income alternatives. Topics include an introduction to fixed income investments, bond price volatility, factors affecting bond yields and the term structure of interest rates, treasury and federal agency securities, municipal securities, residential mortgage loans, agency mortgage pass-through securities, agency collateralized mortgage obligations and stripped mortgage-backed securities, credit default swaps, and an overview of real estate finance.
Prerequisite: FNCE 3150

FNCE 3180
Risk Management and Financial Engineering
3 credits (3,0,0)
Students learn to value the main types of derivative securities and how to effectively utilize them in risk management, asset speculation, and financial engineering. Topics include an introduction to the forward and futures markets, mechanics of futures and forward markets, determination of futures and forward prices, interest rates, swaps, mechanics of options markets, trading strategies involving options, valuing options using the Black-Scholes model, credit derivatives, and energy and commodity derivatives.
Prerequisite: FNCE 3150

FNCE 4110
Advanced Financial Management for Accountants
3 credits (3,0,0)
Building on either FNCE 2120: Financial Management or FNCE 3120: Finance, students majoring in accounting further develop the knowledge and skills in business finance required for admission to the Chartered Professional Accountant program. Topics include dividend policy; advanced capital budgeting; maturity matching of assets and liabilities; short- and long-term financial planning; working capital management; sources of long-term financing; business valuation; mergers and acquisitions and corporate restructuring; bankruptcy, liquidation, and reorganization; and risk management.
Prerequisite: FNCE 2120 or grade C+ or better FNCE 3120 grade C+ or better ECON 2330 or equivalent
Exclusion: Note: Students cannot receive credit for FNCE 4110 and either FNCE 4120 or FNCE 4130.

FNCE 4120

Business Valuation and Restructuring ***3 credits (3,0,0)***

Students learn to value a business using commonly applied industry techniques and examine how to best restructure a company to cope with financial distress or to optimize operational or stock market performance. Topics include advanced cost of capital; business valuation techniques, such as income approaches, market multiples, and asset-based approaches; mergers and acquisitions; financial distress, bankruptcy, reorganization, and liquidations; divestitures, spin-offs, split-offs, split-ups, and tracking shares; and private equity, including angel, venture, and mezzanine financing, and investing in troubled firms.

Prerequisite: FNCE 2120 or grade C+ or better FNCE 3120 grade C+ or better ECON 2330 or equivalent

Exclusion: Note: Students cannot receive credit for FNCE 4110 and FNCE 4120.

FNCE 4130

Advanced Financial Management ***3 credits (3,0,0)***

Building on either FNCE 2120: Financial Management or FNCE 3120: Finance, students further develop their knowledge and skills in business finance. Topics include corporate governance and executive compensation, matching the maturities of assets and liabilities, pro forma financial statements, capital budgeting, incorporating risk in capital budgeting decisions, sustainable growth, sources of permanent financing, working capital management, capital structure and debt policy, and dividend policy.

Prerequisite: FNCE 2120 or grade C+ or better FNCE 3120 grade C+ or better ECON 2330

Exclusion: Students cannot receive credit for FNCE 4110 and FNCE 4130.

FNCE 4140

Personal Financial Management ***3 credits (3,0,0)***

Students acquire skills to identify, structure, and resolve financial planning problems. Multiple analytical tools and tax planning strategies are used in addressing various financial planning issues. Topics include an overview of a financial plan; applying time of money concepts; planning with personal financial instruments; banking services and money management; assessing, managing, and securing credit; personal loans; purchasing and financing a home; auto and homeowner's insurance; health and life insurance; investing fundamentals; investing in stocks, bonds, and mutual funds; retirement planning; and estate planning.

Prerequisite: BLAW 2910, FNCE 3150, ACCT 3220 or ACCT 3260

FNCE 4160

Portfolio Management ***3 credits (3,0,0)***

Students learn to design and implement an investment policy statement for an individual or institutional investor that establishes their financial objectives, risk tolerances, constraints, and investment and monitoring policies. Topics include setting investment objectives and policies, ethical standards and fiduciary duties, diversification and asset allocation, capital markets and market efficiency, equity portfolio management, fixed-income portfolio management, alternative investments portfolio management, evaluating portfolio performance, and monitoring and rebalancing portfolios.

Prerequisite: FNCE 3170, FNCE 3180

FNCE 4180

International Financial Management ***3 credits (3,0,0)***

Students examine the international aspects of corporate finance and investing. Topics include the international monetary system, balance of payments, the market for foreign exchange, international parity relationships and forecasting foreign exchange rates, international banking and money markets, international bond and equity market, futures and options on foreign exchanges, interest rate and currency swaps, international portfolio investment, and management of exposure.

Prerequisite: FNCE 3170, FNCE 3180

FNCE 4190

Financial Institutions Management ***3 credits (3,0,0)***

Students explore the different financial intermediaries in our economy, the financial risks they are exposed to, and how these risks are measured and managed. Topics include the types of financial institutions, including deposit-taking institutions, insurance companies, securities firms, investment banks, mutual funds, hedge funds, pension funds, and finance companies; regulation of the financial industry; measuring risk, including interest rate risk, market risk, credit risk, liquidity risk, off-balance sheet risk, foreign exchange risk, sovereign risk, and technology and other operational risks; managing risk through the use of derivatives, loan sales, and securitization; and managing risk through deposit insurance and other liability guarantees and capital adequacy standards.

Prerequisite: FNCE 3170, FNCE 3180

FNLG 1000

Intro First Nations Language 1 ***3 credits (3,0,0)***

This course will introduce students to the First Nations language. Emphasis will be placed on developing listening and speaking skills, conversational ability, and knowledge of grammatical structures. Little or no prior knowledge of the language is the expected entry level for this course.

Prerequisite: Admission to the DSTC program or Admission to TRU

Corequisite: FNLG 1010 recommended

FNLG 1010

First Nations Language Immersion 1 ***3 credits (3,0,0)***

This course is designed to immerse learners in the First Nations language to develop language proficiency. DSTC students will be required to actively participate in First Nations language immersion.

Prerequisite: Admission to the DSTC program

Corequisite: FNLG 1000

FNLG 1100

Introduction to First Nations Language 2

3 credits (3,0,0)

This course will build the student's abilities developed in FNLG 1000 to gain a greater understanding of the grammatical structures and language analysis methodologies while continuing to expand their vocabulary of the First Nations language.

Prerequisite: Successful completion of FNLG 1000 or permission of the instructor and DSTC Program Coordinator

Corequisite: FNLG 1110 recommended

FNLG 1110

First Nations Language Immersion 2 ***3 credits (3,0,0)***

This course will permit students to build on their abilities developed in FNLG 1010 and FNLG 1100 to gain a greater understanding of the grammatical structures, while continuing to expand their vocabulary of the First Nations language.

Prerequisite: FNLG 1010 or permission of the instructor and DSTC Program Coordinator

Corequisite: FNLG 1100

FNLG 2000

Language Structure/Analysis 1 ***3 credits (3,0,0)***

This course will allow students to build on their abilities developed in Year 1 to gain an enhanced understanding of the grammatical structures and language analysis methodologies while continuing to expand their vocabulary of the First nations language.

Prerequisite: FNLG 1000 and FNLG 1100 or permission of the instructor and the DSTC Program Coordinator

Corequisite: FNLG 2010 is recommended

FNLG 2010

First Nations Language Immersion 3 ***3 credits (3,0,0)***

This course will, through continued Immersion, permit students to build on their abilities developed in Year 1 to gain an enhanced understanding of grammatical structures, while continuing to expand their vocabulary of the First Nations language.

Prerequisite: Successful completion of Year 1 of the DSTC program or permission of the instructor and Program Coordinator

Corequisite: FNLG 2000

FNLG 2100

Language Structure & Analysis 1 ***3 credits (3,0,0)***

This course will permit students to continue to build on their abilities developed in FNLG 2010 to gain an enhanced understanding of the grammatical structures and language analysis methodologies while continuing to expand their vocabulary of the First Nations language.

Prerequisite: FNLG 2000 and FNLG 2010 or permission of the instructor and Program Coordinator

Corequisite: FNLG 2110 is recommended

FNLG 2110

First Nations Language Immersion 4 ***3 credits (3,0,0)***

This course will provide additional opportunities for students to be immersed in the First Nations language, gaining greater proficiency in language usage and fluency.

Prerequisite: FNLG 2000 and FNLG 2010 or permission of the instructor and the DSTC Program Coordinator

Corequisite: FNLG 2100

FNLG 3000

First Nations Language Immersion 5 ***3 credits (3,0,0)***

This course will build on previous First Nations language courses to enable students to gain greater proficiency, conversational ability, literary skills, and an advanced knowledge of oral traditions.

Prerequisite: Successful completion of Year 2 of the DSTC program including FNLG 2110 or permission of the instructor and Program Coordinator

FNLG 3100

First Nations Language Immersion 6 ***3 credits (3,0,0)***

This course will provide opportunities for students to continue to be immersed in the First Nations language, gaining greater fluency, conversational ability, literary skills, and an advanced knowledge of oral traditions.

Prerequisite: Successful completion of FNLG 3000 or permission of the instructor and Program Coordinator

FNST 2200

First Nations Oral Traditions ***3 credits (3,0,0)***

Students are provided opportunities to enhance their understanding and exposure to First Nations oral traditions from a continued study of language through speaking and song. Students examine traditional and contemporary orality of the First Nations language.

Prerequisite: Successful completion of Year 1 of the the Developmental Standard Certificate (DSTC) program or permission of the instructor and the DSTC program coordinator

FNST 2300

First Nations Language and World View ***3 credits (3,0,0)***

Students focus on the First Nations world view and its relationship to language, and develop an understanding of what a world view is and what beliefs and belief systems make up a world view.

Prerequisite: FNST 2200 or permission of the instructor and the Developmental Standard Certificate (DSTC) program coordinator

FREN 1000

Introductory French 1 (L) ***3 credits (3,0,1)***

This course enables beginners to develop cultural knowledge and communicative skills in speaking, listening, reading and writing in modern standard French. Upon successful completion of this course, students are expected to demonstrate a CEFR A1 level of proficiency.

Exclusion: Students who have completed French in Grade 11 or equivalent within the last two years may not take this course for credit unless approved by Modern Languages.

FREN 1010

Introductory French 2 (L) ***3 credits (3,0,1)***

Building on the skills acquired in FREN 1000: Introductory French 1, the focus of this beginners' course is on the development of communicative skills in speaking, listening, reading and writing as well as on the culture of the French speaking world. Upon successful completion of this course, students are expected to demonstrate a CEFR A1 level of proficiency.

Prerequisite: FREN 1000 or equivalent

Exclusion: Students who have completed French in Grade 11 or equivalent within the last two years may not take this course for credit unless approved by Modern Languages.

FREN 1040

French for Teachers (L) ***3 credits (3,0,1)***

This course is designed to build teacher confidence in modeling spoken French and making sense of authentic materials in the 5-7 classroom. Focus is on immediate classroom needs in pronunciation, reading skills, vocabulary building, and culture.

Exclusion: Although designed primarily for prospective or current educators, this course is open to any students who have not taken French beyond the Grade 11 level. It does not count towards the Bachelor of Arts language requirement. Students may take FREN 1050 to gain the level required to proceed to FREN 1100.

FREN 1050

Accelerated Beginners French (L) ***3 credits (3,0,1)***

This course is designed for learners of French who have basic CEFR A1 skills but have not formally studied French for several years. It is offered in the winter semester only. Enrollment is subject to Modern Languages approval. Upon successful completion of this course, students are expected to demonstrate a CEFR A1+ level of proficiency. Note: This course counts towards the Bachelor of Arts language requirement. Upon completion of FREN 1050, students are ready to enter FREN 1100.

Prerequisite: Modern Languages approval

Exclusion: This course is not open to secondary school French immersion students.

FREN 1100

Intermediate French 1 (L) ***3 credits (3,0,1)***

Students further develop their communicative skills in speaking, listening, reading and writing, and explore language from a variety of different areas, registers, and periods. Upon successful completion of this course, students are expected to demonstrate a low CEFR A2 level of proficiency.

Prerequisite: FREN 1010 or equivalent

FREN 1110

1st Year University French 1 (L) ***3 credits (3,0,1)***

This course is designed to consolidate students' French reception, interaction and production skills. Students are also introduced to aspects of 20th-century French and French-Canadian literature. Class discussion plays a major role in this course. Upon successful completion of this course, students are expected to demonstrate a CEFR A2+ level of proficiency.

Prerequisite: French 12 or FREN 1200 or equivalent.

Exclusion: Students with Grade 12 immersion French may not take this course for credit unless approved by Modern Languages.

FREN 1200

Intermediate French 2 (L) ***3 credits (3,0,1)***

Students solidify their previous skills in French and extend their knowledge by studying increasingly advanced language structures. Upon successful completion of this course, students are expected to demonstrate an intermediate CEFR A2 level of proficiency.

Prerequisite: FREN 1100 or equivalent.

FREN 1210

1st Year University French 2 (L) ***3 credits (3,0,1)***

Students are prepared for using their language skills to interact with native speakers in most daily situations. Upon successful completion of this course, students are expected to demonstrate a CEFR A2+-B1 level of proficiency.

Prerequisite: FREN 1110 or equivalent

Exclusion: Students with Grade 12 immersion French may not take this course for credit unless approved by Modern Languages.

FREN 2050

Oral French Practice 1 (L) ***3 credits (3,0,1)***

This course, conducted in French, is designed to enhance oral communicative skills. Students review grammar, while an expansion of the vocabulary is emphasized. A variety of activities are aimed at enabling students to progress to a superior level of fluency. Upon successful completion of this course, students are expected to demonstrate a CEFR B1+ - B2 level of proficiency.

Prerequisite: FREN 1210 or equivalent. This course is open to students who have completed Grade 12 French immersion.

FREN 2060

Oral French Practice 2 (L) ***3 credits (3,0,1)***

This course is a continuation of FREN 2050: Oral French Practice 1. Upon successful completion, students are expected to demonstrate a CEFR B2 level of proficiency. .

Prerequisite: FREN 2050 or equivalent This course is open to students who have completed Grade 12 French immersion.

FREN 2110

Studies in French Language and Composition 1 (L)

3 credits (3,0,1)

Students focus on composition and oral practice based on literary passages and contemporary readings from the Francophone world. This course is conducted in French. Upon successful completion, students are expected to demonstrate a CEFR B1+ - B2 level of proficiency.

Prerequisite: FREN 1210 or equivalent. This course is open to students who have completed Grade 12 French immersion.

FREN 2120

French Literature 1 (L) ***3 credits (3,0,1)***

This course, conducted in French, surveys significant authors and works from the Moyen Age through the 17th century. Class discussion plays a major role in this course.

Prerequisite: FREN 1210 or equivalent. This course is open to students who have completed Grade 12 French immersion.

FREN 2210

Studies in French Language and Composition 2 (L)

3 credits (3,0,1)

Students hone their composition skills through the close study of literary texts. The course is conducted in French. Upon successful completion of this course, students are expected to demonstrate a CEFR B2-B2+ level of proficiency.

Prerequisite: FREN 2110 or equivalent This course is open to students who have completed Grade 12 French immersion.

FREN 2220

French Literature 2 (L) ***3 credits (3,0,1)***

This course is a continuation of FREN 2120: French Literature 1. Students continue to survey significant French authors and works. Class discussion plays a major role in this course, and the course is conducted in French.

Prerequisite: FREN 2120 or equivalent

FREN 3250
Quebec Cinema in Translation *3 credits (3,1,0)*
Students are introduced to issues and theories relevant to Quebec cinema while focusing on the representation of Quebec culture and society in major films from 1960 to the present. All films are subtitled or dubbed in English, and the course is taught in English. Note: This course is cross-listed with CNST 3250 and FILM 3250
Prerequisite: 3rd year standing and any two of ENGL 1100 or ENGL 1110 or ENGL 1210 or equivalent.
Recommended: CNST 2000

FREN 3260
Quebec Literature in Translation *3 credits (3,0,0)*
Students are provided an overview of issues and theories relevant to Quebec fiction, while focussing on a chronological study of works from the major literary movements in Quebec, including the roman du terroir, the quiet revolution, feminist writing, immigrant literature and the contemporary novel of the 1990s and beyond. Works are read in translation. The course is taught in English. Note: This course is cross-listed with CNST 3260 and ENGL 3260
Prerequisite: 3rd year standing and any two of ENGL 1100 or ENGL 1110 or ENGL 1210 or equivalent.
Recommended: CNST 3260

FREN 3520
Studies in French Language and Style *6 credits (3,0,0)(3,0,0)*
Students focus on advanced composition, syntax, versification, translation and oral practice. The course is conducted in French. Upon successful completion of this course, students are expected to demonstrate a CEFR C1-C1+ level of proficiency.
Prerequisite: FREN 2210 or equivalent.

FREN 4150
Selected Topics in French and Francophone Literature *3 credits (3,0,0)*
Students explore selected topics in French and Francophone literatures. Course content varies from year to year and may be offered as directed studies. This course is conducted in French. Students may take this course up to four times, with different course titles, for a total of 12 credits.
Prerequisite: FREN 2220 or equivalent

FREN 4160
French-Canadian Literature *6 credits (3,0,0)(3,0,0)*
Students read and discuss representative French-Canadian works from the 19th century to the present. This course may be offered as a directed studies course.
Prerequisite: Modern Languages approval

FREN 4520
Advance Studies and Practice in French Language and Style *6 credits (3,0,0)(3,0,0)*
This course is a continuation of French 3520: Studies in French Language and Style as well as a new step forward. Students examine the language at an advanced level, from both a descriptive and a practical point of view, with a focus on the relationship between grammatical structures and stylistic effects. Topics include sentence structures and their variants, stylistic aspects of vocabulary, patterns of emphasis, and levels of language from literary tones to colloquial speech. Students also consider the practice and techniques of advanced translation from English to French.
Prerequisite: FREN 3520

GASF 1000
Gas Fitter Apprentice Level 1
Students are introduced to theory and gain hands-on lab experience in the following topics: Safe work practices, proper use of tools and equipment, organizing work and to prepare and assemble plumbing components.

GASF 2000
Gas Fitter Apprentice Level 2
Students are introduced to theory and gain hands-on lab experience in the following topics: organizing work, installing and servicing fuel systems, installing venting and air supplies, installing and servicing gas equipment and installing and servicing controls and safeguards.

GASF 3000
Class "A" Gas Fitter
This course prepares students to install, test, maintain and repair propane/natural gas lines, appliances, equipment and accessories in residential and commercial premises. The holder of a Gasfitter - (Class A) is involved in the installation or alteration of any gas system 400,000 BTU's and greater, except vehicle fuel systems under the appropriate permit.
Prerequisite: Must have held a class "B" gas fitter's certificate of qualification for a minimum of 2 years.

GEOG 1000
Planet Earth: An Introduction to Earth System Science (L) *3 credits (3,0,2)*
Students are introduced to earth system science by examining the interactions among the atmosphere, biosphere, lithosphere, hydrosphere, and human activity. Topics include plate tectonics; earthquakes and tsunamis; volcanos; the rock cycle; mass wasting (including landslides); weathering; and soils. Glaciers, permafrost, and Karst landscapes (including caves) are explored, in additiona to hydrology - the study of occurrence, distribution and movement of water at or near the surface of the earth. Laboratory instruction includes landform identification using topographic maps; co-ordinate systems (latitude and longitude, UTM); map scale; basic surveying, including Global Positioning Systems (GPS); and graphing. Students discuss the benefits of Geographic Information Systems (GIS) and remote sensing technologies.

GEOG 1010
People, Places and Landscapes: Introducing Human Geography *3 credits (3,0,0)*
This course is an introduction to human geography. Topics covered include: cultural; historical; economic; political; urban; social; and regional geography. Basic geographic concepts and cartographic methods are examined. The spatial behaviour of people, their cultural diversity, and the landscape manifestations of their activities are explored in a variety of settings. Case studies from developing and industrialized nations are used to illustrate the evolution from traditional to modern societies.

GEOG 1100
Environmental Studies: Human Interaction with the Natural Environment *3 credits (2,1,0)*
This course is an introduction to the environment, with emphasis on a geographical approach. Topics of study include: environmental worldviews; history of the environmental movement; ecosystems; energy principles; human population dynamics; patterns of resource use, environmental issues and environmental ethics.

GEOG 1110
World Regional Geography *3 credits (3,0,0)*
This course applies the core concepts of geography to interpret both the variety and distinctiveness of places and regions, and to their relationships, connections, and integration. Students are introduced to the academic discipline of geography as well as its professional applications by explaining geographic approaches to social issues. Students develop an appreciation for geographic thinking, and a greater understanding of the complex modern world.

GEOG 2020
Weather, Climate and Global Environmental Change (L) *3 credits (3,0,2)*
This science laboratory course provides an introduction to: the basic principles and processes of meteorology and climatology; and the study of weather and climate. Topics include: the composition and structure of the atmosphere; solar radiation and the seasons; energy balances and temperature; atmospheric pressure and wind; atmospheric moisture and cloud development; precipitation; atmospheric circulation; air masses and fronts; thunderstorms and tornadoes; and cyclonic storms. In addition, students discuss climate classification systems, and examine the potential causes of past and predicted future global climates.

GEOG 2050
Introduction to Hydrology (L) *3 credits (3,0,2)*
This physical geography course introduces students to hydrologic systems and processes, with an emphasis on: the global hydrologic cycle; hydrologic processes in river basins and related measurement techniques; and elementary hydrologic modelling. The course also examines the potential impact that land use (such as irrigation and urbanization), climate change and politics may have on water resources.
Prerequisite: GEOG 1000 or GEOL 1110

GEOG 2110
Geography of the Economic Landscape *3 credits (2,1,0)*
A geographic view of economic activity is offered in this course. Students examine economic interrelationships, the character of various economic regions, and general spatial organization, on a local, regional and global scale.

GEOG 2120
Geography of Urban and Regional Planning *3 credits (2,1,0)*

This course introduces the themes and challenges encountered in the field of Urban and Regional Planning, while recognizing the increasing interdisciplinary nature of this area of study. Students examine: urbanization as a historic and rapidly continuing process; the growth of functional regions and patterns of urban settlement; the dynamics of urban structure and land use; and critical planning issues that face developed and developing countries.

GEOG 2220
Regional Geography of Canada ***3 credits (2,1,0)***
The physical environment and cultural setting of Canada, with a particular focus on human use of the land as determined by its physical nature, is the basis for study of the regional geography of Canada. Emphasis is placed on a study of Canada east of the Rocky Mountains. Note: GEOG 2230 deals exclusively with the geography of British Columbia.

GEOG 2230
The Regional Geography of British Columbia and Yukon
3 credits (2,1,0)
Students are introduced to the physical and human geography of British Columbia and examine settlement, resource development and transportation in the Western Cordillera. Topics involving the changing perception of rural British Columbia's landscape and environment are discussed.

GEOG 2400
Geographic Thought ***3 credits (3,0,0)***
This introductory geographic theory course provides students with a critical perspective on the nature and development of geographic knowledge and its application in the key subdisciplines of human geography, physical geography, and environmental studies.
Prerequisite: GEOG 1000 andone of GEOG 1010 or GEOG 1110

GEOG 2700
Introduction to Geographical Analysis
3 credits (3,0,2)
This computer-based laboratory course introduces students to quantitative methods used for geographic analysis. Students learn the fundamentals of statistical analysis of quantitative and qualitative variables and how to use computer software to perform these analyses. At the end of the course, students understand how to apply quantitative methods to answer questions of geographic interest, and have developed a working knowledge of the most commonly used statistical software in quantitative geography.
Prerequisite: GEOG 1000 and GEOG 1010, GEOG 1110

GEOG 2740
Geodesy and the Visualization of Geographic Data (L)
3 credits (2,1,2)
This computer-based laboratory course introduces students to geodesy and geoinformatics, topics of study commonly referred to collectively as geomatics. Students will learn the use of geographic and map coordinates to define the location of geographic phenomena on the Earth, and how to use geographic information systems (GISs) to create and visualize geographic data. Instruction is based on the ArcGIS software package and emphasis will be given to the development of a working knowledge of this GIS. Labs will provide hands-on experience with ArcGIS towards the goal of developing marketable skills in computer-aided cartography.
Prerequisite: GEOG 1000 and GEOG 1010 or GEOG 1110

GEOG 2750
Geographic Information Systems (L) ***4 credits (2,3,3)***
This course is an introduction to basic concepts and applications of geographic information systems (GIS). Topics include: spatial analysis systems; applications of GIS technology, using micro and mini computers; and natural resource systems.
Note: This course is identical to NRSC 2230
Prerequisite: PC computer skills.

GEOG 3040
Environmental Climatology and Meteorology (L)
3 credits (3,0,2)
In this science laboratory course, students examine: the principles and processes of surface and near-surface climatology and meteorology; energy and plant water balance concepts; vertical and horizontal air and vapour movements; microclimates, urban heat islands; the meteorology of atmospheric pollution; and the interrelationships among plants, soils, climates and the biosphere.
Prerequisite: GEOG 2020 or permission of the instructor.

GEOG 3050
Physical Hydrology (L) ***3 credits (3,0,2)***
This physical geography course examines the physical processes that determine the quantitative importance and spatiotemporal variability associated with the occurrence, distribution and movement of water on or near the Earth's surface. In addition to a theoretical treatment of the subject, students are introduced to measurement techniques used in the field and to a variety of hydrologic models. Numerical problem solving exercises and field work are important components of the course.
Prerequisite: GEOG 2050

GEOG 3060
Groundwater Hydrology (L) ***3 credits (3,0,2)***
This science course deals with distribution and movement of water in the phreatic zone. Topics covered include properties of aquifers, principles of groundwater flow, groundwater flow to wells, soil moisture and groundwater recharge, regional groundwater flow, groundwater chemistry and contamination, groundwater development and management, and groundwater modeling.
Prerequisite: GEOG 2050, GEOG 2700, or permission of the instructor

GEOG 3070
Biogeography ***3 credits (2,1,0)***
This physical geography course examines the physical, biological and chemical processes and constraints that determine contemporary spatial and temporal patterns in life on Earth. In addition, historical patterns are examined with an emphasis placed on the impact plate tectonics and late Tertiary and Quaternary climatic changes had on plant and animal distributions. Other topics discussed in this course include mass extinctions, biodiversity, and the possible biogeographic consequences of anthropogenically induced global climatic change.
Recommended: At least one of GEOG 1000 or GEOG 2020 or BIOL 1210

GEOG 3080
Geomorphology (L) ***3 credits (3,0,2)***
This course examines geomorphic processes, interrelationship of processes, landforms, materials and time. Practical problems in Science and Applied Science that relate to geomorphic processes are discussed in lectures and methods of investigation and analysis are introduced in the laboratory sessions.
Prerequisite: GEOG 1000 or GEOG 1110
Exclusion: This course is identical to GEOL 3190

GEOG 3100
Environment and Resources ***3 credits (2,1,0)***
Students discuss concepts of environment and resource, and the role of physical geography in understanding the interaction of humans and the environment. This course also provides an introduction to the management of environment-resource systems.
Prerequisite: GEOG 1100 and one of GEOG 1000 or GEOG 2020

GEOG 3200
Introduction to Cultural Geography ***3 credits (2,1,0)***
Students explore the history and methods of cultural geography. Aspects of contemporary land uses, landscapes, and communities are considered in relation to traditions, values, economies, and technology.
Prerequisite: 3rd year standing

GEOG 3210
Historical Geography of Urbanization ***3 credits (2,1,0)***
Students explore geographic perspectives on the growth of urban regions; pre-industrial cities, urban growth during industrialization, and anti-urban reaction.
Prerequisite: GEOG 1010 or GEOG 2120, GEOG 1110

GEOG 3230
Geographies of Gender ***3 credits (2,1,0)***
This course is an introduction to gender and feminist geography. The course explores gender identities and biases in everyday spaces and activities at a variety of geographic scales, and examines the intersection of gender, race, and class to illustrate the complexity of social categories.
Prerequisite: GEOG 1010 and GEOG 1110 or permission of the instructor.

GEOG 3270
Historical Geography of Canada 1: Canada Before 1850
3 credits (2,1,0)
This course is a study of Canada from the beginning of European contact to the mid-19th century, with an emphasis on the changing geographical patterns of settlement, economy, and culture.

GEOG 3280
Historical Geography of Canada 2: Canada After 1850
3 credits (2,1,0)

This course is a study of the spread of settlement, the growth of towns, and the development of economic and cultural regions in Canada - a Nation increasingly influenced by industrialization.

GEOG 3500
Introduction to Urban Geography *3 credits (2,1,0)*
Students explore city systems and theories of urban location; internal spatial structure of the city; commercial and industrial location; social areas; mobility patterns; neighbourhood and land use change; urban trends, land use problems; and public policy.
Prerequisite: Geography 1010 or Geography 1110 or GEOG 2120

GEOG 3510
Rural Geography *3 credits (3,0,0)*
This course focuses on themes in rural geography, such as land use issues, small settlements and society, agriculture, tourism and other industries, rural administration, service provision, and the effects of socio-economic processes including urbanization and globalization.
Prerequisite: GEOG 1010 or GEOG 1110

GEOG 3550
Geography of the Rural-Urban Fringe *3 credits (3,0,0)*
This human-geography course examines landscape change and management at the edge of cities. Examples will be taken from large and small cities in Canada and around the world.
Prerequisite: GEOG 1010 or GEOG 1110

GEOG 3570
Introduction to Social and Behavioural Geography *3 credits (2,1,0)*
Students study the development of social and behavioural geography, focussing on topics such as environmental perception and microgeography, and approaching these topics from institutional and interactionist perspectives.
Prerequisite: Geography 1010 or Geography 1110 or permission of the instructor

GEOG 3610
Themes in Economic Geography *3 credits (3,1,0)*
This course explores the history and methods of economic geography. Location of resource industries, manufacturing, and service activities with an emphasis on British Columbia in its North American world setting.
Prerequisite: GEOG 1010 or GEOG 1110 or permission of the instructor.

GEOG 3630
The Geography of Resource Industries *3 credits (2,1,0)*
This course offers a geographical analysis of selected resource industries of importance to Canada. Each year a selection is made from the agriculture, forestry, fishing, mining, energy, and recreation sectors, and explored within international and national contexts.
Prerequisite: GEOG 1010 or GEOG 1110 or GEOG 2110 or permission of the instructor

GEOG 3650
Geography of Consumption *3 credits (3,0,0)*
This course examines consumption as a cultural and economic practice, how it has formed landscapes, and its impact on our growing understanding of ecosystems and social systems. It examines spatial patterns of purchasing and consuming goods and services, changing ideas about the landscape as a good and a service, and the ethical and practical questions raised by the social and environmental impact of increased consumption.
Prerequisite: GEOG 1100 or GEOG 1110

GEOG 3700
Field Course in Geography *3 credits (0,3,0)*
The topic(s) and focus for this course is announced by the Department a year in advance.
Prerequisite: A relevant core course or courses, or permission of the instructor.
Prerequisites are announced with the course focus and topic(s).
Recommended: GEOG 2700

GEOG 3750
Applying Geographic Info Systems (L) *3 credits (2,0,2)*
This computer-based laboratory course addresses the creation, management, and application of geo-data. The focus of the course is on the utility of Geographic Information Systems in problem solving and decision-making in real world settings. Labs assist in developing marketable skills in analytical procedures and cartographic output.
Required Lab: GEOG 3750L
Prerequisite: One of GEOG 2740 or GEOG 2750 or NRSC 2230, and GEOG 2700 or one of the following introductory statistics courses: BIOL 3000, ECON 2320, STAT 1200, PSYC 2100, SOCI 2710, STAT 2000 or written permission of the instructor.

GEOG 3770
GIS for Water Resources Systems Analysis (L) *2 credits (2,0,2)*
Recent advances in environmental sensing technologies have increased the amount of data available to support water resources analyses. This explosion in available data necessitates the use of Geographic Information Systems (GIS) to integrate, preprocess, and analyze these datasets. This course will explore ArcGIS-based tools for performing water resources analyses, including Web-services for data acquisition; watershed delineation; river network identification; infiltration modeling; analysis of water budgets; runoff modelling; and channel routing. At the end of the course, the students will have a firm grounding in the application of GIS for modelling of water resources systems.
Prerequisite: GEOG 2050 and GEOG 2740

GEOG 3900
Geography of Selected Regions *3 credits (2,1,0)*
This course offers a geographical analysis of selected regions not regularly included in the Department's offerings in regional geography (such as Western Europe, Oceania and East Asia).

GEOG 3990
Special Topics in Geography and Environmental Studies *3 credits (3,1,3)*
This is a special topics course in geography. The subject matter varies from semester to semester depending upon the interest of faculty and students. Vectoring is determined as per policy ED-8-0.
Prerequisite: 3rd year standing

GEOG 4050
Fluvial Geomorphology (L) *3 credits (3,0,2)*
Moving water on the Earth's surface results in the creation of distinct geomorphic landscapes. This physical geography course examines the principles of sediment entrainment, transport and deposition, fluvial flow, drainage basin form and processes, and an analysis of fluvial landforms. Examples are drawn from the Kamloops area, as well as from other regions in British Columbia, Canada, and the world.
Prerequisite: GEOG 2050 or GEOG 3080 or permission of the instructor.

GEOG 4060
Advances in Hydrology *3 credits (0,3,0)*
This seminar course explores key advances in hydrological science with an emphasis on forest hydrology. The historical development of our current understanding of the physical processes involved in the movement and storage of water in vegetated environments is covered as are future research directions. In addition to physical processes, where appropriate, advances in measurement and modelling methodologies are also examined. Key topics covered include advances in our understanding of rainfall, snow, throughfall and stemflow, evaporation and transpiration, infiltration, soil moisture redistribution, and hillslope hydrology processes. Additionally, the hydrologic impacts of forest harvesting, wildfire, insect infestations, and global climatic change will also be examined.
Prerequisite: GEOG 3050 or permission of the instructor.

GEOG 4100
Sustainable Rural Systems *3 credits (3,0,0)*
This course marries the subject areas of rural geography and sustainability in case study analyses of a country- for example, Japan, Canada, China, or Mexico-- or a global regionfor example, the Asia-Pacific or Africa -- depending upon instructor expertise. It examines the transformation of rural areas owing to urbanization, globalization and other social forces. The course examines subsequent problems, such as rural depopulation and the policies to keep these areas socially, economically, and ecologically sustainable.
Prerequisite: 60 academic credit hours including GEOG 1010 or GEOG 1110

GEOG 4230
Attitudes Toward the Environment *3 credits (2,1,0)*
Students examine the cultural attitudes that have influenced land use and environmental change, in the past and present.
Prerequisite: GEOG 3100 or written permission of instructor

GEOG 4240
Geography of Tourism *3 credits (2,1,0)*
Students examine the geographical topics in tourism, including: tourism as a global and local phenomenon; historical changes in leisure and development of tourism in western,

industrializing economies; tourism in the Canadian economy, past and present; current relationships between tourism; and cultural values and economic systems.
Prerequisite: GEOG 3200 or GEOG 3570 or GEOG 3610 or enrolment in the Bachelor of Tourism Management program.

GEOG 4480
Directed Studies in Geography and Environmental Studies
3 credits

This course is designed to allow fourth year students to undertake an investigation on a specific chosen topic, agreed upon by the faculty member and the student.
Prerequisite: Permission of the supervising faculty member and the department Chair.

GEOG 4500
Urban Analysis *3 credits (2,1,0)*

This course offers a geographical analysis of selected problems caused by the internal structure of cities and urban systems.
Prerequisite: GEOG 3500 or permission of the instructor.

GEOG 4740
Spatiotemporal Analysis *3 credits (2,1,0)*

A central theme in geography is the study of spatial and temporal variations of the phenomena which make up natural and human-dominated environments. This course delves into statistical methods for analyzing phenomena that are correlated in space and/or time. Practical applications of theoretical concepts will be explored through the use of R, a statistical computing software. Topics include the characterization of temporal processes; basic time series models (AR, MA, ARMA, ARIMA); characterization of spatial processes; geostatistics (Kriging and conditional simulation); spatial point processes; visualization of spatiotemporal data; spatiotemporal covariance functions; and spatiotemporal Kriging. At the end of the course, the students will have a firm grounding in the theory of spa~otemporal statistics and understand how to apply these methods to answer questions of geographic interest.
Prerequisite: GEOG 2700

GEOG 4750
Advances in Geomatics *3 credits (0,3,0)*

As a technology-based discipline, the field of geomatics is rapidly changing in response to technological advancements in remote sensing, computing hardware, wireless communication, programmatic abstractions, and spatiotemporal models. Through the reading of recently published articles and the replication of key results, this fourth year seminar class explores recent advances in the state-of-the-science of geomatics. Key topics include real-time access to environmental observations; free-and-open-source GIS; GIS-based decision support systems; Web-enablement; environmental data fusion; decentralized and cloud-based tools for geomatics.

GEOG 4800
Environmental Issues and Policies *3 credits (2,1,0)*

Using a geographical analysis of environmental issues and policies, this course relates land use, hazards and resource allocation to changing demand, technology, institutions, policies, and social values. An emphasis is placed on issues and policies relevant to small cities and adjacent rural areas.
Prerequisite: GEOG 3100 or permission of the instructor.

GEOG 4810
Geography of Small Cities *3 credits (2,1,0)*

This course examines the economic, social, cultural, and environmental qualities of small cities and the issues and forces that affect them. Case studies are drawn from the local scene and from across North America.
Prerequisite: 6 credits in 3000 level geography courses or permission of the instructor.

GEOG 4820
Urban Biophysical Environments *3 credits (3,0,0)*

Cities represent areas where biophysical processes are often markedly distinct from their rural counterparts. This physical geography course examines the climatology, hydrology, geomorphology, and biogeography of cities, and the impact cities have on biophysical processes at regional and global scales. Specific topics include: the urban heat island effect; urban hydrology; building architecture and wind; atmospheric contamination; urban forestry; and the urban area as an ecosystem. Students observe the biophysical processes of environmental examples drawn from Kamloops and comparative communities.
Prerequisite: Six credits in 3000 level GEOG courses or permission of the instructor.
Recommended: GEOG 3100

GEOG 4840
Postcolonial Geographies *3 credits (2,1,0)*

Students analyze the role of geographical ideas and practices in the establishment, maintenance, overthrow, and persistence of colonial relationships.
Prerequisite: GEOG 3200 or permission from the instructor.

GEOG 4850
Geography of First Nations Issues in British Columbia
3 credits (3,0,0)

This course offers an examination of the issues involved in the creation of new relationships that are evolving and inclusive of First Nations concerns in British Columbia. Students explore the past relationships between indigenous and non-indigenous peoples of the province, the legal principles and precedents in force, the present situation of ongoing negotiations, and an analysis of future possibilities. Land and resource agreements and disagreements are the focus of this course, as well as the mechanisms available for compromise and resolution.
Prerequisite: 6 credits in 3000 level GEOG courses or written permission of the instructor.

GEOG 4990
Special Topics in Geography and Environmental Studies
3 credits (2,1,2)

This is a special topics course in geography. The subject matter varies from semester to semester depending upon the interest of the faculty and students. Vectoring is determined as per policy ED-8-0.
Prerequisite: 3rd year standing

GEOL 1110
Introduction to Physical Geology (L) *3 credits (3,0,2)*

This is a science laboratory course directed towards anyone who has an interest in geology. The course involves a survey of all major topics of physical geology, including mineralogy, petrology, crystal chemistry, time, surface processes, volcanic activity, rock deformation and mountain building, and plate tectonics. Field excursions supplement the lecture and laboratory material.

GEOL 2050
Geological Time (L) *3 credits (3,0,2)*

This course is the natural continuation of GEOL 1110: Introduction to Physical Geology. Although the course has a second-year designation, it is prerequisite to all other second-year geology courses, and as such should be taken during FIRST YEAR. This is a science laboratory course involving a study of the geological history of the Earth. Concepts include measurement of geologic time, stratigraphic principles, radiometric decay, and elementary palaeontology. Students are introduced to methods in geological mapping and fossil identification in the laboratory.
Prerequisite: GEOL 1110

GEOL 2060
Introduction to Mineral Deposits, Exploration and Mining (Provisional) *3 credits (3,0,0)*

This course explores the formation, styles and types of mineral deposits, occurrences, exploration methods, mineral resources and reserves, types of mines, and prospecting methods. Topics include considerations of a social license to mine; social, economic, and environmental sustainability issues and solutions; environmental assessment, mine closure and reclamation. Case studies will be discussed.

GEOL 2070
Geologic Hazards and Forensic Geology (Provisional)
3 credits (3,0,0)

In this course students will explore how the geosciences contribute to criminal and military investigations, and to the understanding, prediction and mitigation of geologic hazards. This course is an opportunity to explore the magnitude, frequency, causes and impacts of geologic hazards such as earthquakes, volcanic eruptions, tsunami, landslides, and meteor impact. The course also covers prediction, monitoring, assessment and causes of damage; the role of the geosciences in national security , and geological methods used in criminal investigations.

GEOL 2100
Mineralogy: Properties, Identification, Occurences and Uses (L)
3 credits (2,0,3)

The systematic study of minerals, their occurrences, and uses. Topics include identification of mineral properties in hand sample, mineral classification, description, physical and chemical properties, and crystallography. These topics are presented within the context of the processes of mineral formation, occurrences and importance to society.
Prerequisite: GEOL 1110 or 1111 or consent of the instructor

GEOL 2150
Introductory Petrology (L) *3 credits (2,0,3)*

This course is an examination of the origin, composition, occurrence, and structure of all three rock groups: igneous, sedimentary, and metamorphic. Students are introduced to

petrography in the laboratory, and make determinations using the petrographic microscope, in addition to hand sample identifications.
Prerequisite: GEOL 2100

GEOL 2290
Stratigraphy and Sedimentary Geology (L)
3 credits (3,0,2)
Students explore physical and biological stratigraphy, facies and correlation, sequence concepts, and basin analysis. Topics include the origin, diagenesis, and geochemistry of sediments and sedimentary rock.
Prerequisite: GEOL 1110, GEOL 2050

GEOL 3010
Principles of Palaeontology (L) *3 credits (2,0,2)*
This course is a systematic study of ancient forms of life (fossils). Attention is also given to palaeoecology, evolutionary principles, and palaeontologic techniques.
Prerequisite: GEOL 2050

GEOL 3030
Environmental Geochemistry *3 credits (3,0,0)*
Students examine the complex relationship between environmental factors and the geochemical history of surface and subsurface rocks.
Prerequisite: GEOL 1110 with a C minimum and CHEM 2250 with a C minimum
Note: Credit will not be given for both GEOL 3030 and CHEM 3030

GEOL 3070
Structural Geology *3 credits (2,0,3)*
This course offers an analysis and interpretation of natural deformation, including the fault, fold and ductile flow systems accompanying the deformation of the earth's crust; extensional, contractional and toroidal deformation; geometric, kinematic and mechanical analysis of the deformational structures of different scales; and techniques and assumptions used in the construction of structural cross sections.
Prerequisite: GEOL 2290 and GEOL 3190
Corequisite: GEOL 2290 and GEOL 3190

GEOL 3100
Optical Mineralogy and Ore Petrology (L)
3 credits (3,0,3)
This course builds on GEOL 2100 Mineralogy by introducing the use of the petrographic microscope and the properties of light and its interaction with mineral grains for identification and other diagnostic purposes . Topics include light waves, the use of the petrographic microscope , polarization , reflection and refraction , isotropic and anisotropic minerals, interference phenomena, interference figures, birefringence, extinction, optic sign, orientation of crystallographic axes, colour and pleochroism , isotropic, uniaxial and biaxial minerals. Ore minerals and their phase relationships are studied in hand specimen and polished thin section.
Prerequisite: GEOL 2100 or consent of instructor

GEOL 3190
Geomorphology (L) *3 credits (3,0,2)*
Students examine geomorphic processes and the interrelationship of processes, landforms, materials and time. Practical problems in science and applied science that relate to geomorphic processes are discussed in lectures, and methods of investigation and analysis are introduced in laboratory sessions.
Prerequisite: GEOL 1110
Exclusion: GEOG 3190

GEOL 3280
Field Techniques (L) *3 credits (2,0,2)*
Students are introduced to techniques of geological field mapping, including methods in basic structural geology, core analysis, traversing, sampling procedures, and survival first-aid for the field. Laboratory sessions entail field exercises in traversing and mapping.
Prerequisite: GEOL 1110, GEOL 2050

GEOL 4250
Geological History of North America *3 credits (3,0,0)*
Students are provided an overview of the geological history of North America with an emphasis on plate tectonics; Precambrian orogens and Phanerozoic orogenic belts, especially the Cordillera; and the interrelations of sedimentation, deformation and metamorphism.
Prerequisite: GEOL 3190 and GEOL 2290
Corequisite: GEOL 3190 and GEOL 2290

GEOL 4480
Directed Studies in Geology *3 credits*
Students investigate a specific topic as agreed upon by the faculty member and the student.
Prerequisite: Permission of the faculty member (supervisor) is required and acceptance of the topic by a co-supervisor with the appropriate expertise. The co-supervisor may be from on- or off-campus.
Prerequisite: Permission of the faculty member (supervisor) is required acceptance of the topic by a co-supervisor with the appropriate expertise. The co-supervisor may be from on- or off-campus.

GERM 1110
Introductory German 1 (L) *3 credits (3,0,1)*
This course allows beginners to develop cultural knowledge and communicative skills in speaking, listening, reading, and writing in modern standard German. Upon successful completion of this course, students are expected to demonstrate a CEFR A1 level of proficiency.
Exclusion: Students who have completed German in Grade 11 or equivalent within the last two years may not take this course for credit unless approved by Modern Languages.

GERM 1210
Introductory German 2 (L) *3 credits (3,0,1)*
Students build on the skills acquired in GERM 1110: Introductory German 1. Upon successful completion of this course, students are expected to demonstrate a CEFR A1+ level of proficiency.
Prerequisite: GERM 1110 or equivalent
Exclusion: Students who have completed German in Grade 11 or equivalent within the last two years may not take this course for credit unless approved by Modern Languages.

GERM 2110
Intermediate German 1 (L) *3 credits (3,0,1)*
This is a video-based course for German language and culture which integrates mini-dramas and authentic historical and cultural footage. Students are provided with an in-depth view of German language, culture, and history. Upon successful completion, students are expected to demonstrate a CEFR A2 level of proficiency.
Prerequisite: GERM 1210 or equivalent

GERM 2210
Intermediate German 2 (L) *3 credits (3,0,1)*
This course is a continuation of GERM 2110: Intermediate German 1. Upon successful completion, students are expected to demonstrate a CEFR low B1 level of proficiency.
Prerequisite: GERM 1210 or equivalent

GERM 3120
Studies in German Culture *3 credits (3,0,1)*
This third-year cultural studies course explores perspectives on fascism through Post-War German cinema. Conducted in English, it views the Nazi era through the lenses of post-war German Film.
Prerequisite: Minimum: second-year standing

GLAZ 2000
Glazier Apprenticeship Level 1
This course is based on the provincial curriculum for the Glazier Apprenticeship Program. This course introduces glass and components for glass building systems and related work. Students learn about: the safe use of tools and equipment; safe work practices for material handling; organizing their work; measuring and cutting glass; fabricating and the installation of commercial glazing systems. This course is the first level of the provincial apprenticeship program.
Prerequisite: Registered Glaziers Apprentices with the Industry Training Authority

GLAZ 3000
Glazier Apprenticeship Level 2
This course is based on the provincial curriculum for the Glazier Apprenticeship Program. The course expands on the first year curriculum related to glass installation and related work. Students learn about: interpreting drawings and specifications; performing glass cutting and edge treatment; installation of flashing; using caulking and sealants; fabrication and installation methods for storefront; window; curtain walls; skylights and commercial entrance systems; residential windows and doors; installation of showers, windows and solariums. This course is the second level of the provincial apprenticeship program.
Prerequisite: Registered Glaziers Apprentices with the Industry Training Authority

GLAZ 4000
Glazier Apprenticeship Level 3
This course is based on the provincial curriculum for the Glazier Apprenticeship Program. The course expands on the second year curriculum related to glass installation and related work. Students learn about: use of measurement and layout tools;

interpreting drawings and specifications; use of codes, standards and regulations; worksite preparation; fabricating and installing storefront systems; layout, assembly and installation of specialty glass and products; and service and maintenance of glazing systems. This course is the third level of the provincial apprenticeship program.
Prerequisite: Registered Glaziers Apprentices with the Industry Training Authority

GLBL 1000
Global Competency *1 credit (0,1,0)*

The course provides a means for students to learn how to document, reflect on and communicate about the global competencies - knowledge, skills, and attitudes of a globally minded citizen - they have acquired through their educational experiences.
Pre-requisite: Permission from the Centre for Student Engagement and Learning Innovation.

HEAL 1000
Health 2: Lifestyle and Choices *3 credits (40 hours)*

Students are introduced to a holistic concept of health and the components of a health-enhancing lifestyle. Participants are invited to reflect on their own experience of health while recognizing challenges and resources that can impact lifestyle choices. Students are also introduced to a model that is applied to understanding the multi-faceted aspects of health and healing.
Prerequisite: Admission to the Health Care Assistant program
Corequisite: HEAL 1050, HEAL 1150

HEAL 1010
Health and Healing: Concepts for Practice
3 credits (70 hours)

To develop a theoretical framework for practice, students are introduced to the philosophical values and theoretical understandings that provide a foundation for competent practice as a Health Care Assistant. This course focuses on concepts of caring and person-centered care, basic human needs, human growth and development; and family, culture and diversity as they relate to health and healing. Students are also introduced to a problem-solving model that will be critical to their practice.
Prerequisite: Admission to the Health Care Assistant Program
Corequisite: HEAL 1000, HEAL 1050, HEAL 1100, HEAL 1150, HEAL 1200

HEAL 1050
Health 1: Interpersonal Communications
3 credits (60 hours)

This course focuses on the development of self-awareness, increased understanding of others and development of effective interpersonal communication skills that can be used in a variety of care-giving contexts. Students are encouraged to become more aware of the impact of their own communication choices and patterns. Participants develop and use communication techniques that demonstrate personal awareness, respect and active listening skills.
Prerequisite: Admission to the Health Care Assistant program
Corequisite: HEAL 1000, HEAL 1010, HEAL 1100, HEAL 1150, HEAL 1200, HEAL 1250, HEAL 1300, HEAL 1350

HEAL 1100
Health Care Assistant: Introduction to Practice
3 credits (55 hours)

This course provides an introduction to the role of the HCA within the British Columbia health care system. Students are introduced to the healthcare team and the roles and functions of the HCA within the team. Students also have opportunities to develop self-reflective skills required for competent practice.
Prerequisite: Admission to the Health Care Assistant Program
Corequisite: HEAL 1000, HEAL 1010, HEAL 1050, HEAL 1150, HEAL 1200

HEAL 1150
Healing 3: Personal Care and Assistance
4 credits (100 hours)

This practical course offers students the opportunity to acquire personal care and assistance skills within the parameters of the Health Care Assistant role. The course is comprised of class and supervised laboratory experiences which enables students to integrate theory from other courses and develop caregiver skills that maintain and promote the comfort, safety and independence of individuals in community and facility contexts.
Prerequisite: Admission to the Health Care Assistant program
Corequisite: HEAL 1000, HEAL 1010, HEAL 1050, HEAL 1100, HEAL 1200

HEAL 1200
Healing 1: Common Health Challenges
3 credits (90 hours)

This course introduces students to the normal structure and function of the human body and normal bodily changes with aging. Students explore common challenges to health and healing in relation to each body system. Students also examine person-centered practice as it relates to the common challenges to health and, in particular, to end of life care.
Prerequisite: Admission to the Health Care Assistant Program, HEAL 1000,
Corequisite: HEAL 1010, HEAL 1050, HEAL 1100, HEAL 1150, HEAL 1250, HEAL 1300, HEAL 1350

HEAL 1250
Practice Experience in Home Support and Assisted Living
4 credits (60 hours)

This practice course provides students with an opportunity to apply knowledge and skills from all other courses with individuals and families in a community setting. Students become more familiar with the role of the Health Care Assistant within a Home Support Agency, gaining abilities that will prepare graduates to assume the role of Community Health Worker.
Prerequisite: Admission to the Health Care Assistant program, HEAL 1000, HEAL 1100, HEAL 1150
Corequisite: HEAL 1050, HEAL 1010, HEAL 1200, HEAL 1300, HEAL 1350

HEAL 1300
Practice Experience in Multi-Level or Complex Care
7 credits (210 hours)

This supervised practice course provides students with an opportunity to apply knowledge and skills from all other courses in the program with individuals in a multi-level or complex care setting. A portion of this clinical experience will be devoted to working with individuals experiencing cognitive challenges. Students gain expertise and confidence with the role of the Health Care Assistant within a continuing care facility.
Prerequisite: Admission to Health Care Assistant Program, HEAL 1000, HEAL 1100, HEAL 1150
Corequisite: HEAL 1010, HEAL 1050, HEAL 1200, HEAL 1250, HEAL 1350

HEAL 1320
Psychosocial Rehabilitation Practice *3 credits (70 hours)*

Students continue to build on the concept of recovery in mental health care, integrating the knowledge gained in the HEAL1310: Psychosocial Rehabilitation (PSR) course through a practicum experience, related assignments and seminar sessions. The course consists of 30 hours seminar and 40 hours practicum.
Prerequisite: HEAL 1310 and a criminal record check.

HEAL 1350
Heaing 2: Caring for Individuals Experiencing Cognitive or Mental Challenges *3 credits (60 hours)*

Building on content from other courses, students explore concepts and caregiving approaches that will allow them to work effectively with individuals experiencing cognitive or mental challenges. Emphasis is on recognizing the behaviors and identifying person-centered intervention strategies.
Prerequisite: HEAL 1000, HEAL 1100
Corequisite: HEAL 1010, HEAL 1050, HEAL 1150, HEAL 1200, HEAL 1250, HEAL 1300

HEAL 3330
Death and Dying, Life and Living *3 credits (3,0,0)*

This course offers an analysis of death, dying, and bereavement. It includes such topics as facing death, coping with dying, hospice care, bereavement, grief and mourning; funeral practices; lifespan perspectives on death; suicide; and assisted suicide and euthanasia.
Prerequisite: Admission into the 2nd year Nursing program, and open to students in other programs at the discretion of the instructor.

HIST 1030
An Introduction to Ancient Greece and Rome
3 credits (2,1,0)

In this course, students engage with the history of the Mediterranean world from classical Greece and Rome to the early Roman empire. Topics include the rise and decline of Hellenic civilization, early Rome and the Republic, the Augustan Age, and the foundations of imperial Rome.
Required Seminar: HIST 1030S

HIST 1120
An Introduction to Canadian History *3 credits (2,1,0)*

Students examine the development of Canada to 1867. An emphasis is placed on Aboriginal-European relations, the history of New France, military conflicts, the political and economic development of British North America, social and cultural history, and the project of Confederation.
Required Seminar: HIST 1120S

HIST 1160
History of Europe 1500-1789 ***3 credits (2,1,0)***
In this course participants learn to evaluate and understand the complex processes involved in the development of early modern Europe from 1500-1789. Topics include the Renaissance, the Reformation, Absolutism, the Enlightenment, and the outbreak of the French Revolution. Lectures and seminars introduce political, intellectual, cultural and social aspects of European society, and participants work with and discuss a variety of primary and secondary historical sources.
Required Seminar: HIST 1160S

HIST 1220
History of Canada, 1867 to the Present ***3 credits (2,1,0)***
Students examine the political, social, military, and cultural history of Canada since 1867. Topics include state formation, relations with Britain and the United States, military engagements, social movements, regional and ethnic diversity, Aboriginal history, industrialization and urbanization, and French-English relations.
Required Seminar: HIST 1220S

HIST 1260
Europe: 1789 – 1939 ***3 credits (2,1,0)***
In this course participants learn to evaluate and understand the complex forces involved in the development of the modern state. Topics include the French Revolution and Napoleonic Europe, the Congress of Vienna, the social and political struggles of the nineteenth and early twentieth century, and the fissures in European society during the interwar period. Lectures and seminars introduce the political, intellectual, cultural and social aspects of European society, and participants work with a variety of primary and secondary historical sources.
Required Seminar: HIST 1260S

HIST 2020
Native History of Canada ***3 credits (2,1,0)***
Students explore the history of the Aboriginal peoples of what is now Canada. The course begins with pre-contact perspectives; however, emphasis is on the social, cultural, political, economic and military interactions between Aboriginal peoples and newcomers. Examples are drawn from all regions to reveal the breadth and variety of Aboriginal culture, history, and experience. Topics include Aboriginal involvement in the fur trade and later economic developments, the treaty-making process, and Aboriginal responses to government policy.
Required Seminar: HIST 2020

HIST 2160
History of England: Roman Britian to the Glorious Revolution - 1688 ***3 credits (2,1,0)***
This course is designed for those who wish an acquaintance with the broad sweep of British history. The course will examine the social, political, economic and religious issues which affected the following periods of British history: Roman, Norman, medieval, the Tudors and Stuarts.
Required Seminar: HIST 2160S

HIST 2170
Major Issues in American History from the Colonial Period to the Civil War ***3 credits (2,1,0)***
This course examines the key political, economic, and social issues in the development of the United States from its colonial beginnings to the cataclysm of the Civil War.
Required Seminar: HIST 2170S

HIST 2180
Medieval Europe 1: From the Fall of Rome to the Crusades
3 credits (2,1,0)
In this course, students engage with European civilization during the early and beginning of the central middle ages. An emphasis is placed on the development of various structures and their changes, the ordering of society, belief systems and ideas, the organization of communities, and the emergence of religious and political institutions
Required Seminar: HIST 2180S

HIST 2250
Cultural and Artistic Traditions of Europe
3 credits (2,1,0)
Students are introduced to some of the major artistic and literary monuments and movements of the Western tradition, and investigate post-Renaissance cultural achievements in their historical context. Themes include humanism and the legacy of religious upheaval, the impact of science on philosophy, the challenge of neoclassicism, cultural responses to political and industrial revolution, and modernist experimentation.
Required Seminar: HIST 2250S

HIST 2260
History of England: The Glorious Revolution to Victorian Britain
3 credits (2,1,0)
This course is designed to introduce students to British history from the Glorious Revolution of 1688 to the end of the reign of Queen Victoria. The course will examine the political, social and economic issues which determined Britain's development.
Required Seminar: HIST 2260S

HIST 2270
American History Since 1865 ***3 credits***
Students examine the key political, economic, and social issues in the development of the United States from the Civil War to the present.
Required Seminar: HIST 2270S

HIST 2280
Medieval Europe 2: From the Crusades to the Renaissance
3 credits (2,1,0)
Students engage with the continuity in the economic, social, political, and religious foundations of high and late medieval Europe, and the accompanying philosophical, literary, artistic, and cultural achievements of European civilization during this period
Required Seminar: HIST 2280S

HIST 2700
The History of Women in Canadian Society
3 credits (2,1,0)
Students are introduced to the history of women in Canada. Organized chronologically and thematically, this course surveys women's history from the era of Aboriginal-European contact through to the postwar years. Topics include the family, the workplace, sexuality, education, and politics. An emphasis is placed on the diversity of women's experiences.
Required Seminar: HIST 2700S

HIST 3000
The Historian's Craft ***3 credits (3,0,0)***
Students examine the practice of history, and the history of history: how the study of the past has changed over time. What do historians do, and why do they do it? What is the purpose of history? What is historical evidence, and how is it used? Students examine these questions in an effort to broaden and deepen their understanding of the historian's craft.
Prerequisite: Students must have no fewer than 6 credits in recognized lower level History courses and be a declared History Majors student

HIST 3010
Canada in the Age of Nations ***3 credits (2,1,0)***
Students examine Canada in the first half of the twentieth century: its imperial connections, the rise of nationalism, war and commemoration of both the Great War and World War II. A number of forces which marked these years are highlighted, especially technology and consumerism, and their accompanying social changes.
Required Seminar: HIST 3010S
Prerequisite: No fewer than 6 credits in recognized lower level History courses

HIST 3040
The History of the Canadian Prairie West*3 credits (2,1,0)*
This course examines the history of the Canadian Prairie West from pre-Aboriginal-European contact to the modern era. Topics include an examination of the First Nations' traditional economic and social life, and their adaptation to the arrival of Europeans and the fur trade; the rise of the Métis and their changed economic and living conditions as a result of Canadian government policies; Euro-Canadian immigration and settlement; the Great War and the rise of nativism; the economic depression of the 1930s, as well as World War II and the modern West. Students investigate the myths versus the realities of 'cowboys and Indians', the ranching frontier, women, and Mounties.
Prerequisite: No fewer than 6 credits in recognized lower-level History courses

HIST 3050
British Columbia ***3 credits (3,0,0)***
This course explores the history of British Columbia from the beginnings of Aboriginal-European contact through to the post-World War II era. It examines the social, economic, political, and cultural development of British Columbia, and situates the province within national and international context. Topics include Aboriginal-European relations, the fur trade, immigration, the resource economy, military engagements, social reform, gender issues, class relations, and political developments. Throughout the course, key debates in the historiography of British Columbia are emphasized.
Prerequisite: No fewer than 6 credits in recognized lower level History courses

HIST 3060

Quebec: History & Politics ***3 credits (3,0,0)***

Students examine the history and political development of Québec, from the period of the French regime to modern French-English relations within Canada. Students focus on significant social and political developments in the modern period, such as the Rebellions of 1837-38, the emergence of the 'state of siege' mentality after 1840, the impact of industrialization and Confederation, the Quiet Revolution, and nationalism. Contemporary issues are also addressed, including recent debates over 'reasonable accommodation,' national identity, and the relationship between Quebec and Canada.
Prerequisite: No fewer than 6 credits in recognized lower-level History courses or POLI 1110 and one other Political Science class

HIST 3120

Canada in the Cold War Era ***3 credits (2,1,0)***

Students examine the history of Canada, from the end of the Second World War to the early 1990s. This course is organized thematically rather than chronologically. Topics include anti-Communism, immigration, sexual regulation and resistance, family ideals and realities, labour organizing, Aboriginal activism, and student radicalism.
Required Seminar: HIST 3120S
Prerequisite: No fewer than 6 credits in recognized lower-level History courses

HIST 3140

Tudor England, 1485-1603 ***3 credits (2,1,0)***

Students investigate the political, religious, economic, cultural, and social transformations in England during the reigns of the Tudor monarchs. This period was one of dynamic, and at times violent, change, much of it within the context of the religious reformations. Students apply critical thinking skills as they conduct in-depth analysis of historical manuscripts and other key primary sources.
Required Seminar: HIST 3140S
Prerequisite: 6 lower-level History credits.

HIST 3150

Stuart England, 1603-1688 ***3 credits***

This course is an exploration of the significant political, religious, economic, cultural and social developments in England during a time in which English men and women experienced civil war. Students consider the philosophical, ideological, and political factors contributing to the challenges emerging during this time to traditional faith, secular power, and religious authority. Analytical, critical thinking and interpretation skills are refined through a study of historical manuscripts and modern historical interpretations.
Required Seminar: HIST 3150S
Prerequisite: 6 lower-level HIstory credits.

HIST 3160

European Social History ***6 credits (2,1,0)(2,1,0)***

Participants explore various social and cultural perspectives of European history. Aspects of domestic life, economic activity, religion, and popular culture provide the basis for related thematic considerations, including family and sexual relationships, social stratification, violence and public order, and leisure, ritual, and education in pre-industrial and industrial Europe. Participants work with a variety of complex historical sources.
Required Seminar: HIST 3160S
Prerequisite: No fewer than 6 credits in recognized lower-level History courses.

HIST 3170

Ethnic, Cultural and Religious Identities and the Birth of Europe ***3 credits (2,1,0)***

Students engage with the profound changes that marked the passage from the Western Roman empire to the European world which took place over many centuries. Students focus on the transforming identities of populations and cultures greatly affected by a rapidly changing world, filled with migrations, conquests, and evangelization, until a new European identity could be formed.
Required Seminar: HIST 3170S
Prerequisite: No fewer than 6 credits in recognized lower-level History courses.

HIST 3190

Women in Medieval History ***3 credits (2,1,0)***

Students engage with the roles and contributions of women in medieval history. The revolutionary changes in feminist and gender theory, and the problems medieval historiography has had to overcome in trying to uncover women's lives from this remote period of history are examined. Students focus on the diverse avenues open to medieval women for agency and independence, and their varied roles within a patriarchal society.
Required Seminar: HIST 3190S
Prerequisite: No fewer than 6 credits in recognized lower level History Courses

HIST 3210

Western European Political Thought: From Cicero to Machievelli ***3 credits (3,0,0)***

Students examine the evolution of European political thought and its practical applications from Ancient Rome to the Renaissance. This course is an exploration of the major foundational theories and their influence upon the creation of institutional structures, and the governmental apparatuses and ideologies designed to uphold them.
Prerequisite: POLI 1210 or HIST 1160 or HIST 2180 or HIST 2280
Recommended: POLI 2220

HIST 3270

American Colonial Hist 1607-1763 ***3 credits (2,1,0)***

Students examine the social, economic and political characteristics of the thirteen colonies as they changed from small European outposts to mature societies.
Required Seminar: HIST 3270S
Prerequisite: Six lower-level history credits

HIST 3300

The United States, 1812-1865 ***3 credits (3,0,0)***

This course is an examination of the development of the new American nation, with special emphasis on expansion, regionalism, Jacksonian democracy, social reform, and the coming of the Civil War.
Prerequisite: Six lower-level history credits

HIST 3310

The United States, 1865-1896 ***3 credits (3,0,0)***

This course is an examination of the political and social development in Post-Civil War America, with special emphasis on Reconstruction, industrialization, and the Gilded Age.
Prerequisite: Six lower-level history credits

HIST 3360

The United States, 1900 – 1945 ***3 credits(2,1,0)***

Students focus on the political, social, and cultural history of the United States from 1900 to the end of World War II.
Required Seminar: HIST 3360S
Prerequisite: Six lower-level history credits

HIST 3370

United States, 1945 – Present ***3 credits (2,1,0)***

Students focus on selected issues relating to the political, social, and cultural history of the United States from the end of World War II to the present.
Prerequisite: Six lower-level history credits

HIST 3390

The American Revolution and the Formation of the United States: 1763-1812 ***3 credits (2,1,0)***

This course is a study of the revolutionary origins of the United States and the establishment of the American republic.
Prerequisite: Six lower-level history credits

HIST 3410

The Emergence of Victorian Britain ***3 credits (2,1,0)***

Students explore the far-reaching transformations in Britain as the nation moved into imperial expansion. Key topics include the institutional, political, and social responses to Britain's move into position as the world's first industrial and urban society. Lectures, discussions, and research engage students in an active critical analysis and interpretation of historical documents, as well as a modern historical anaylses of this period.
Required Seminar: HIST 3410S
Prerequisite: No Fewer than 6 credits in lower-level History courses.

HIST 3420

Victorian Britain, 1850-1901 ***3 credits (2,1,0)***

Students examine the responses to, and influences of, institutions, families, social groupings, religious institutions, aesthetic perspectives and other elements within British society, during the Victorian time period, in and outside of that society. Comprehension of the transformations and forces emerging in this society is enhanced through a study of historical documents, as well as a review of modern historical analyses and debates.
Required Seminar HIST 3420S
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 3510

The History of Childhood and Education ***3 credits (2,1,0)***

Students consider the historic experience of children in Western society, particularly in Canada, while focusing on the place of education in children's lives. Educational structures are examined, including the development of leading and influential theories about the education of children.
Required Seminar: HIST 3510S
Prerequisite: No fewer than 6 credits in recognized lower-level History courses

HIST 3520
Knowledge and Belief in Medieval to Early Modern Europe
3 credits (3,0,0)
Students complete an in-depth and active investigation into the intersections of early science, religious doctrine and practice, and popular beliefs, in Europe, during the period from 1000 A.D. to 1750. Philosophical, superstitious, medical, and technological concepts are considered, with an emphasis on the use of historical manuscripts and documents in research and discussion. Abstract concepts of science are clarified in their historical context, and the developments that brought science into its modern empirical form are studied.
Prerequisite: No fewer than 6 credits in recognized lower level History courses

HIST 3530
The Concentration Camp: Global History and Politics
3 credits (3,0,0)
The Concentration Camp is an institution of the Twentieth Century. This course will give an overview of historical precedents for the concentration camp, such as the ghetto, and then will examine the history and politics of the concentration camp, from the Spanish-American and Anglo-Boer Wars near the turn of the century (the first times the term, "concentration camp," was used), to the more notorious examples of Nazi Germany and the Soviet Union. Other examples, such as camps in Canada and the USA, China, parts of Africa, and even the "War on Terror" will be examined in detail. Why have modern states-across the ideological spectrum-made use of the concentration camps against real and perceived enemies?
Prerequisite: Third year standing or consent of the instructor
Exclusion: POLI 3530

HIST 3610
Britain, 1900-1930 *3 credits (2,1,0)*
Students examine a wide range of aspects of British life and society, after the Victorian period, including the emergence of political parties; cross-party dynamics; social reforms; civil discontent; emergence of Labour interests and ideologies; 'Bohemian' culture and influences; class systems; women's challenges to traditional perspectives on the right to vote; economic transformations and responses to Depression; and British roles in World War I and in the interwar period. Students engage in active research in and discussion of the intercultural realities in Britain, using primary and modern sources.
Required Seminar: HIST 3610S
Prerequisite: No fewer than 6 credits in recognized lower level History courses

HIST 3620
Britain, Since 1930 *3 credits (2,1,0)*
The Great Depression of the 1930s, and World War II contributed to tremendous socio-economic and political changes in Britain. Students investigate the legacies of such events through an analysis and discussion of the nationalization of British industry, the emergeing welfare state, immigration, and modern British culture. Students engage in a critical analysis of historical documents and modern perspectives. Prerequisite: No fewer than 6 credits in lower-level History courses. Required Seminar: HIST 362
Prerequisite: No fewer than 6 credits in lower-level History courses.

HIST 4030
Topics in Canadian Gender History *3 credits (2,1,0)*
Students explore selected topics in the history of gender in Canada. Constructions of femininity and masculinity in Canadian history are examined, in addition to the experiences of women and men in the past. Topics may include paid work, sexuality, the family, courtship, religious participation, politics and activism, and leisure. Particular attention is paid to the intersections between gender and race, ethnicity, class, and region.
Required Seminar: HIST 4030S
Prerequisite: No fewer than 6 credits in recognized lower level History courses

HIST 4050
Topics in British Columbia History *3 credits (3,0,0)*
Students examine selected topics in the history of British Columbia. Topics may include race and racism, immigration, economic issues and development, social and cultural history, religion and society, postwar diversity and dissent, and/or political culture.
Prerequisite: No fewer than 6 credits in recognized lower-level History courses

HIST 4060
Topics in Local History *3 credits (2,1,0)*
This course examines the history of Kamloops and region, with an emphasis on the methodologies and practices used to study history. Students explore various historical tools, methods, and sources, and gain hands-on experience in investigating and communicating local history.
Required Seminar: HIST 4060S
Prerequisite: No fewer than 6 credits in recognized lower-level History courses

HIST 4120
Topics in European History: Ancient to Early Modern
3 credits (2,1,0)
Students engage with various themes relating to the cultural, political, philosophical, religious, or economic history of the ancient Mediterranean, medieval, and early modern worlds. Cultural and social history is emphasized. Students are offered an opportunity to explore a unique subject matter (not normally offered in other courses), or further examine a specialised, scholarly field. Thematic considerations vary from year to year. Students may learn about the beginning or end of a civilization, cultural and religious change, or continuity from one civilization to the next.
Required Seminar: HIST 4120S
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 4130
Reformation Europe *3 credits*
This course is an exmaination of European history during a time of intense religious change. Students are provided with material that is critical to a modern understanding of spiritual and doctrinal distinctions between denominations in Western society. Students investigate the Protestant and Cathcolic Reformations in the broader context of the political, social, artistic, and economic transformations during the early modern era.
Required seminar: HIST 4130S
Prerequisite: No fewer than 6 credits in lower-level History courses.

HIST 4200
Topics in European History *credits (2,1,0)*
Participants focus on selected themes relating to the cultural, social, political, institutional, or economic history of Europe. The course accommodates subject matter that is not usually offered in other courses, and themes vary from year to year. Participants learn the dynamics of complex historical processes related to such issues as domestic politics, the interaction of states, the formation of new states, social and economic transformations, and major cultural expressions. Advanced students of history focus on applying the skills they have learned in order to examine complex topics in European history.
Required Seminar: HIST 4200S
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 4250
Topics in Canadian History *3 credits (2,1,0)*
Students explore selected topics in the history of Canada. Topics may include immigration and ethnicity, war and society, environmental history, religion, sexuality, Aboriginal history, state formation, and popular culture.
Required Seminar: HIST 4250S
Prerequisite: No fewer than 6 credits in recognized lower level History courses

HIST 4350
The American Civil War *3 credits (3,0,0)*
Students examine America's greatest crisis, from its origins in the early nineteenth century to the abandonment of Reconstruction. Specific topics vary, however, emphasis is placed on the political, military, social, and cultural dimensions of the war.
Prerequisite: No fewer than 6 credits in recognized lower level History courses

HIST 4460
American Foreign Policy, 1945 to Present
3 credits (2,1,0)
Students examine selected topics in American foreign policy, from World War II to the present.
Prerequisite: No fewer than 6 credits in recognized lower-level History courses

HIST 4480
Topics in American Social History *3 credits (3,0,0)*
Students focus on selected issues relating to the social and cultural history of the United States. Thematic considerations vary from year to year. .
Prerequisite: No fewer than 6 credits in recognized lower level History courses

HIST 4510
Topics in Early Modern Britain *3 credits (2,1,0)*
Students examine aspects of British history typically in the forefront of modern research, from the period between the Protestant and Catholic reformations of the early 1500s and the Industrial Revolution of the 1700s. The topical focus of this course

changes with each offering, however, the themes relate to the economic, social, religious, political and economic history of this period. Students engage in discussion and research that centres on historical documents, and modern historical interpretations and debate.
Required Seminar: HIST 4510S
Prerequisite: No fewer than 6 credits in lower-level History courses.

HIST 4520
Topics in Modern Britain *3 credits (2,1,0)*

This course is an in-depth examination of selected themes relating to the social, cultural, economic and political history of modern Britain, up to the present day. Discussions and lectures address diverse topics, which range from immigration issues and intercultural change in Britain to transformations in popular culture and political expectations. Students investigate subject matter which is often not offered in other courses, and utilize historical materials ranging from manuscripts to modern electronic sources.
Required seminar: HIST 4520S
Prerequisite: No fewer than 6 credits in recognized lower level History courses

HIST 4710
Communism and the Environment *3 credits (3,0,0)*

This course will focus on the history and politics of communism and the environment. As such, it will explore environmental issues and policies in the Soviet Union, China and Cuba. Students will examine other related issues, such as the writings of Marx, Engels, Lenin, and others; ideology, political philosophy and the environment; and the role of communism and socialism in environmental movements, today. Students will also be asked to compare environmental practices in communist countries with those of capitalist countries.
Note: Same course as POLI 4710

HIST 4900
Special Topics in History *3 credits (0,3,0)*

Students analyze issues related to the theory and practice of historical work. Students wishing to explore unique areas of research in History, often with inter- and cross-disciplinary significance, may find this course especially relevant to their program of study. Students may be offered a unique opportunity to study with a scholar who is new to the faculty of History, and who brings specialization in research areas that are not usually addressed by the standard range of course offerings.
Prerequisite: No fewer than 6 credits in recognized lower-level History courses.

HLSC 2550
Health Science 3: Introduction to Pathophysiology
3 credits (3,0,0)

The major emphasis of this course is to gain a foundational knowledge of the concepts related to human pathophysiology. The course examines the presentation and pathogenesis of health challenges across the life span including genetics, nutrition, immunology, and environmental impacts on health. Topics are closely coordinated with the practice and nursing courses.
Prerequisite: Year 1
Corequisite: NURS 2730, NURS 2740

HLSC 2650
Health Science 4: Pathophysiology *3 credits (3,0,0)*

The major emphasis of this course is to build on concepts related to human pathophysiology introduced in Health Science 3 but with increasing complexity. This course examines the presentation and pathogenesis of health challenges across the life span including genetics, nutrition, immunology, and environmental impacts on health. Topics are closely coordinated with the practice and nursing courses.
Prerequisite: HLSC 2550, NURS 2740
Corequisite: HLSC 2660, NURS 2840

HLSC 2660
Health Science: Pharmacology *3 credits (3,0,0)*

The emphasis of this introductory course is to gain a foundational knowledge on the essential pharmacological principles and the major drug classifications. Consideration is given to client education, pharmacognosy, adverse effects, and medication administration safety. The major concepts of this course are examined across the lifespan.
Prerequisite: Semester 3
Corequisite: HLSC 2650, NURS 2830

HLSC 3020
Data Analysis Health & Human Service Professions
3 credits (3,0,1)

This course is designed to facilitate learner understanding of the data analysis process in relation to research based professional practice in nursing and social work. Students apply a range of analytical techniques to both qualitative and quantitative data. This course enhances the learner's ability to analyze data and critically review research literature applicable to their professional practice.
Required Lab: HLSC 3020L
Prerequisite: NURS 3600

HLSC 3040
Environmental Change - Challenges for Health
3 credits (3,0,0)

This course introduces students to the most recent developments in the science of climate change and the resulting impact on the health of populations worldwide. Changes in disease risk and emerging diseases and conditions are reviewed. Since health care is one of the most wasteful systems in regard to its carbon footprint, various efforts to reduce greenhouse gas emissions are reviewed. Students discuss the effects of global warming and how it necessitates new approaches to health and new responses to the spreading of tropical diseases.
Prerequisite: 3rd year standing or permission of the instructor

HLSC 3550
Health Science 5: Advanced Pathophysiology
3 credits (3,0,0)

This course builds on concepts introduced in Health Science 3 and 4 with an emphasis on multisystem or highly complex health challenges. The presentation and pathogenesis of health challenges across the lifespan are examined, including a major focus on immunology, and where applicable, genetics, nutrition, and environmental impacts on health. Topics are closely coordinated with practice and the health courses.
Prerequisite: Year 2 or with permission from the instructor.
Corequisite: NURS 3730

HLSC 3690
Human Sexuality for Health Professionals
3 credits (3,0,0)

Sexuality is an important aspect of human health. This course advances a health care professional's capacity to address issues of sexuality and sexual health with clients across the lifespan. Theories and research informing health professionals of sexual development, gender, sexual orientation, sexual practices, and sexual health are examined. Self awareness, along with the development of skills to address sexuality inclusion in professional practice, is central to course objectives.
Prerequisite: Evidence of third-year standing in a health professions program leading to an undergraduate degree and completion of a communication or counselling course; or evidence of a health-related professional credential requiring a minimum of two years academic preparation or by permission of the instructor.

HLSC 3830
Global Health Perspectives *3 credits (3,0,0)*

Participants develop an understanding of people's experience with health and healing related to a variety of increasingly complex chronic and episodic global health challenges and issues. Emphasis is placed on the role of the nurse as care provider, community organizer and facilitator, educator, and advocate within the context of the global society and the changing health care environment. Learners examine a variety of emerging health issues and trends using these as a context for further developing a personal understanding of nursing practice that supports meaningful interactions with individuals, families, groups, communities, and society.
Prerequisite: BSN students - successful completion of Semester 5 Post-RN students - permission of the Post-RN advisor Students in other disciplines - permission of the Instructor

HMGT 1110
Catering & Service Management *3 credits (3,0,5)*

This course presents a basic overview of the principles of catering and service management in a hospitality environment. Students review and critique styles of service, and develop an understanding of how to make food and beverage outlets more guest-friendly and profitable. Service management is introduced by both theory and practice, and students reflect on contemporary issues related to providing service excellence in different service environments.
Prerequisite: Foodsafe Level 1 and Serving it right. English 12/English 12 First Peoples with a min of 73% (within the last 5 years) or level 4 on the composition section of the LPI (within the last 2 years) or ENGL 0600 or ESAL 0570 and ESAL 0580

HMGT 1210
Food and Beverage Preparation *3 credits (1,1,3)*

This course explores the techniques and procedures of quality and quantity food production and service, and provides the principles underlying the selection, composition and preparation of major food products. Students gain practical experience by working one night per week in the College Dining Room kitchen or an off-campus kitchen for the applied portion of this course.
Prerequisite: English 12/English 12 First Peoples with a minimum of73% (within the last five years), or Level 4 on the composition section of the LPI (within the last two

years), or completion of ENGL 0600, or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better and Foodsafe Level 1

HMGT 1410
Hotel Operations 1 *3 credits (3,0,0)*

The intent of this course is to help prepare the learner for positions in the hotel industry by providing in overview of the complexities of the hotel industry. As well learners will be introduced to the various departments that are key elements of a hotel operation. As a result students will be expected to take an active role in the learning process through their in class contributions. Through lectures, presentations, assignments and readings, the student will leave this class with a foundation that will assist them in future career decisions.

HMGT 2100
Food & Beverage Cost Control *3 credits (3,0,0)*

This course covers the principles and procedures involved in an effective food and beverage control system. Students are introduced to the logic and the systems involved with managing costs, from maintaining sales and cost histories to developing systems for monitoring current activities and projecting future profits. Additional topics include budgeting techniques, standards determination, purchasing systems and menu pricing.
Prerequisite: ACCT 1000 and basic computing experience

HMGT 2120
Hotel Sales and Service *3 credits (3,0,0)*

This course provides insight into the scope and various segments of the groups market and shows the relationship between professional service and operational success. Students will be given a comprehensive introduction to the complexities of managing a convention facility as well as exposure to key group markets and techniques for attracting them to the property.
Prerequisite: TMGT 1150 or equivalent
Exclusion: Students cannot receive credit for both HMGT 2120 and MKTG 3450

HMGT 2210
Food & Beverage Management *3 credits (2,1,1)*

This course discusses the management of Food and Beverage Operations within a hotel. Students will learn aspects of front of the house and back of the house operations of this department and will have an overview of the complexities of managing this dynamic area. Topics that will be covered include: product knowledge, legal issues, responsible beverage service, industry trends, service styles, marketing, sales and profitability.
Required Lab: HMGT 2210L
Required Seminar: HMGT 2210S
Prerequisite: HMGT 1110, HMGT 1210, Foodsafe Level 1. Minimum age requirement of 19 years of age.

HMGT 2500
Field Experience *3 credits (40 hour)*

This course offers students the opportunity to connect academic course work with practical application by participating in a multi-day field experience within a world-class destination. Prior to engaging in the field experience, students use seminars to develop a deeper understanding of the field experience. Students research the chosen destination, set personal and group objectives, liaise with industry partners and plan their travel itinerary within a budget. Upon return, the students undertake reflective oral and written assignments. Note: this course has an activity fee attached.
Prerequisite: Students must be enrolled in the 2nd year of the Resort and Hotel Management Diploma program.

HMGT 2510
Hotel Operations 2 *3 credits (3,0,0)*

Continuing from HMGT 1410, the intent of this course is to focus student learning on the rooms division area of hotel management. Regardless of the level or variety of services offered by the lodging facility, essentially all properties provide accommodation and the services required to register the guest and ensure that the guestroom is maintained. Therefore the focus of this course is on the guest cycle (reservations, registration, occupancy and check-out). Students are introduced to basic front office operating procedures theory and application with a Hotel Property Management System (PMS) as well as principals of revenue management, hotel security and housekeeping issues.
Prerequisite: HMGT 1410

HMGT 2610
Resort and Hotel Operations *3 credits (3,0,0)*

This course builds on concepts learned in Hotel Operations 1 and 2, and provides students with an introduction to the operation of resort properties. Course content includes a historical perspective of resort development, followed by planning, developing, managing and marketing issues that are unique to resorts operations. Students also use a hotel operational training simulation (HOTS), in a business simulation exercise, to integrate management concepts learned throughout Resort and Hotel Management courses.
Prerequisite: HMGT 1410 and HMGT 2510

HMGT 3000
Resort Hospitality Operations and Performance
3 credits (3,0,0)

This course provides students with professional and technical knowledge about the management of hospitality facilities, especially in the context of resorts. Emphasis is on the exploration of the complex factors than can influence the survival and development of hospitality enterprises. Students will evaluate issues of efficiency and effectiveness of diverse operating procedures in the delivery of the hospitality product to the consumer within the context of resorts. Topics covered include the need, and the resources required, for staging events such as banquets and conferences and the impact of the events sector on the hospitality field and on resort communities in particular.
Prerequisite: Third Year Standing

HMGT 4800
Resort Management Case Study *3 credits (3,0,0)*

In this capstone course, students synthesize and apply theoretical and practical knowledge gained throughout their coursework in the Resort Experience concentration in the Bachelor of Tourism Management, toward problem-solving in the context of a hypothetical or real resort organization. Working in small groups, students take on the role of a research and consultancy team and produce a report advising how specific problems or issues may be resolved.
Prerequisite: Fourth-year standing in the Bachelor of Tourism Management's concentration in Resort Experience.

HORT 1500
Basic Horticulture *2 credits (38 hours)*

This course introduces students to plant structure, growth and development. Topics to be covered include structure and function of plant parts, plant classification, nomenclature and identification, germination, photosynthesis and respiration, plant hormones and environmental effects on plant growth and development.
Prerequisite: Admission to the Horticulture program

HORT 1510
Greenhouse Production *2 credits (38 hours)*

Students learn about the basic structure of greenhouses, heating and ventilating systems, soil mixes, supplemental lighting, fertilization, chemical growth regulators and irrigation systems.
Prerequisite: Admission to the Horticulture program

HORT 1520
Diseases and Insect Pests *2 credits (38 hours)*

The course deals with insect structure and development, important insect orders, causal agents of plant diseases and disorders, and various control measures.
Prerequisite: Admission to the Horticulture program

HORT 1540
Soil Science *2 credits (38 hours)*

The topics covered in this course include components of soil, texture, porosity, conductivity, cation-exchange capacity, salinity, soil organisms, mineral nutrients and soil amendments.
Prerequisite: Admission to the Horticulture program

HORT 1600
Weeds *1 credit (26 hours)*

In this course, students study the biology of weeds, identification of weeds, control measures and common herbicides.
Prerequisite: Admission to the Horticulture program

HORT 1610
Nursery Production & Retailing *1 credit (26 hours)*

Nursery production is an important aspect of the horticulture industry in British Columbia, with a significant volume of landscape plants exported to the rest of Canada. Topics to be covered include site selection, management of field and containerized stock, plant propagation, fertilization, soil mixes and irrigation. Additional topics include the retailing of nursery stock and horticultural products in a garden centre.
Prerequisite: Admission to the Horticulture program

HORT 1620
Fruit & Vegetable Production *1 credit*

The topics of fruit production examined in this course include site selection, rootstocks, pollination, pruning, and the use of chemical growth regulators. Areas covered in vegetable production include seed germination, growing transplants, cultivation, fertilization, irrigation and the cultural requirements of selected important vegetables.
Prerequisite: Admission to the Horticulture program

HORT 1630

Landscaping ***1 credit (26 hours)***

Landscaping is an important and integral part of the urban environment. Students explore the principles of landscape design, developing a landscape plan, hard landscaping, landscape installation and landscape maintenance.

Prerequisite: Admission to the Horticulture program

HORT 1640

Turfgrass Management ***1 credit (26 hours)***

Students learn about the botany of grasses, selection of different grass species, seeding and sodding of lawns, fertilizers, irrigation, mowing and cultivation.

Prerequisite: Admission to the Horticulture program

HORT 1700

Horticulture Practical 1 ***3 credits (595 hours)***

Practical sessions are an integral part of the program and are designed to give students hands-on experience in developing required skills. The following are the major topic areas followed by the apportioned class hours: Plant Studies (30), Insect Studies (13), Soil Studies (10), Weed Studies (8), Indoor Plant Identification (14), Landscape Plant Identification (30), Plant Propagation (39), Greenhouse Crop Production (33), Greenhouse Practices (59), Grounds Maintenance (71), Landscape Design (45), Landscape Installation (71), Pruning (15), Basic Carpentry (25), Small Engines (25), Pesticide Dispensers and Applicator's Course (18).

Prerequisite: Admission to the Horticulture program

HORT 1800

Horticulture Practical 2 ***3 credits (595 hours)***

In this second term continuation, students resume their study of the topics listed in HORT 1700.

HORT 1900

Horticulture Practicum ***3 credits***

The objective of this practicum is to enhance and culminate the education acquired within the university environment with work experience at participating businesses and organizations. This practicum allows students to solidify information learned at Thompson Rivers University, to see its application in the workplace, and to participate in the day-to-day operation of a business. Through the practicum, students gain a deeper insight into the direction they wish to pursue within the horticulture industry.

Prerequisite: Admission to the Horticulture program

HORT 2000

Greenhouse Production ***3 credits (2,0,4)***

Students are provided an opportunity to acquire new skills and improve on existing skills in a hands-on work-related environment. The main emphasis of this course is bedding plant production.

Required Lab: HORT 2000L

Prerequisite: HORT 1510 or permission of the instructor

HRMN 2820

Human Resource Management ***3 credits (3,0,0)***

Students are introduced to the management of an organization's workforce through the design and implementation of effective human resource policies and procedures. Current Canadian issues and practices are emphasized. Topics include the strategic role of human resources management, human resources planning, job analysis and design, recruitment and selection, employment equity, compensation, training and development, performance appraisal, occupational health and safety, and employee and industrial relations.

Prerequisite: CMNS 1290, ORGB 2810

Exclusions: Students may not receive credit for both HRMN 2820 and TMGT 1140 (C+ or higher). Students may not receive credit for both HRMN 3820 and HRMN 2820.

HRMN 3820

Human Resource Planning and Staffing ***3 credits (3,0,0)***

Students are introduced to the management of an organization's workforce through the design and implementation of effective human resource policies and procedures. Current Canadian issues and practices are emphasized. Topics include the strategic role of human resources management, human resources planning, job analysis and design, recruitment and selection, employment equity, compensation, training and development, performance appraisal, occupational health and safety, and employee and industrial relations.

Prerequisite: CMNS 1290, ORGB 2810

Exclusion: This course should be taken by students in the Minor in Management only. Students may not receive credit for both HRMN 3820 and HRMN 2820.

HRMN 3830

Human Resource Planning and Staffing ***3 credits (3,0,0)***

Students examine the policies and procedures for the planning, acquisition, deployment, and retention of a workforce of sufficient size and quality to allow an organization to attain its strategic goals. Topics include the strategic importance of staffing, the staffing environment, human resource planning, job analysis and design, recruitment, applicant screening, employee testing, interviews, references, decision making, employment contracts, methods of evaluating the hiring process, deployment, and retention.

Prerequisite: HRMN 2820 or HRMN 3820

HRMN 3840

Employee and Labour Relations ***3 credits (3,0,0)***

Students explore the different aspects of union-management relations focusing on both the Canadian and international experience. Topics include an introduction to labour relations; the labour relations environment; union membership, structure, and actions; employment legislation and the Labour Relations Act; collective bargaining; managing the collective agreement; dispute resolution; human resources in a union environment; international labour relations; and future trends and issues in labour relations.

Prerequisite: HRMN 2820 or HRMN 3820

HRMN 4830

Total Rewards ***3 credits (3,0,0)***

Students develop an understanding of rewards systems available to employers to attract, motivate, and retain a sufficient number of qualified employees. Topics include the components of total rewards; the rewards environment; motivational theories and rewards; rewards strategies; types of compensation; non-monetary rewards; and rewards and performance management, attraction, and retention.

Prerequisite: HRMN 2820 or HRMN 3820

HRMN 4840

Organizational Learning, Training and Development

3 credits (3,0,0)

Students examine the educational activities provided by organizations to enhance the current performance of individuals or groups of employees and instil a commitment to continuous improvement and advancement. They study how organizations can become more adaptive by learning from their experiences and reacting more quickly to environmental change. Topics include organization learning; training and development; learning and motivation; needs analysis; training design, methods, and delivery; transfer of training; training evaluation; and cost and benefits of training programs.

Prerequisite: HRMN 2820 or HRMN 3820

HRMN 4890

Selected Topics in Human Resource Management

3 credits (3,0,0)

Students examine a selection of contemporary issues in human resource management. Topics include occupational health and safety, human resource information management, and professional practice.

Prerequisite: HRMN 3820 or HRMN 2820, HRMN 3840

HUMS 1300

Introduction to Mental Health ***3 credits (3,0,0)***

This course is an excellent introduction to the field of mental health care for those working in the field of human services. Topics include community mental health issues for children, youth, and adults, and the philosophy and values which direct care. Students reflect on person-centred practice, facilitative communication, behaviour management, non-violent crises intervention, the mental health system, and evidence-based practice. Students also have an opportunity to examine practice issues such as cultural competence, the ethics of care, and service delivery models. An overview of various disorders is presented, while mental health is examined through a best-practices approach that encompasses grounded theory, new developments in the field, problem solving, and current research.

Prerequisite: Acceptance in the Human Service Diploma program

HUMS 1540

Self and Interpersonal Communications ***3 credits (3,0,0)***

Self-awareness is foundational to the development of competent human service workers. For this purpose, topics furthering self-knowledge and facilitating the development of self-reflection skills are the focus of this course. Topics include the values and ethics of helping, relationship building, interpersonal and intercultural communication, interpersonal conflict, and team work.

Prerequisite: Admission to the Human Service Diploma program or permission of the program coordinator

HUMS 1560

Introduction to the Family in Human Service Practice

3 credits (3,0,0)

This course is an examination of the family, in both historical and current Canadian contexts, which provides the groundwork for beginning practice with families in human

service work. Current social, political, cultural, and economic influences on today's families are presented. Topics include family of origin, family systems theory, and family communication theory.
Prerequisite: Admission to the Human Service Diploma program

HUMS 1580
Introduction to Field Work in Human Services
3 credits (3,2,0)
Students review the field of human service practice beginning with an overview of the values and ethics that are key elements of professional attitude and conduct. Additional topics include observation, record keeping, community mapping, supervision, team work, and self-care.
Prerequisite: Admission to the Human Service Diploma program

HUMS 1600
Field Work *4 credits (0,2,14)*
Using a blended community service learning model, this course establishes a link between the classroom and the workplace. Students are provided supervised opportunities to integrate core concepts of human service practice and to demonstrate the relationship of theory to practice within teams in a fieldwork agency.
Prerequisite: ENGL 1100 with a C grade or better, PSYC 2130 with a C grade or better, HUMS 1770 with a C grade or better, HUMS 1540 with a C grade or better, HUMS 1580 with a C grade or better

HUMS 1610
Interview Skills for Social Service Practice
3 credits (3,0,0)
Students review various interviewing skills and techniques, and develop the skills to complete informational and referral interviews as well as facilitate problem-solving interviews. This course offers lecture, discussions, and videotaped practice of simulated interviews.
Prerequisite: Admission to the Human Service Diploma program ENGL 1100, PSYC 2130, HUMS 1770, HUMS 1540, HUMS 1580

HUMS 1770
Introduction to First Nations Studies and Human Service Practice
3 credits (3,0,0)
Students examine the historical and continuing process of colonization in Canada, and the resulting societal, political, linguistic, spiritual, and cultural impacts that are challenging First Nations people today. The development of cultural understanding and the beginning of culturally competent practice occur in this course. Additional topics include self-government, cultural healing and empowerment, and human service practice in First Nations communities.
Prerequisite: Admission to the Human Service Diploma program

HUMS 1790
Community Resources *3 credits (2,2,0)*
Students are provided an introductory opportunity to work with clients in social service and community support settings, and to identify important aspects of reflective human service practice. These include the use of self, the importance of establishing relationships, and the use of supervision. Students are required to complete a structured volunteer experience in an approved community agency and to participate in a series of bi-weekly seminars that discuss a framework to undertake human service practice with clients.
Prerequisite: Admission to the Human Service Diploma program

HUMS 2000
Introduction to Fetal Alcohol Spectrum *3 credits (3,0,0)*
Students are provided an overview of Fetal Alcohol Spectrum Disorder, including the effects of alcohol during pregnancy, diagnostic criteria, assessment, and current research. Students also explore addiction issues related to gender, harm reduction, and the historical, cultural, and moral implications of addiction. Students have an opportunity to identify and analyze their beliefs and values related to addictions and invisible disabilities.

HUMS 2010
Community Advocacy and Teaming *3 credits (3,0,0)*
Students develop specific skills and knowledge that can be applied to advocacy for children, youth, and adults facing significant social disadvantages, such as disabilities, poverty, and mental health problems. Community systems are examined in terms of how practitioners can facilitate support for clients facing multiple barriers. Prevention programs and community teaming possibilities are discussed, and students are provided opportunities to discover existing resources and identify gaps in services, from a community perspective, for specific populations (such as people with Fetal Alcohol Spectrum Disorder - FASD).

HUMS 2030
Fetal Alcohol Spectrum Disorder - Developmental Perspectives
3 credits (3,0,0)
This course is designed to help students situate their work, with individuals affected by Fetal Alcohol Spectrum Disorder (FASD), within a developmental context. Students explore fetal alcohol effects as they are experienced across the lifespan, from infancy to adulthood, as well as within specific social systems (family, community, workplace, school, and leisure-related settings). Secondary disabilities are addressed with attention to how these develop over time. Strategies for addressing secondary disability issues are discussed.

HUMS 2040
Fetal Alcohol Spectrum Disorder - Field Practice
3 credits (3,7,0)
The primary purpose of this practicum course is to provide opportunities for both demonstration and evaluation of students' understanding and response in supporting individuals and communities coping with Fetal Alcohol Spectrum Disorder. Students with field experience may choose to do a reflective research project which connects their theoretical knowledge to practice. Students with limited field experience have the opportunity to practice in the field for a 12-week period, one day a week. During these 12 weeks, there is a 3-hour seminar held weekly, in which students can, in consultation with their peers, discuss ethics, practice, and application of skills in supporting individuals, families, and communities.
Prerequisite: HUMS 2000, HUMS 2010, HUMS 2030
Corequisite: HUMS 2000, HUMS 2010, HUMS 2030

HUMS 2060
Intro Social Service Practice *3 credits (3,0,0)*
The purpose of this course is to introduce students to social service work and practice through an exploration of the history, philosophical foundation, and theoretical perspectives of the profession of social service. This exploration includes a review of the relevant codes of ethics and practice standards that guide practitioners. This course provides an overview of the roles in which social service workers become involved, for example, as advocates, policy analysts, administrators, activists, educators, counsellors, facilitators, mediators, organizers and researchers. Social service workers are committed to working for social justice, therefore the course examines the social structures that influence people's lives and how various sources and forms of oppression and marginalization impact the lives of people in Canadian society.
Prerequisite: All Fall semester courses. Admission to the Human Service programs.

HUMS 2120
Introduction to Social Welfare in Canada
3 credits (3,0,0)
Students examine the history and development of human services and social welfare policy in Canada, and British Columbia in particular. Topics include poverty, with particular reference to women and First Nations people, as well as major political ideologies and their impact on social policy. Students explore the structure of government and the development of a social security system in Canada, and one model for policy analysis is introduced.
Prerequisite: Admission to the Human Service Diploma program

HUMS 2220
Theoretical Foundations in Human Service Practice
3 credits (3,0,0)
Students are introduced to various theories for human service practice. By examining a range of theories appropriate to professional practice, the link between theory and practice is established. Participants integrate theories into their practice framework and investigate the suitability of various theories in practice with individuals, families, groups, and communities.

HUMS 2500
Special Topics *3 credits (3,0,0)*
Students examine selected current issues in child and youth care and human service practice.
Prerequisite: Admission to the Human Service Diploma program or permission of the program coordinator

HUMS 2530
Interpersonal Communication and the Helping Relationship
3 credits (3,0,0)
Participants develop the values, language, contextual speech, and skills required for the development of professional helping relationships. Utilizing critical reflection, participants examine relationship development with members of diverse populations, conduct relationship building activities for their peers, and learn the process of giving and receiving professional feedback and supervision.
Prerequisite: ENGL 1100 with a grade of C or better, PSYC 2130 with a grade of C or better, HUMS 1770 with a grade of C or better, HUMS 1540 with a grade of C or better, HUMS 1580 with a grade of C or better, PSYC 2230 with a grade of C or better, HUMS

1560 with a grade of C or better, CYCA 2000 with a grade of C or better, HUMS 2060 with a grade of C or better, HUMS 1600 with a grade of C or better

HUMS 2600
Human Service Diploma Practicum *4 credits (0,2,8P)*

This course is the practicum of the Human Service Diploma program offered through Thompson Rivers University. It involves a supervised practicum at an agency, which delivers community-based services to children and youth, families and others in the community. If there are people who want to work more specifically in a Child and Youth Care context, placements will be sought in child and youth specific agencies. Included are weekly practicum seminars on campus during the semester.
Prerequisite: All other 1st year Human Service Diploma courses unless otherwise negotiated with instructors.

HUMS 3530
Guided Communication *3 credits (3,0,0)*

This course will build on the self awareness and communication skills developed in HUMS 2530. Specific skills used in problem solving and facilitating change will be explored and practiced. This course will also concentrate on the development of personal and professional skills that can be used by a human service practitioner in helping children, youth and their families.
Prerequisite: Admission to the Human Service Diploma program

HUMS 3570
Law and Social Services *3 credits (3,0,0)*

Participants explore the law as an expression of social policy, and the processes by which laws are developed, enacted, and changed. This course provides an introduction to family law and the family courts, and human rights with special reference to how laws affect children and social services. The organization of legal services, and the legal accountability and liabilities of human service workers and others in the social service field, are presented.
Prerequisite: Admission to the Human Service Diploma program.
Exclusion: Students may receive credit for only one of the following: SOCW 3570, CYCA 3570, HUMS 3570

IBUS 3510
International Business *3 credits (3,0,0)*

Students examine globalization and the steps managers take to establish or expand operations in international markets. They explore the influence of forces such as culture, economics, politics, and geography on management decision making. Topics include globalization; national differences in political economy; political economy and economic development; differences in culture; ethics in international business; international trade theory; the political economy of international trade; foreign direct investment; regional economic integration; the foreign exchange market; international business strategy; organization of international business; entry strategy and strategic alliances; global production, outsourcing and logistics; global marketing and research and development.
Prerequisite: ECON 1950, MKTG 2430

IBUS 3520
Global Management *3 credits (3,0,0)*

Students conduct an integrative and comprehensive overview of the fundamental issues and challenges that confront the international firm. Topics include globalization and international linkages; public, legal, and technological environments; meaning and dimensions of culture; organizational culture and diversity; cross-cultural communication and negotiation; strategy formulation and implementation; entry strategies and organizational structures; managing political risk, government relations, and alliances; management decision and control; and motivation, leadership, human resource selection, and development across cultures.
Prerequisite: IBUS 3510

IBUS 4520
International Trade Finance *3 credits (3,0,0)*

Students develop an understanding of the finance principles required to conduct business in a global environment, including import and export, and multinational operations. Topics include globalization; trade risk and risk assessment; methods of payment; use of bonds, guarantees, and letters of credit; currency risk management; export credit insurance; trade finance; structure trade finance; terms of payment; international trade theory; the international monetary market; the global capital market; and foreign direct investment.
Prerequisite: FNCE 2120 or FNCE 3120, IBUS 3510

IBUS 4530
International Trade Law and Logistics
3 credits (3,0,0)

Students examine sales, transportation, and logistics and their special legal requirements in an international trade context. Topics include a comparison of international legal systems; international sales of goods including transportation, insurance, and instruments of payment; international sales through foreign intermediaries such as sales agents or independent distributors; international licensing of intellectual property such as patents, trademarks, and copyright; international joint ventures; international trade agreements and dispute resolution mechanisms; supply chain management in an international context; role of global supply chain management in the formation of international business strategies; and emerging issues in international trade.
Prerequisite: IBUS 3510, BLAW 2910, SCMN 3320, SCMN 3320

IBUS 4540
Global Entrepreneurship *3 credits (3,0,0)*

Students explore entrepreneurship in a global setting. The primary activity is the development of a business plan for a global business venture. Topics include the importance of international entrepreneurship, globalization and the international environment, culture and international entrepreneurship, developing a global business plan, selecting international business opportunities, international legal concerns, alternative entry strategies, the global monetary system, global marketing and research and development, global human resource management, and implementing and managing a global entrepreneurial strategy.
Prerequisite: IBUS 3520, IBUS 4520, MKTG 4470

IDIS 3000
Introduction to Interdisciplinary Study *3 credits (3,0,0)*

Students entering the Interdisciplinary Studies program are introduced to the rationalization and application of interdisciplinary work. The course asks why interdisciplinarity is valid and explores its practice in various contexts in academia and the workplace. Students read essays drawn from across the disciplines and are exposed to a wide variety of interdisciplinary studies.
Prerequisite: 3rd year standing in the Bachelor of Interdisciplinary Studies program

IDIS 4980
Interdisciplinary Studies: The Research Project
3 credits (0,3,0)

The Research Project is required for the completion of the Bachelor of Interdisciplinary Studies degree. Students propose a group research project which requires the use of at least two disciplinary approaches. The research proposal and project is completed under the supervision of a selected faculty member. The assignments include a proposal, a research plan, and conclusions.
Prerequisite: 4th-year standing in the Bachelor of Interdisciplinary Studies degree program

IDIS 4990
Interdisciplinary Studies: The Graduating Essay
3 credits (0,3,0)

The graduating essay may be written with the approval of the Bachelor of Interdisciplinary Studies Coordinator. The paper is completed under the direction of a selected faculty member, is read by three other faculty members, and is defended orally at an exam set up by the supervisor.
Prerequisite: 4th year standing in the Bachelor of Interdisciplinary Studies degree program

IDIS 5030
Directed Studies in Interdisciplinary Studies
3 credits (0,3,0)

Students undertake an investigation on a specific topic as agreed upon by the faculty member and the student.
Prerequisite: Graduate student standing and permission of the instructor(s). In special circumstances, undergraduate students with 4th-year standing may be allowed to enrol.

IEIM 1000
Industrial Electrical Instrument Mechanic (750 hours)

Industrial Instrument Mechanics install, repair, maintain and adjust instruments used to measure and control industrial processes such as pulp and paper manufacturing and petrochemical production. Students are introduced to theory and gain hands-on lab experience in the following topics: safe work practices; using effective communication skills; solving problems using applied mathematics; analytical troubleshooting techniques; using computers; and leading teams to manage electrical installation and maintenance projects.
Prerequisite: Grade 12 Graduation or equivalent Accuplacer English 0600 and Math 0600

IIME 1010
Theory for Industrial Instrumentation Mechanic
(135 hours)

This course covers the theory related to instruments used with control and communication systems to: monitor and control the flow of gases and liquids, measure

and adjust temperature, measure and adjust pressure, and measure and monitor levels of materials to control an industrial process. The reason for safety and process monitoring systems is introduced as well as the basic principles of pneumatic and hydraulic systems. The proper use of manufacturer's specifications for installation, calibration and troubleshooting is also discussed.

IIME 1110
Shop Practical for Industrial Instrumentation Mechanic (165 hours)

This course covers the hands-on work related to installation of instruments used with control and communication systems to: monitor and control the flow of gases and liquids, measure and adjust temperature, measure and adjust pressure, and measure and monitor levels of materials to control an industrial process. Hands-on operation of safety and process monitoring systems is introduced as well as the operation of basic pneumatic and hydraulic systems. The proper use of manufacturer's specifications for installation, calibration and troubleshooting is used.

IMEC 1010
Industrial Instrument Mechanic – Theory (45 hours)

Students are introduced to the theory related to instruments used with control and communication systems to: monitor and control the flow of gases and liquids, measure and adjust temperature, measure and adjust pressure and measure and monitor the levels of materials to control an industrial process. The reason for safety and process monitoring systems is introduced as well as the basic principles of pneumatic and hydraulic systems. The proper use of manufacturer's specifications for installation, calibration and troubleshooting is discussed.
Prerequisite: Grade 12 Graduation or equivalent, ENGL 0600, Accuplacer MATH 0600

IMEC 1110
Industrial Instrument Mechanic - Practical Shop (80 hours)

Students complete the "hands on" work related to the installation of instruments used with control and communication systems to: monitor and control the flow of gases and liquids, measure and adjust temperature and pressure and measure and monitor levels of materials to control an industrial process. "Hands on" operation of safety and process monitoring systems is introduced as well as the operation of basic pneumatic and hydraulic systems. The proper use of manufacturer's specifications for installation, calibration and troubleshooting is followed.
Prerequisite: Grade 12 Graduation or equivalent, ENGL 0600, Accuplacer MATH 0600

JAPA 1110
Introductory Japanese 1 (L) *3 credits (3,0,1)*

This course allows beginners to develop cultural knowledge and communicative skills in speaking, listening, reading, and writing in modern standard Japanese. Upon successful completion of this course, students are expected to demonstrate a CEFR A1 level of proficiency.
Exclusion: Students who have completed Japanese in Grade 11 or equivalent within the last two years may not take this course for credit unless approved by Modern Languages.

JAPA 1210
Introductory Japanese 2 (L) *3 credits (3,0,1)*

Students build on the skills acquired in JAPA 1110: Introductory Japanese 1. Upon successful completion of this course, students are expected to demonstrate a CEFR A1+ level of proficiency.
Prerequisite: JAPA 1110 or equivalent
Exclusion: Students who have completed Japanese in Grade 11 or equivalent within the last two years may not take this course for credit unless approved by Modern Languages.

JAPA 1510
Japanese for Tourism (L) *3 credits (3,0,1)*

Tourism students prepare to speak Japanese in order to serve Japanese visitors to Canada in a hotel, restaurant, or retail shop setting. Upon successful completion, students are expected to demonstrate a CEFR A1 level of proficiency.
Prerequisite: Enrollment in the Tourism Diploma Program
Exclusion: Students who have completed Japanese in Grade 11 or equivalent within the last two years may not take this course for credit unless approved by Modern Languages.

JAPA 2110
Intermediate Japanese 1 (L) *3 credits (3,0,1)*

Students further develop their communicative skills in speaking, listening, reading and writing, and explore language from a variety of different areas, registers and periods. Upon successful completion, students are expected to demonstrate a low CEFR A2 level of proficiency.
Prerequisite: JAPA 1210 or equivalent

JAPA 2150
Oral Japanese 1 (L) *3 credits (3,0,1)*

This course, conducted in Japanese, is designed to enhance oral communicative skills. Students review Japanese grammar and expand their vocabulary. A variety of activities enable students to progress to a superior level of fluency. Upon successful completion of this course, students are expected to demonstrate a CEFR B1+ - B2 level of proficiency.
Prerequisite: JAPA 2110 or equivalent.
Exclusion: Native speakers of Japanese may not take this course for credit.

JAPA 2210
Intermediate Japanese 2 (L) *3 credits (3,0,1)*

Students solidify their skills and extend their knowledge while they are introduced to increasingly advanced language structures. Upon successful completion, students are expected to demonstrate an intermediate CEFR A2 level of proficiency.
Prerequisite: JAPA 2210 or equivalent

JAPA 2250
Oral Japanese 2 (L) *3 credits (3,0,1)*

This course is a continuation of JAPA 2150: Oral Japanese 1. Upon successful completion of this course, students are expected to demonstrate a CEFR B2 level of proficiency.
Prerequisite: JAPA 2150 or permission of Modern Languages
Exclusion: Native speakers of Japanese may not take this course for credit

JAPA 2500
Japanese for Business 1 (L) *3 credits (3,0,1)*

This course is intended for students with a basic level of Japanese language, and who wish to further their language skills for the Japanese business world. This course is designed to provide a basic understanding of terminology used in functional business areas, and an introductory knowledge of Japanese business customs, manners, and structure.
Prerequisite: JAPA 1210 or equivalent.

JAPA 2510
Japanese for Business 2 (L) *3 credits (3,0,1)*

This course is intended for students with a basic level of Japanese language, and who wish to further their knowledge of language skills for the Japanese business world. Spoken language skills appropriate for business meetings, the office, politeness strategy, and various business contexts are introduced. This course is a continuation of JAPA 2500: Japanese for Business 1.
Prerequisite: JAPA 2500 or equivalent.

JAPA 2600
Aspects of Japanese Culture 1 (L) *3 credits (3,0,1)*

In this survey course, students are introduced to aspects of Japanese culture and society. The course explores Japan from the Meiji Restoration (1868) to the Second World War. Students focus on the development of basic Japanese social, cultural, and political ideas. The course is conducted in English; no knowledge of Japanese is required.

JAPA 2610
Aspects of Japanese Culture 2 (L) *3 credits (3,0,1)*

In this survey course, students are introduced to aspects of Japanese culture and society. The course explores modern Japan in the post-war era. Students focus on the development of basic Japanese social, cultural, and political ideas that have shaped modern Japanese society. The course is conducted in English; no knowledge of Japanese is required.

JOIN 1010
Entry Level Joinery Theory (180 hours)

Students are introduced to theory for the following topics: Using safe work practices, using organizational skills, selecting materials, using hand tools, using portable power tools, using woodworking machines, assembling products and applying finishing materials.

JOIN 1110
Entry Level Joinery Practical (420 hours)

Students gain experience from hands-on training in the carpentry shop in the proper and safe use of joinery hand tools, portable power tools, woodworking machines and applying finishing products to wood surfaces.

JOUR 2010
Studies in Journalism *3 credits (3,0,0)*

This is a variable content course offering an introduction to topics in contemporary journalism studies. Students explore social and political issues in Canadian journalism, journalism and film, journalism and media studies, and journalism and the new media.

Prerequisite: Admission to the Journalism program or the Bachelor of Arts, Major in Communication or permission of the Chair.

JOUR 2020
Media Theory and History *3 credits (2,1,0)*

This is a critical introduction to media theory and history, with an emphasis on the development of journalism as part of the operation of Canadian media organizations. Students are familiarized with basic media theory, and the structure, history, and general operations of media institutions in Canada.
Prerequisite: Admission to the Journalism program, or the BA, Major in Communication, or permission of the chair.

JOUR 2060
Introduction to Multimedia (L) *3 credits (2,2,0)*

Students connect journalistic storytelling with the multi-media and social media tools used by professionals to reach a wide range of audiences. Coursework includes social media; storytelling with audio and video; and the use and critical evaluation of blogs as sources and sites for news.
Prerequisite: Admission to the Journalism program, or BA, Major in Communication, or permission of the chair

JOUR 2200
Introduction to Reporting Skills and Techniques (L) *3 credits (2,2,0)*

Students are introduced to the basics of gathering information in journalism, including planning, networking, researching, evaluating, interviewing, summarizing, critical thinking and deadline writing. Students explore the basic issues of journalism, including media law and ethics, and the beats of journalism, such as justice reporting and municipal reporting. The practical and applied principles, values and behaviour of effective journalism are discussed.

Prerequisite: Admission to the journalism program, the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 2210
Introduction to News Photography and Videography *3 credits (3,0,0)*

Students are introduced to the practical skills of photojournalism through planning, composing, shooting and editing digital still photos and digital video in a journalistic, newsworthy style. Students are instructed in the effective visual composition of images, in addition to interviewing technique with a video camera, the creation of the 'decisive moment' in still photos and of narrative in a video form, and the processing of digital images with Photoshop and Final Cut Pro. Students also explore theoretical issues of ethics, privacy and legal considerations in press photography and videography.
Prerequisite: Admission to Journalism program, or the BA Major in Communication, or permission of the department chair.
Corequisite: JOUR 2200

JOUR 2800
Journalism Career Prep 1 *1 credit (1,0,0)*

Students explore the range of career possibilities in journalism, public relations and organizational communication. Students develop job-search skills, create and maintain a professional portfolio, and prepare for future work experience in the field of journalism and communication.
Prerequisite: Admission to Journalism program, BA, Major in Communication, or permission of the Department Chair

JOUR 3030
News Writing *3 credits (2,2,0)*

This course takes the student from a brief review of grammar to the introduction of techniques for journalistic writing, revising, and editing, including copy editing and Canadian Press style. Students start with the basics and progress to increasingly advanced techniques.
Prerequisite: Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 3110
Layout and Design for Newspapers and Magazines *3 credits (2,2,0)*

Students examine the production of newspapers and magazines in theory and practice, and apply the skills, principles, values and theories involved in print publications. The stages of production are explored, from the conception of a unique publication, to creating stories and photos, and to the designing and laying out of newspapers and magazines using InDesign and Photoshop. Students design and create their own distinctive layout.
Prerequisite: Admission to the Journalism program, the BA Major in Communication, or the permission of the chair.

JOUR 3160
Online Journalism (L) *3 credits (2,1,0)*

Students focus on developing the skills and knowledge required for online journalism. Students refine their writing, reporting and editing skills by developing news and features for publication on the Web. Basic HTML language skills are acquired as students become familiar with Web editing and design programs. Students produce a personal/professional web page and help to produce an online newspaper project. Emerging issues in online journalism are examined and discussed. Students work on advanced applications in editing, layout and web publishing software.
Prerequisite: Admission to the Journalism program, the BA Major in Communication, or the permission of the chair

JOUR 3230
Beat Reporting (L) *3 credits (2,2,0)*

Working in the context of the program's newspapers, students explore and experiment with a number of different specialized types of writing, editing and reporting. A variety of beats are covered, such as politics, arts and culture, business and economics, justice and sports. The exact nature of course material varies with student interest and the availability of instruction.
Prerequisite: Admission into the Journalism program, or the BA Major in Communication, or permission of the chair.

JOUR 3400
National and International Media *3 credits (2,1,0)*

Students are familiarized with major international and national media, and exposed to a wide variety of print publications, as they explore how the media helps to form and shape societal values. Students evaluate the major global media consortiums that cross-control newspapers, magazines, movie studios, cable TV channels, networks, music programs and Internet providers today. The relationships and dependencies that Canadian media have at the local, regional, national, and international levels are examined, with a consideration of how governments attempt to control the media.
Prerequisite: Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 3510
Photojournalism (L) *3 credits (2,1,0)*

Students use a digital camera as a reporting tool to reveal events and tell a story about newsworthy subjects that impact society in significant ways. A practical and working knowledge of digital camera equipment is developed as students work with journalistic photo composition and the advanced processing of digital photos through Photoshop. The legal requirements and ethical behaviour of responsible photojournalism is discussed. The photojournalistic image as a distinct form of representation is also explored according to leading theorists.
Prerequisite: admission to the journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 3520
Journalism Research Methods *3 credits (2,1,0)*

This course covers the basic principles and techniques of research from a journalistic perspective, showing students how to fashion and execute a focused research plan for their articles. It covers a range of topics including how to gather information, interview sources, accessing public, historical and legal records and computer-assisted reporting .
Prerequisite: Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair

JOUR 3540
Feature Writing *3 credits (2,1,0)*

Building on the news writing skills acquired in JOUR 3030: News Writing, students are introduced to the feature article. Through the use of modelling and other techniques, students learn to recognize a good idea for a feature article and how to execute that idea in a publishable finished product. Additional topics include the essentials of revising for publication and the basics of freelance feature writing.
Prerequisite: Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair

JOUR 3550
Media and Public Relations *3 credits (2,1,0)*

Students develop key skills and techniques used in the field of media and public relations, such as how to prepare and distribute press releases and media kits; how to arrange press conferences and media events; and coaching organizational spokespersons in media relations.
Prerequisite: Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 3700
Media Law and Ethics *3 credits (2,1,0)*

This course provides an overview of the legal and ethical situations and circumstances that commonly confront journalists and other media professionals. Topics include libel, contempt of court, freedom of information, privacy legislation, copyright, confidentiality, protection of sources, and the use of 'off-the-record' remarks.
Prerequisite: Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 3800
Journalism Career Preparation 2 *1 credit (1,0,0)*
Students are instructed in how to find and apply for field experience in journalism-related placements. Students explore strategic planning and job-hunting techniques; prepare professional cover letters and resumes, and build and maintain a professional portfolio.
Prerequisite: JOUR 2800, Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 3980
Journalism Internship *3 credits (0,3,0)*
Through a six-to-twelve-week supervised field experience, this course helps students explore the range of career possibilities in journalism, public relations, and organizational communication. Students will propose internship placements in collaboration with department faculty. Department supervision and evaluation of field work is completed in collaboration with a field supervisor.

JOUR 3990
Directed Study: Internship *3 credits (0,3,0)*
Journalism Internship Studies provides guided online support for those Journalism students engaged in 12-week internships. Working with an instructor via the Journalism Internship Web site, students will complete assignments designed to help support the internship experience.
Prerequisite: Entry into Journalism Program or permission of the instructor
Corequisite: Internship placement

JOUR 4020
Advanced Media Theory *3 credits (2,1,0)*
Students explore cultural-critical theories of mass communication, drawing on the works of theorists, such as John Thompson, Robert McChesney, and Neil Postman. Students apply the critical perspectives discussed in this course to their own media use.
Prerequisite: Admission to the Journalism program or the Bachelor of Arts, Major in Communication, or permission of the Chair
Recommended: JOUR 2020

JOUR 4110
Issues in Journalism: A Case Studies Approach
3 credits (2,1,0)
Students explore journalism decision-making by studying real-life incidents involving journalists on the job. The case-study method allows students to consider the complexity of the challenges facing journalists on a daily basis, such as questions involving ethics, reporting and interviewing techniques, sourcing, bias and objectivity, news cycles, societal and personal assumptions, and changing technology - all while operating under deadline in a competitive and often stressful environment. Students also read and discuss critical assessments of journalism and analyze the performance of journalists today.
Prerequisite: Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 4130
Advanced Online and Multimedia Journalism (L)
3 credits (2,2,0)
Students build on skills and concepts learned in previous online journalism and multimedia classes. Students become familiar with advanced multimedia and online news presentation techniques. Advanced skills and techniques are then used to produce collaborative multimedia news projects.
Prerequisite: Admission to the Journalism program or the Bachelor of Arts, Major in Communication, or permission of the Chair.
Recommended: JOUR 3160

JOUR 4150
Popular Science, Nature, and Technology Writing *3 credits (2,1,0)*
Students learn the history and application of skepticism and critical thinking to journalism as it filters, evaluates, translates and packages information about science, technology and the environment in a form acceptable to a general mainstream audience. Styles and strategies of critical non-fiction writing are explored, and the essential communication issues of narrative, voice, and ethics are examined. Students develop their own distinct and original writing for science, nature, or technology, designed for a typical mainstream publication in print, video or online.
Prerequisite: Admission to the journalism program, or the Bachelor of Arts, major in communication, or permission of the Chair.

JOUR 4210
Freelance Writing *3 credits (2,2,0)*
This course is an intensive workshop in freelance writing, focused on the researching, writing, and selling of freelance articles. The course acts as a form of self-directed study with a collaborative edge. Students are expected to keep a writing log in which they zero in on special interests and special problems. Work is submitted (and revised and re-submitted when necessary) for publication. This course is designed to refine and strengthen the individual's sense of writing self (to facilitate the charting of a freelance career), and to provide a solid introduction to the business of professional freelance writing.
Prerequisite: Admission into the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 4270
Investigative Journalism *3 credits (2,2,0)*
Students are instructed in the high-level research skills used by investigative journalists to uncover information that has often been deliberately hidden from public scrutiny. Students learn to recognize opportunities for, and execute, investigative work.
Prerequisite: Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 4310
Literary Journalism: Studies in Narrative Non-Fiction
3 credits (3,0,0)
This course provides a topical introduction to literary journalism and additional forms of creative nonfiction through a survey of the best works in the genre. Through close reading of selected works and targeted writing exercises, the course enhances students' appreciation for the craft of journalism and for the range of literature, beyond daily reportage, that the craft accommodates.
Prerequisite: Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the Chair.

JOUR 4580
Alternative Media *3 credits (2,2,0)*
This course examines the history and development of alternative media from the underground newspapers of the 1960s through the alternative press that grew up in its wake (into the now-familiar entertainment rags of most sizeable North American cities) to a final survey of the dizzying profusion of so-called alternatives (zines, indymedia sites, and the like) available - indeed, ever multiplying - in the current electronic environment and information era. The purpose of such examination is twofold: to instill in aspiring journalists a critical and historical awareness of media forms (and their relation to content) and to foster understanding of the important role of that journalists play in the push-and-pull of public discourse.
Required Seminar: JOUR 4580S
Prerequisite: Entry into Journalism Program or Permission of Instructor

JOUR 4590
Outlaw Journalists *3 credits (2,1,0)*
Journalism has a strong tradition of outlaw writers who break the conventions of society and of journalism. These writers do that through style and content and through the way they practise the craft of writing. Some of these journalists found an audience that allowed them to rebel from inside newspapers and the publishing industry, and others are outcasts who used the craft of writing to rage against their circumstances. The effect of these writers has been so strong that they have altered the path of journalism and made changes in both society and writing.
Prerequisite: Entry into the Journalism Program or Permission of Instructor

JOUR 4750
Journalism Senior Project (L) *3 credits (0,3,0)*
Students complete an independent journalism project. Acceptable projects include original investigative stories or a series of stories on a specific subject or issue. Students may do print, broadcast or web-based projects and are encouraged to have their work published in a professional publication, news program or website. Students meet in a weekly seminar to discuss and critique their work.
Prerequisite: Fourth-year standing in Journalism and permission of the chair.

JOUR 4800
Journalism Career Prep 3 (L) *1 credit (1,0,0)*
Students prepare for the transition to a career in journalism, public relations or communication. As the last in a series of career preparation courses, this course provides a final opportunity for students to understand the career possibilities in the field; develop job-search skills and abilities; create and maintain professional portfolios; prepare for field experience during their education; and transition successfully from school to work after graduation.

Prerequisite: JOUR 2800 and JOUR 3800, Admission to the Journalism program, or the Bachelor of Arts, Major in Communication, or permission of the department Chair.

JOUR 4950
Directed Study *3 credits (3,0,0)*

Students work independently, under the supervision of a faculty member on a selected journalism topic. There are generally 1-3 students enrolled in the course. The instructor provides students with a syllabus or program of study and a set of assignments on the material. Students meet regularly with the instructor throughout the semester to discuss the material and gauge progress. The department Chair and the Dean must approve course topics.

With the permission of the program Chair, students may be permitted to undertake independent study in an area of special interest in the field of journalism.

Prerequisite: Entrance to the Journalism Program

JUST 1140
Human Behaviour *3 credits (4,0,0)*

Students analyze elements of human behaviour from the criminal justice perspective. Four fundamental themes are examined. The first theme explores the importance of self-awareness in developing effective communication in a team-based environment. Building upon the individual's awareness of personal behavioural tendencies and preferences, the second theme focuses on the development and enhancement of critical communication and conflict resolution skills. To provide students with an overview of mental health issues that affect criminal justice personnel and the public they assist, the third theme examines elements of psychological distress and dysfunction as well as support strategies for people in crisis. The final component of the course conveys a variety of aspects relating to a justice-related career including mental health, harassment, and multicultural issues.

Prerequisite: Admission to the Police and Justice Studies diploma program

JUST 1250
Tactical Communication Skills for Criminal Justice
3 credits (4,0,0)

This course contains two core themes pertaining to effective communication skills for public safety personnel. The first theme examines the foundation for communication skills required to effectively interview witnesses, victims and accused, including: probing, questioning techniques, listening, paraphrasing, summarizing, and documentation. The second theme builds on previous interviewing skills by incorporating conflict resolution and crisis intervention techniques. A variety of strategies to identify deceptive people, and response techniques for law enforcement personnel are practiced and discussed. The National Use of Force Model is introduced, and the use of verbal intervention skills using the Use of Force Model is also discussed.

Prerequisite: Admission to the Police and Justice Studies diploma program

JUST 1310
Introduction to Criminal Justice Services in Canada
3 credits (4,0,0)

This course offers a complete overview of the Canadian criminal justice system. Students begin by examining the legislative, structural, and operational components of the criminal justice system, and reviewing the roles and responsibilities of the professionals who work within this system. Next, students follow the process and discuss the rights of an accused person as they travel through the system, from the commission of an offence to conviction and sentencing. Students also examine the rights of the victims of crime and their impact on the sentencing of adult and young offenders. Finally, alternatives to the criminal justice court process and their affects on the system as a whole are considered.

Prerequisite: Admission to the Police and Justice Studies diploma program

JUST 2350
Introduction to Canadian Law and Legal Institutions
3 credits (4,0,0)

This course provides an overview of the basic legal institutions in Canada, and the fundamental principles of common law. Students discuss how laws are developed and evolve, the Canadian court system, and the exercise of judicial power. The course also includes a general introduction to the substantive areas of torts, family law, administrative law, and criminal law.

Prerequisite: Admission to the Police and Justice Studies diploma program, 2nd year standing

JUST 2450
Police Skills (L) *3 credits (2,0,2)*

This course offers students an opportunity to practice the use of force techniques in the gymnasium. Students engage in hand-to-hand self defence training, including handcuffing techniques, pressure points and control tactics, defensive baton techniques, and subject control techniques. This course is physically intensive and provides hands-on practical experience for students.

Prerequisite: Admission to the Police and Justice Studies diploma program, 2nd year standing, valid British Columbia Class 5 drivers licence a doctor's permission to participate in strenuous physical activity.

JUST 2510
Introduction to Policing *3 credits (4,0,0)*

The objective of this course is to provide the foundation for students on policing in Canada, from the principles of Sir Robert Peel to policing in the present. Students explore navigating the Criminal Code, identify offences, prepare reports on criminals, learn about Community Policing principles, and discover various departments within police organizations. Students also participate in crime scene investigations, including the taking of fingerprints, the collection of evidence, and recording information in their police notebooks.

Prerequisite: Admission to the Police and Justice Studies diploma program, second year standing

JUST 2810
Field Work Practicum *3 credits (0,2,2)*

Students are introduced to various aspects of the field of justice by participating in hands-on activities. Students are expected to develop and present a community policing activity to the public during the semester, including creating all instructional media, meeting with schools or service groups, and setting up their presentations. Other topics include Possession and Acquisition Licence (PAL) firearms training; RCMP Physical Abilities Requirement Evaluation (P.A.R.E.) testing; driving course(s); directing traffic; and accident investigations and scenario-based training using actors. Students also tour law enforcement facilities and participate in recruiting sessions with law enforcement groups.

Prerequisite: Admission to the Police and Justice Studies diploma program, 2nd year standing pass a Criminal Record check

LAWF 3010
Constitutional Law *5 credits (3,0,0)(3,0,0)*

Students are introduced to the basic elements of Canadian constitutional law. Topics include the nature of constitutions and constitutional processes; principles of constitutional interpretation; constitutional amendment; and Federal/Provincial distribution of legislative powers including the federal general power, natural resources and public property, provincial property and civil rights, trade and commerce, provincial taxation, transportation, communications, and criminal law. Students also examine the Canadian Charter of Rights and Freedoms including principles of limitations, remedies, interpretation, application, fundamental freedoms, democratic and language rights, mobility rights, legal rights, equality rights, and Aboriginal rights.

LAWF 3020
Legal Perspectives *3 credits (3,0,0)*

This course provides an introduction to legal and judicial reasoning. Students examine various legal theories including natural law, positivist, realist, liberal, feminist and other legal perspectives.

LAWF 3030
Contracts *5 credits (3,0,0)(3,0,0)*

Students undertake a legal and policy analysis of the basic principles and fundamental concepts of the law of contracts as they relate to commercial and consumer transactions. Students explore the following: the formation of contracts including offer, acceptance and consideration; estoppel; privity; terms of contract, including exemption clauses; standard form contracts; bailment; mistake, misrepresentation and unconscionability; termination, including the doctrine of frustration; breach and remedies for breach; and dispute resolution processes. Emphasis is placed not only on knowledge of rules and principles, their historical derivation, rationale, efficacy and social validity, but also upon the creative use of contracts to both avoid and resolve disputes.

LAWF 3040
Legislation, Administration & Policy *3 credits (3,0,0)(3,0,0)*

Students examine the fundamentals of the legislative process: policy development, legislative drafting, public bill process, and statutory interpretation. The interaction of law and policy in the development of legislation, statutory interpretation and the work of administrative tribunals are discussed, along with the fundamentals of the administrative process: subordinate legislation, administrative institutions, forms of dispute resolution, delegation, discretion, process and judicial review. Students make substantive law connections with other first year courses. The functions of the lawyer within these processes are examined, including issues of professional responsibility. Emphasis is placed on skill development in oral advocacy and drafting both legislation and private law documents.

LAWF 3050
Property *5 credits (3,0,0)(3,0,0)*

This course is an examination of the fundamental concepts of property law and the types of property interest recognized by Anglo-Canadian law. Topics include the historical evolution of property concepts; the basic concepts of possession, ownership and title; estates and other interests in land such as joint and concurrent ownership, easements, covenants, licenses, mortgages, future interests and perpetuities; the landlord and tenant relationship; the land titles system of registration of title to land; the social constraints upon property use and disposition; and property rights of aboriginal peoples.

LAWF 3060
Fundamental Legal Skills ***3 credits (3,0,0)***
Students are introduced to the following: legal method, systems and institutions; sources of law; legal analysis, including case analysis and problem-solving skills; court systems; precedent, stare decisis; legal writing and communication, including memoranda and facta; oral advocacy, including mooting; research databases and legal research skills.

LAWF 3070
Torts ***5 credits (3,0,0)(3,0,0)***
Students analyze and critique the law of torts, primarily the law of negligence, with personal injury as the main focus, although other torts are also introduced. Topics include the nature of tort law and its process; an anatomy of the law of negligence, including the nature and extent of liability, defenses, remedies, and the assessment of damages; intentional torts; economic torts; strict liability; bailment; the impact of private insurance on the tort system; alternative forms of compensation.

LAWF 3080
Crime: Law & Procedure ***5 credits (3,0,0)(3,0,0)***
This course provides an anatomy of criminal conduct and its legal treatment, utilizing a limited range of criminal offences. Students examine the designation of human conduct as criminal and consider the social, cultural and political forces involved. Other topics include: the development of the criminal process in English common law, its translation to Canada and embodiment in the Criminal Code; the substantive elements of a criminal offence, including both physical and mental elements; the common law and code defenses; procedural, tactical, ethical and evidential problems associated with criminal prosecution at both the pre-trial and trial stages; the sentencing process; and the position at law of the victim.

LAWF 3090
Dispute Resolution 1: Interviewing and Counselling
1 credit (1,0,0)
This course is an introduction to dispute resolution. Topics include conflict analysis; an overview of dispute resolution processes; fact-finding through client interviewing; client-centred counselling; ethical issues.

LAWF 3400
Intellectual Property Law ***3 credits (3,0,0***
Students examine the concepts and laws around intellectual property, including the law of patents, copyrights, and trade-marks.

LAWF 3450
International Trade Law ***3 credits (3,0,0***
Students analyze the public law framework for international trade, with an emphasis on the World Trade Organization and North American Free Trade Agreement. Topics include national treatment; most-favoured nation treatment; anti-dumping and countervail actions; and dispute resolution.

LAWF 3500
Insurance Law ***3 credits (3,0,0)***
Students are introduced to various types of insurance (e.g. fire, life, sickness and accident, motor vehicle, and liability). Topics include the nature and formation of the insurance contract; the role of insurance agents; insurable interest; misrepresentation and non-disclosure; and the rights of third parties against the insurer.

LAWF 3510
Jurisprudence ***3 credits (3,0,0)***
This course is a critical inquiry into the nature and functions of law and justice, including natural law, legal positivism, sociological jurisprudence, legal realism, and contemporary theorists.

LAWF 3520
Tax Policy ***3 credits (3,0,0)***
Students explore principles of tax policy (efficiency, equity, and simplicity) and applications related to income, sales, and payroll taxes. Topics include the economic and distributive effects of taxes, auditing and legal compliance, and political economy.

LAWF 3570
Advanced Criminal Law ***3 credits (3,0,0)***
Examination of selected substantive areas of criminal law. Topics may include double jeopardy, police entrapment, conspiracy, corporate crime, theft, impaired driving and breathalyzer offences, plea negotiations, ethical issues, mistake of law as a defence, and juveniles and the criminal process.
Prerequisite: LAWF 3810
Corequisite: LAWF 3810

LAWF 3600
Conflict of Laws ***3 credits (3,0,0)***
This course is a discourse of the doctrines and rules governing legal disputes cutting across provincial or national boundaries. Topics include jurisdiction; distinctions between substantive and procedural rules; the recognition and enforcement of foreign judgements; domicile; proof of foreign law; and the choice of law rules relating to private law (torts, contracts, property, succession and family law).

LAWF 3610
Real Estate Transactions ***3 credits (3,0,0)***
This course is an examination of estate transactions. Topics include the purchase and sale of property; mortgaging and other ways to finance land transactions; commercial leasing arrangements; and the Land Titles Act as it relates to land development.

LAWF 3620
Bankruptcy and Restructuring Law ***3 credits (3,0,0)***
Topics in this course include receivership, consumer and commercial arrangements, and bankruptcy under the Bankruptcy Act and the Company Creditors Arrangements Act.

LAWF 3630
Advanced Public Law ***3 credits***
Students examine selected issues in constitutional law at the advanced level. Topics may include constitutional amendment, comparative approaches to rights, comparative federalism, the role of international law in constitutional litigation, the role of social movements, and strategic litigation in securing constitutional rights.

LAWF 3640
Secured Transactions ***3 credits (3,0,0)***
In this course, students consider in detail the modern law of secured transactions and the financing of personal property, with a focus on British Columbia's Personal Property Security Act.

LAWF 3650
Unjust Enrichment ***3 credits (3,0,0)***
Students assess unjust enrichment as an independent source of legal obligation. Topics include elements of the right of action and defences; restitution as the remedy, with particular emphasis on personal versus proprietary restitution; and disgorgement of wrongful gain, distinguished from restitution using breach of fiduciary obligation as the primary example.

LAWF 3660
Health Law ***3 credits (3,0,0)***
Students evaluate the regulation, structure, and financing of the health care system. Topics include licensing and regulation of health care professionals (including medical malpractice claims as a form of regulation); regulation of biomedical research; approval processes for drugs, complementary therapies, and medical devices; resource allocation and access to health care; market considerations; privatization and deregulation of health care; and consent and confidentiality.

LAWF 3670
Corporate Tax ***3 credits (3,0,0)***
Students examine the provisions of the Income Tax Act applicable to corporations and their stakeholders. Topics include the classification of corporations for tax purposes; the taxation of corporate income; the taxation of corporate distributions; and the taxation of various types of corporate reorganizations.
Prerequisite: LAWF 3800, LAWF 3830
Corequisite: LAWF 3830, LAWF 3800

LAWF 3680
Immigration and Refugee Law ***3 credits (3,0,0)***
Students explore the basic principles, policies, and procedures governing immigration and refugee law. Topics include refugee law and status; selection and admission of immigrants; inadmissible and 16 non-removable classes; exceptions and the minister's permits; and appeals and judicial review in the Federal Court including Charter issues.
Prerequisite: LAWF 3900

LAWF 3690
Law and Economics ***3 credits (3,0,0)***
Students examine the practical and theoretical implications arising from the application of economic reasoning to law. Topics include the economic method of legal analysis and the scope of its application, and the major critical responses in both traditional legal fields of economic influence (such as tort, contract and corporate law), and more novel areas (such as family and criminal law).

LAWF 3700
Public Lands and Natural Resources Law
3 credits (3,0,0)
This course will provide an opportunity for students to consider in detail the protection, exploitation, and management of Crown-owned lands and renewable and non-renewable natural resources (other than oil and gas, and including forestry, range land, minerals, wildlife, fisheries, wilderness, recreational, and heritage). Students discuss the nature of public ownership, public and private values, economic approaches, and inter-jurisdictional management.

LAWF 3710
Remedies ***3 credits (3,0,0)***
Students assess judicial remedies at common law and equity for tort and breach of contract, including personal injury and property damage. Themes include compensating loss, disgorging gain, and punishing civil wrong; prohibiting and compelling defendant behaviour; loss-based, gain- based, and punitive damages; and injunctions and specific performance.

LAWF 3720
Trusts ***3 credits (3,0,0)***
Students explore the concept of the trust, its development in equity, and its relationship to other legal concepts. Topics include various types of trusts; constituting, administering and terminating the trust; trustee duties and powers; variation of trusts; breach of trust; and the doctrine of tracing.

LAWF 3730
Human Rights Law ***3 credits (3,0,0)***
This course is a survey of national and provincial human rights laws and practice as distinct from the Charter of Rights and Freedoms, and an introduction to the main international and transnational human rights instruments and standards.

LAWF 3740
International Law ***3 credits (3,0,0)***
Students examine the elements of public international law, including sources, the role of customary law, the law of treaties, recognition, state responsibility, and the roles and powers of international organizations.

LAWF 3750
Canadian Legal History **3 credits *(3,0,0)***
Migration and European law in the colonial context and its impact in pre-Confederation Canada (settled and conquered colonies); the role of trading companies, particularly the Hudson's Bay Company; the impact of the United States both before and after Confederation; Confederation and the development of Canadian legal culture and law. Jurisdictions may include British Columbia, Alberta, Ontario, Quebec, and Nova Scotia.

LAWF 3760
Directed Research ***3 credits (3,0,0)***
Students complete a supervised research project involving the in-depth examination of a legal problem or area of concern not normally covered in a substantive or procedural course and which provides the basis for an article, research paper, brief, memorial, or draft legislation. Admission to this course depends on the availability of supervising faculty. THIS COURSE MAY BE REPEATED FOR CREDIT

LAWF 3770
Selected Topics 1 ***2 credits (2,0,0)***
Students focus on a variety of subject areas, either doctrinal or theoretical. THIS COURSE MAY BE REPEATED FOR CREDIT

LAWF 3780
Selected Topics 2 ***3 credits (3,0,0)***
Students focus on a variety of subject areas, either doctrinal or theoretical. THIS COURSE MAY BE REPEATED FOR CREDIT

LAWF 3790
Selected Topics 3 ***4 credits (4,0,0)***
Students focus on a variety of subject areas, either doctrinal or theoretical. THIS COURSE MAY BE REPEATED FOR CREDIT.

LAWF 3800
Business Associations ***3 credits (3,0,0)***
This course is a detailed survey of the common forms of business organization, including the law of agency, partnerships, limited partnerships, and societies and corporations, with a focus on the corporation and the rights and responsibilities of shareholders and directors.

LAWF 3810
Criminal Process ***3 credits (3,0,0)***
This course is a survey and critical examination of the core aspects of criminal process law. Students focus on legislation relating to jurisdiction and modes of trial including obligations of and options available to prosecution and accused. Other topics include arrest, search and seizure, investigative detention, and right to counsel and silence, all within the context of the Charter of Rights and Freedoms.

LAWF 3820
Family Law ***3 credits (3,0,0)***
This course is an analysis of the legal principles affecting the rights and responsibilities of the members of the family. Topics include constitutional issues, marriage, marriage contracts, common law marriage, child neglect and abuse, custody and access, guardianship, adoption, separation, divorce, nullity, spousal and child maintenance, and matrimonial property. Emphasis is placed on the process of family law and the appropriate role for lawyers and judges.

LAWF 3830
Basic Tax Law ***3 credits (3,0,0)***
Students study the basic language and concepts of taxation and learn to identify taxation issues. Topics include the unit of taxation; the meaning and taxation of income; taxation of benefits; the type and scope of deductions available for business income; and the taxation of capital gains including gains (and losses) on taxpayer assets.

LAWF 3840
Environmental Law ***3 credits (3,0,0)***
Students critically examine legal theories, concepts, principles, and processes relevant to environmental protection. Topics include ecological and ethical dimensions; jurisdictional issues; common law rights and remedies; environmental assessment; public participation; contaminated sites; enforcement and compliance; economic approaches; endangered species and protected spaces; land use planning; and environmental dispute resolution.

LAWF 3850
Employment Law ***3 credits (3,0,0)***
Students examine the law governing non-unionized workplaces in Canada. Topics include constitutional jurisdiction; defining the employment relationship and employer/employee status; the employment contract; implied rights and obligations; termination; reasonable notice of dismissal; constructive dismissal; cause for summary dismissal; human rights; and employment standards legislation.

LAWF 3860
Labour Law ***3 credits (3,0,0)***
Students analyze the law governing unionized workplaces in Canada. Topics include freedom of association; the status of participants; union organization and certification; unfair labour practices; collective bargaining; the collective agreement and arbitration; industrial conflict; the duty of fair representation; and interaction between the labour law regime and the common-law of employment.

LAWF 3870
Wills and Estates ***3 credits (3,0,0)***
Students examine the preparation, execution, interpretation, and administration of wills; testamentary capacity; alteration, revocation and republication of wills; intestate succession; dependent's relief; and estate administration.

LAWF 3880
Sale of Goods ***3 credits (3,0,0)***
Students examine the sale and supply of goods, including the provincial Sale of Goods Act, consumer protection issues, and the Vienna International Sales Convention.

LAWF 3890
Aboriginal Law ***3 credits (3,0,0)***
Students explore the law governing the relationship between indigenous peoples and settler society. Topics include recognition of Aboriginal laws and custom; self-determination and other applicable principles of international law; self-government; common law recognition of Aboriginal title; treaties; the fiduciary duty of the Crown; constitutional entrenchment of Aboriginal and treaty rights; application of provincial laws; the Indian Act; land surrenders; and exemptions from seizure and taxation.

LAWF 3900
Administrative Law ***3 credits (3,0,0)***
Students are introduced to the general structure of administrative decision-making in Canada: how public administrators obtain power and how that power is exercised both at the level of individual adjudication and at the level of the establishment of public policy. This course also provides an introduction to the checks which courts place on the exercise of administrative power. Students discuss the procedures that courts require of administrative agencies and public officials as well as the substantive grounds on which courts may review the decisions of administrative agencies and public officials.

LAWF 3910
Civil Procedure ***3 credits (3,0,0)***
This course is a detailed examination of issues which arise in the progress of a civil action from first meeting the client through to judgment in the Supreme Court of British Columbia. The British Columbia Rules of Court are set in the context of the values underlying them. What sort of civil litigation system do we want? What sort of system do we in fact have? Particular attention is paid to the linkages between the apparently discrete components of the process as set out in the Rules, linkages at the levels of both the underlying values and the actual practice. The use of procedures under the Rules to anticipate and resolve evidence problems that might arise at trial is emphasized. Interprovincial and international aspects of the civil litigation process are also considered.

LAWF 3920
Evidence ***3 credits (3,0,0)***
This course is an examination of the fundamental concepts of evidence law, including the traditional rules as compared to the emerging principled approach, and such core and primary topics as the adversary system; relevance and discretionary exclusion; privilege; burdens of proof; character evidence; judicial notice; competence and compellability; examination of witnesses; hearsay; and opinion evidence.

LAWF 3930
Ethical Lawyering ***3 credits (3,0,0)***
This course is an introduction to issues of legal ethics and professional responsibility. Students become competent at ethical reasoning in the context of legal practice. To achieve this goal, the course covers selected topics in the 'law of lawyering' (for example, the Law Society of British Columbia's Code of Professional Conduct), but also addresses the general question of what it means to be an ethical lawyer. Students are expected to develop their awareness of the various moral values underlying the legal system, and to practice how to weigh and apply those values, and the law of lawyering, to ethical problems. Selected topics relating to the regulation of lawyers' ethics are also addressed.

LAWF 3940
Dispute Resolution 2: Negotiation and Mediation
3 credits (3,0,0)
This course provides an overview of the spectrum of the consensual dispute resolution process, including negotiation, collaborative lawyering, mediation, and judicial dispute resolution (JDR). Interest-based bargaining and mediation are emphasized.

LAWF 3950
Advanced Legal Research ***2 credits (3,0,0)***
This course builds on legal research instruction in the first year of the program and affords further opportunities to learn and practice research skills. Students are provided with instruction in research methodology, citation, print and electronic research/databases, covering case law, statute law, texts, periodicals and web-based materials.

LAWF 3960
Dispute Resolution 3: Adjudication ***3 credits (3,0,0)***
This course is an overview of the binding, third-party decision-making processes of dispute resolution, and their commonalities and differences. Students focus on two of the following three adjudication processes: arbitrations, administrative hearings, and trials.

LAWF 3970
Sports Law ***3 credits (3,0,0)***
This survey course examines the legal dimensions of amateur and professional sport. The course has an international perspective looking at Canadian, US, and UK case law. Topics include the governance and regulation of sport, tort law, contract law, and intellectual property rights. Particular topics include negligence and sports violence; the relationship between athlete, agent and employer/engager; sponsorship and ambush marking; and doping.

LAWF 3980
Sports Law 2 ***3 credits (3,0,0)***
This survey course examines particular legal dimensions of professional sport. Like Sports Law 1, this survey course has an international perspective looking at Canadian, US and UK law. Sports Law 2 focuses on the governance and regulation of professional sports, including contract law, intellectual property rights and ambush marketing, antitrust law, criminal law, gender equity, and doping. Sports Law 1 is not a prerequisite for Sports Law 2, and both courses can be taken by interested students.

LAWF 3990
Canadian Journal of Comparative and Contemporary Law
3 credits (3,0,0)
aw Journal is a course whereby five upper year w students manage all aspects of editing the "Canadian Journal of Comparative and Contemporary Law." Students will coordinate the peer-review, select submissions for inclusion in the journal, and edit these for substance and style. Other journal related tasks will be assigned to students by the faculty editors in chief on an ad hoc basis. Editors will also contribute to the journal in the form of Comments and Notes.
Prerequisite: Students must currently be enrolled in the second or third years of the JD program at TRU Law. Students will be competitively selected based on their legal research and writing skills, as evidenced primarily through their performance in the

LAWF 4000
Court of Appeal Moots ***3 credits (3,0,0)***
Students examine the development of appellate advocacy and other lawyering skills, in the context of preparation for and participation in the British Columbia Court of Appeal Moot, and in the areas of criminal law.

LAWF 4010
Kawaskimhon Moot ***3 credits (3,0,0)***
Students develop lawyering skills such as advocacy and consensus building, in the context of a non-competitive moot, and conducted in a circle arrangement. Students use a moot problem based on selected contemporary issues in Aboriginal-Government relations.

LAWF 4030
Provincial Court Clerkships
Placements are found for students in the Provincial Court to perform research, prepare memoranda, and meet and discuss with a supervising judge.

LAWF 4050
Jessup Moot
Students prepare for and participate in the Philip C. Jessup International Law Moot Court Competition.

LAWF 4130
Western Canada MacIntyre Cup Trial Competition
Students further develop trial advocacy and other lawyering skills in the context of preparation for and participation in the Western Canada Trail Competition.

LEGA 1010
Intro to Canadian Legal System ***(30 hours)***
The primary purpose of this course is to provide students with a general understanding and a working knowledge of the Canadian legal system.
Prerequisite: ABTS 1550, ABTS 1200, ABTS 1100, ABTS 1110, ABTS 1300, Keyboarding speed of 50 wpm

LEGA 1020
Legal Office Procedures ***(45 hours)***
Students are introduced to the legal profession, including the functions and duties of the legal administrative assistant in British Columbia. Topics include legal terminology, legal office procedures, precedents, preparation of correspondence and basic legal documents, legal record keeping and billing, citations, and references to Acts.
Prerequisite: ABTS 1550, ABTS 1200, ABTS 1100, ABTS 1110, ABTS 1300, Keyboarding speed of 50 wpm

LEGA 1030
Litigation Procedures 1 ***(60 hours)***
Students are introduced to the functions and duties of a legal administrative assistant working in civil litigation in British Columbia. Topics include terminology and rules relating to preparing and handling legal correspondence and documents in civil litigation actions and matters in the Supreme Court of BC. Students are also familiarized with the legal concepts related to the functioning of the courts and the professional legal environment. This is a hands-on course in which students integrate keyboard, computer, transcription, and document formatting with a knowledge of civil law. Students handle legal documents and procedures, from the initiation of a lawsuit through to the completion of pleadings and the possibility of obtaining default judgment.

Prerequisite: LEGA 1010 and LEGA 1020

LEGA 1040
Litigation Procedures 2 (*60 hours)*

Students build on the skills and knowledge learned from Litigation Procedures I. Topics include terminology and rules relating to preparing and handling legal correspondence and documents in civil litigation actions and matters in the Supreme Court of BC. This course continues to introduce the legal concepts necessary to provide a basic understanding of the functioning of the courts and the professional environment that students are entering. This is a hands-on course in which students integrate keyboard, computer, transcription, and document formatting with a knowledge of civil law. As the second of two Litigation Procedures courses, this course focuses on documents and procedures from the discovery process to preparation and attendance at trial and post-trial procedures, including bills of costs and enforcement procedures. Students also learn to prepare for Chambers hearings.
Prerequisite: LEGA 1010, LEGA 1020, LEGA 1030

LEGA 1050
Family Litigation Procedures (*60 hours)*

Students are introduced to the role and responsibilities of a legal administrative assistant employed in the field of family law in British Columbia. Students gain knowledge and practical experience in topics such as statutes and rules, divorce and family courts, marriage in BC, pre-nuptial and separation agreements, undefended and defended divorce actions, chambers applications, annulment, and applications to Provincial Court. This is a hands-on course in which students integrate their keyboard, computer, and document formatting skills within the context of family law.
Prerequisite: LEGA 1010, LEGA 1020, LEGA 1030

LEGA 1060
Corporate Procedures 1 (*60 hours)*

Students are introduced to the role and responsibilities of a legal administrative assistant working in the field of corporate law. Through an overview of the various forms of business organizations, with a focus on corporation, this course includes incorporation procedures, post-incorporation procedures, and annual maintenance requirements of a private (non-reporting) British Columbia company.
Prerequisite: LEGA 1010, LEGA 1020

LEGA 1070
Corporate Procedures 2 (*30 hours)*

This course is a continuation of the material covered in LEGA 1060: Corporate Procedures I, which introduces students to the role and responsibilities of a legal administrative assistant working in the field of corporate law. Students focus on corporate structure and completion of filing forms as related to sole proprietorships, partnerships, limited partnerships, societies, cooperatives, non-reporting companies, and extra-provincial non-reporting companies. Students are also introduced to securities and to BC OnLine (an Internet access to government services and information about companies in British Columbia)
Prerequisite: LEGA 1010, LEGA 1020, LEGA 1060

LEGA 1080
Conveyancing Procedures 1 (*60 hours)*

This course provides an introduction to the role and responsibilities of a legal administrative assistant employed in the field of conveyancing in British Columbia. Students gain knowledge and practical experience in topics such as systems of land registration, land title searches, contracts of purchase and sale, methods to convey interests in land, statements of adjustments, and the execution and registration of electronic documents filed in the Land Title Office. Students focus on the purchaser's procedures for a simple conveyance not involving financing. Upon completion of this course, students progress to Conveyancing Procedures II which emphasizes procedures for financed purchaser conveyances, vendor sales, and mortgage loans.
Prerequisite: LEGA 1010, LEGA 1020

LEGA 1090
Conveyancing Procedures 2 (*60 hours)*

Students are introduced to the role and responsibilities of a legal administrative assistant employed in the field of conveyancing in British Columbia. This course is a continuation of the material covered in LEGA 1080: Conveyancing Procedures I. Students gain knowledge and practical experience in topics such as methods to convey interests in land involving purchaser financing, strata property considerations, builders' liens, acting for the vendor, acting for mortgage lenders, additional adjustments for statements of adjustments, authorities to pay, the execution and registration of electronic documents filed in the Land Title Office, acting for both the purchaser and mortgagee, and documents for the transfer of manufactured homes.
Prerequisite: LEGA 1010, LEGA 1020, LEGA 1080

LEGA 1100
Wills and Estates (*60 hours)*

This course provides an introduction to the role and responsibilities of a Legal Administrative Assistant employed in the field of wills and estates in British Columbia. Students gain knowledge and practical experience in preparation of wills and codicils, and the documents necessary to apply for grants of Letters Probate and Letters of Administration (with and without a will), Administration Bonds, transferring assets from the deceased, and winding up estates. Students prepare documents acceptable to the Probate Registry for filing, followed by transmission and distribution of estates. This is a hands-on course in which students integrate keyboard, computer, document formatting, and transcription skills within the context of estate law.
Prerequisite: LEGA 1010, LEGA 1020

MATH 1000
Pre-Calculus *3 credits (5,0,0)*

This course provides the mathematical foundation for an introductory calculus course. Topics include equations and inequalities; functions, models, and graphs; polynomial and rational functions; exponential and logarithmic functions; trigonometric functions, identities and equations.
Prerequisite: Pre-calculus Math 12 or equivalent (British Columbia graduates of 2013 onwards) or Math 12 Principles or equivalent (British Columbia graduates prior to 2013) or MATH 0610 or MATH 0633, or B or better in MATH 0600.

MATH 1070
Fundamentals of Mathematics for Business and Economics
3 credits (3,1,0)

This course is designed for Business and Economics students. Topics include the review of linear and non-linear functions and models (including cost, revenue, profit, demand and supply), solving linear and non-linear systems of equations, matrices, linear programming, difference equations, and mathematics of finance (including simple and compound interest: discrete and continuous, annuities, mortgages, and loans).
Prerequisite: Principles of Math 12 within the last two years or MATH 1000 or within the last two years MATH 600, within the last two years In exceptional cases, for example, where a student has transferred from another educational system or has been out

MATH 1100
Finite Math with Applications 1 *3 credits (3,1,0)*

Intended primarily for Liberal Arts or Education students, this course is not acceptable for credit in Science or Commerce. The past twenty years have seen an explosive growth in the scope of mathematics so much that many of the Social Sciences are employing mathematics as a powerful research tool. This course is designed to expose students to the areas of mathematics that they are likely to require in future studies. Topics to be covered include counting, probability, matrices, linear programming, and Markov chains or difference equations.
Prerequisite: (as of 2013) Foundations of Math 11 with a C or better or Principles of Math 11 with a C grade or Applications of Math 12 or equivalent or MATH 0510 or MATH 523 or equivalent

MATH 1130
Enriched Calculus 1 *3 credits (3,1,0)*

This course includes an in-depth study of single-variable differential calculus and its applications, and provides a strong foundation for further study in mathematical disciplines. This is a required course for students in the Engineering Transfer program.
Prerequisite: A in Pre-calculus Math 12 or equivalent (British Columbia graduates of 2013 onwards) or A in Principles of Math 12 or equivalent (British Columbia graduates prior to 2013) or admission to the Engineering program
Exclusion: MATH 1140, MATH 1

MATH 1140
Calculus 1 *3 credits (5,0,0)*

Students practice differential calculus for functions of one variable, with applications that emphasize the physical sciences. Topics include calculation and interpretation of limits and derivatives; curve sketching; optimization and related-rate problems; and Newton's method.
Prerequisite: Pre-calculus Math 12 or equivalent or Principles of Math 12 or equivalent with a C+ minimum MATH 1000 orwithin the last two years MATH 1001 orwithin the last two years MATH 0610 orwithin the last two years MATH 633,within the last two years

MATH 1150
Calculus for the Biological Sciences 1 *3 credits (5,1,0)*

Students are instructed in differential calculus for functions of one variable, with applications that emphasize the biological sciences. Topics include calculation and interpretation of limits and derivatives, curve sketching, optimization problems, and Newton's method.
Prerequisite: Pre-calculus Math 12 or equivalent or Principles of Math 12 or equivalent with a C+ minimum MATH 1000 or MATH 1001 or MATH 0610 or MATH 0633 within the last two years. In exceptional cases only, for example, where a student has transferred from another educational system or has been out of school for several

years, entry into MATH 1150 may be permitted based on a placement test administered by the Department of Mathematics and Statistics during the first week of classes.
Exclusion: Students who already have credit for MATH 1130, MATH 1140, or MATH 1170 may not take MATH 1150 for further credit.
Recommended: Students planning to take 2nd year Mathematics courses are encouraged to enroll in MATH 1140 and MATH 1240 or MATH 1130 and MATH 1230.

MATH 1170
Calculus for Business & Economics *3 credits (3,1,0)*

This course is intended for Business and Economics students. Topics include calculation and interpretation of derivatives, curve sketching, optimization (applied to business and economics), multivariable functions (including partial derivatives, optimization and Lagrange multipliers) and antiderivatives.
Required Seminar: MATH 1170S
Prerequisite: MATH 1070 C- minimum; Principles of Math 12 with a C+ minimum or MATH 1000 C-minimum or MATH 0610 with a C+ minimum, within the last two years. In exceptional cases, for example, where a student has transferred from another educational system or has been out of school for several years, entry to MATH 1400 may be permitted based on a placement test administered by the Department of Mathematics and Statistics during the first week of classes.
Exclusion: Business students who have completed MATH 1400 or MATH 1410 with a C- or better will not receive credit for MATH 1170. Students who already have credit for MATH 1130, MATH 1140, or MATH 1150 may not take MATH 1170 for further credit
Recommended: Students planning to take 2nd year Mathematics courses are encouraged to enroll in MATH 1140 and MATH 1240 or MATH 1130 and MATH 1230.

MATH 1230
Enriched Calculus 2 *3 credits (3,1,0)*

This course offers an in-depth study of single-variable integral calculus and its applications to provide a strong foundation for further study in mathematical disciplines. It is a required course for students in the engineering transfer program.
Prerequisite: MATH 1130

MATH 1240
Calculus 2 *3 credits (5,0,0)*

This course covers integral calculus for functions of one variable, with applications emphasizing the physical sciences. Topics include Riemann sums; definite and indefinite integrals; techniques of integration; improper integrals; applications to area, volume, arc length, probability, physics; separable differential equations; and series.
Prerequisite: MATH 1140, or MATH 1130, or MATH 1150 Note: Students who already have credit for MATH 1250 may not take MATH 1240 for further credit. Students planning to take 2nd year Mathematics courses are encouraged to enroll in MATH 1140 and MATH 1240 or MATH 1130 and MATH 1230. Required Seminar: MATH 1240S
Prerequisite: MATH 1140 or MATH 1130 or MATH 1150
Exclusion: MATH 1250
Recommended: Students planning to take 2nd year Mathematics courses are encouraged to enroll in MATH 1140 and MATH 1240 or MATH 1130 and MATH 1230.

MATH 1250
Calculus for the Biological Sciences 2 *3 credits (5,1,0)*

Students are instructed in integral calculus for functions of one variable, with applications that emphasize the biological sciences. Topics include Riemann sums, definite and indefinite integrals, techniques of integration, improper integrals, first-order differential equations and slope fields, (applications to area, probability, logistic growth and predator-prey systems), and series.
Prerequisite: MATH 1130, or MATH 1140, or MATH 1150
Note: Students who already have credit for MATH 1240 may not take MATH 1250 for further credit. Students planning to take 2nd year Mathematics courses are encouraged to enroll in MATH 1140 and MATH 1240 or MATH 1130 and MATH 1230.
Prerequisite: MATH 1130 or MATH 1140 or MATH 1150
Exclusion: Students who already have credit for MATH 1240 may not take MATH 1250 for further credit.
Recommended: Students planning to take 2nd year Mathematics courses are encouraged to enroll in MATH 1140

MATH 1300
Linear Algebra for Engineers *3 credits (3,1,0)*

This course is designed for students in the first year Engineering Transfer program. Topics covered in this course include: vectors in R2 and R3; linear transformations; matrices and elimination; eigenvalues and eigenvectors and their application to Engineering problems. A computer lab component is used to explore applications.
Prerequisite: Admission to the Engineering Program Corequisite: MATH 1130 or MATH 1140
Prerequisite: Admission to the Engineering Program
Corequisite: MATH 1130 or MATH 1140

MATH 1380
Discrete Structures 1 Computer Science *3 credits (3,1,0)*

An introduction to the basic mathematical concepts used in computing science. Topics covered include the binary number system, computer arithmetic, logic and truth tables, Boolean algebra, logic gates and simple computer circuits, sets, relations, functions, vectors and matrices, counting, probability theory and statistics (mean, variance, median, mode, random variables).
Required Seminar: MATH 1380S
Prerequisite: Pre-calculus Math 12 or Foundations of Math 12 or Principles of Math 12 with a C+ minimum, or equivalent; MATH 1000 or MATH 1001 with a minimum of C- or MATH 0610 or MATH 0633 within the last two years or permission of the instructor.
Exclusion: COMP 1380/MATH 1700

MATH 1390
Discrete Structures 2 for Computing Science
3 credits (3,1,0)

In this continuation of MATH 1380: Discrete Structures 1 for Computing Science, students build upon and apply mathematical concepts used in computing science. Topics include graph theory in terms of directed graphs; binary trees; languages; grammars; machines; an introduction to proofs and mathematical induction; and algorithm analysis.
Prerequisite: COMP 1380 with a C or better MATH 1380 with a C or better MATH 1070 with a C or better instructor's written consent.
Recommended: Programming experience recommended
Exclusion: COMP 1390, MATH 1700

MATH 1420
Mathematics for Visual Arts *3 credits (3,1,0)*

Students explore mathematical concepts and techniques that are useful in a visual arts context. Topics include real numbers, ratios, geometry, and perspective.
Required Seminar: MATH 1420S
Prerequisite: Foundations of Math 11 or Pre-calculus 11 or Math 0500

MATH 1540
Technical Mathematics 1 *3 credits (3,1,0)*

Students are instructed in mathematical concepts that are relevant to architecture, design, and engineering. Topics include trigonometry, an introduction to two- and three- dimensional vectors, functions and graphs, solving linear and quadratic equations, systems of linear equations, matrices, coordinate geometry, areas and volumes of standard geometric shapes, and problem solving.
Prerequisite: Admission to the Architectural and Engineering Technology program

MATH 1640
Technical Mathematics 2 *3 credits (3,1,0)*

This is a calculus course for students in the Architectural and Engineering Technology program. The course offers instruction in differentiation and integration, with applications to curve sketching, extreme values and optimization, related rates, areas, volumes, and lengths of curves.
Prerequisite: MATH 1540 with a passing grade Admission to the Architectural and Engineering Technology program

MATH 1700
Discrete Mathematics 1 *3 credits (3,1,0)*

Students are introduced to the foundation of modern mathematics including basic set theory; counting; solutions to recurrence relations; logic and quantifiers; properties of integers; mathematical induction; asymptotic notation; introduction of graphs and trees; finite state machines and formal languages; Boolean algebra.
Prerequisite: Principles of Math 12 with a C+ minimum or MATH 1000 with a C+ minimum MATH 0610 with a C+ minimum within the last two years or permission of the instructor
Exclusion: Students who already have credit for MATH 1380 and MATH 1390 may not take MATH 1700

MATH 1900
Mathematics for Teachers *3 credits (3,1,0)*

This course is designed for students who wish to enter the Elementary Teaching Program. Basic mathematical concepts are examined in depth, with emphasis on underlying foundations, explanations, and problem solving that broaden students; perspectives of mathematics. Topics include: problem solving; numeration; exponents; geometry; measurement; ratios; counting theory; arithmetic algorithms; and additional topics at the instructor's discretion.
Prerequisite: Principles of Math 11

MATH 2110
Calculus 3 3 *credits (3,1,0)*

The concepts of single-variable calculus are extended to higher dimensions by using vectors as variables. Topics include the following: vector geometry and the analytic geometry of lines, planes and surfaces; calculus of curves in two or three dimensions, including arc length and curvature; calculus of scalar-valued functions of several variables, including the gradient, directional derivatives and the Chain Rule; Lagrange multipliers and optimization problems; double integrals in rectangular and polar coordinates.
Required Seminar: MATH 2110S
Prerequisite: MATH 1230 or 1240 or equivalent; MATH 1300 for EECE Year 2 students
Corequisite: MATH 2120 recommended if MATH 1300 not previously completed

MATH 2120
Linear Algebra 1 *3 credits (3,1,0)*
Students are introduced to linear algebra. The topics discussed and explored in this course include vector spaces, bases and dimension, geometry of n-dimensional space, linear transformations and systems of linear equations.
Prerequisite: MATH 1240 or equivalent calculus

MATH 2200
Introduction to Analysis *3 credits (3,1,0)*
Analysis is a broad area of mathematics that includes calculus. This course presents some basic concepts of analysis in a mathematically rigorous manner, using theorems and proofs. Students are expected to develop some ability to understand proofs and to write their own proofs. After a survey of essential background material on logic, set theory, numbers and functions, the course covers suprema and infima of sets, completeness, basic metric topology of the real numbers (neighbourhoods, interior points and cluster points), continuity and limits.
Required Seminar: MATH 2200S
Prerequisite: MATH 1240 or equivalent calculus. B- minimum strongly recommended.

MATH 2240
Differential Equations *3 credits (3,1,0)*
This course examines ordinary differential equations and related initial-value problems, and emphasizes their many applications in science and engineering. Students discuss methods for solving such equations either exactly or approximately. Topics include: first-order equations; higher order linear equations; modelling with differential equations; systems of linear equations; and phase plane analysis of nonlinear systems.
Required Seminar: MATH 2240S
Prerequisite: MATH 2110 and MATH 2120

MATH 2650
Linear Differential Equations for Engineering
3 credits (3,1,0)
Engineering students are introduced to ordinary differential equations, the Laplace transform and transfer functions, complex numbers, and phasors. Topics include first-order differential equations (analytical and numerical solution), second-order linear equations (homogeneous, non-homogeneous, variation of parameters, undetermined coefficients, resonance, step response) and linear time-invariant systems (canonical form, eigen values and eigen vectors, matrix exponential, non-homogeneity). There is some use of computers in this course.
Prerequisite: MATH 1230 or MATH 1240 and MATH 1300
Exclusion: Credit will not be given for both MATH 2240 and MATH 2650

MATH 2670
Mathematical Methods for Electrical-Computer Engineering
3 credits (3,1,0)
Engineering students are introduced to various mathematical techniques related to the Fourier Transform. Topics include Fourier series (trigonometric and complex exponential forms, Parseval's identity, Gibbs' phenomenon), the Fourier Transform (definition, examples, interpretation, convolution), the wave equation (d'Alembert's formula, separation of variables, transform methods, damping, dispersion), the discrete Fournier transform, discrete systems and the z-transform, and generating functions (with applications to recursion relations, difference equations, and elementary counting problems). There is some use of computers in this course.
Prerequisite: MATH 2110 and MATH 2650
Corequisite: MATH 3170

MATH 2700
Discrete Mathematics 2 *3 credits (3,1,0)*
This course is a continuation of discrete mathematics from MATH 1700, covering combinatorial arguments and proofs; deriving recurrence relations; generating functions; inclusion-exclusion; functions and relations; countable and uncountable sets; graphs.
Required Seminar: MATH 270S
Prerequisite: MATH 1700 with a minimum grade of C-

MATH 3000
Complex Variables *3 credits (3,1,0)*
Students are introduced to the classical complex function theory, a cornerstone of mathematics. Topics include: complex derivatives and the Cauchy-Riemann equations; the complex exponential function and related elementary functions; integration along curves and Cauchy's theorems; Taylor and Laurent series; zeros and singularities; residues; and evaluation of integrals using the residue theorem.
Required Seminar: MATH 3000S
Prerequisite: MATH 2200 or MATH 3170 (both are recommended) or admission to EECE Year 2 program
Corequisite: MATH 3170 for EECE Year 2 students

MATH 3020
Introduction to Probability *3 credits (3,1,0)*
This course provides a theoretical foundation for the study of statistics. Topics include basic notions of probability, random variables, probability distributions (both single-variable and multi-variable), expectation and conditional expectation, limit theorems and random number generation.
Prerequisite: MATH 2110

MATH 3030
Introduction to Stochastic Processes *3 credits (3,1,0)*
Students examine simple random processes, including discrete and continuous Markov chains, Poisson processes and Brownian motion. Renewal theory is also discussed.
Required Seminar: MATH 3030S
Prerequisite: MATH 3020

MATH 3070
Linear Algebra 2 *3 credits (3,1,0)*
This is a continuation of MATH 2120: Linear Algebra 1. Students explore such topics as: matrix diagonalization and its application to systems of linear differential equations and Markov chains; invariant subspaces; inner product spaces; Gram-Schmidt orthogonalization; linear operators of various special types (normal, self-adjoint, unitary, orthogonal, projections); the finite-dimensional spectral theorem; and bilinear and quadratic forms.
Prerequisite: MATH 2120

MATH 3080
Euclidean Geometry *3 credits (3,1,0)*
Students begin with the axiomatic development of geometry, and briefly explore possible variations in axioms. Students then progress to classical Euclidean geometry; geometric transformations; and the relevance of geometric transformations to computer graphics. The course concludes with a discussion of non-Euclidean geometries and projective geometry.
Prerequisite: MATH 2120

MATH 3120
Elementary Number Theory *3 credits (3,1,0)*
The course begins with integer divisibility and the related ideas of prime numbers, unique prime factorization, and congruence. Attention is then directed to arithmetic functions, including the Euler totient function. The Chinese Remainder Theorem and quadratic reciprocity are studied, and some Diophantine equations are considered. Lastly continued fractions and primitive roots are discussed.
Prerequisite: MATH 2120

MATH 3160
Differential Equations 2 *3 credits (3,1,0)*
This course is divided into three parts. The first part examines methods for solving ordinary differential equations. Power series methods are applied to obtain solutions near ordinary points and regular singular points, and the real Laplace transform is discussed. In the second part, students consider Sturm-Liouville boundary-value problems, Fourier series, and other series of eigen functions, including Fourier-Bessel series. The final part is an introduction to boundary-value problems involving partial differential equations, primarily: the heat equation; the wave equation and Laplace's equation, with applications in physics. The method of separation of variables is used.
Prerequisite: MATH 2240
Exclusion: PHYS 3120

MATH 3170
Calculus 4 *3 credits (3,1,0)*
This course is a continuation of MATH 2110. Topics include triple integrals in rectangular, cylindrical and spherical coordinates, general change of variables in double and triple integrals, vector fields, line integrals, conservative fields, and path independence, Green's theorem, surface integrals, Stokes' theorem and the divergence theorem, with applications in physics.
Prerequisite: MATH 2110 or equivalent

MATH 3200
Real Variables ***3 credits (3,1,0)***
The core of this course is a careful study of continuity and limits of real functions and convergence of real sequences and series, in addition to basic topology of the real line. Limit points and subsequences are discussed, leading to the Bolzano-Weierstrass theorem and the concept of a compact set. Metric spaces are introduced.
Prerequisite: MATH 2200 with a B- minimum and at least one of MATH 3070, MATH 3080, MATH 3120 and MATH 3220

MATH 3220
Abstract Algebra ***3 credits (3,1,0)***
Students are introduced to the abstract algebraic concepts of rings, fields, integral domains, homomorphisms and isomorphisms. The course concludes with a brief discussion about the treatment of groups.
Prerequisite: MATH 2120 and at least one of MATH 2200, MATH 3070, MATH 3080 and MATH 3120

MATH 3400
Intro to Linear Programming ***3 credits (3,1,0)***
Algorithms for linear programming are introduced and studied in this course, from both theoretical and applied perspectives. Topics include the graphic method; simplex method; revised simplex method; and duality theory. Special linear programming such as network flows and game theory are also explored.
Required Seminar: MATH 3400S
Prerequisite: MATH 2120

MATH 3510
Problem Solving Applied Math ***3 credits (3,1,0)***
This course provides learners with a systematic approach to problem solving. Students use a variety of analytical techniques to solve problems drawn from various disciplines. This course is of interest to students in any program where numerical problems may occur.
Prerequisite: in any 1000 level Mathematics or Statistics course with the exceptions of MATH 1000 and MATH 1900 with a C or better

MATH 3650
Numerical Analysis ***3 credits (3,1,0)***
This course introduces standard numerical methods, including algorithms for solving algebraic equations (linear and nonlinear, single equations and systems) and for polynomial approximation and interpolation. Prerequisite: MATH 2110, MATH 2120
Prerequisite: MATH 2110, MATH 2120
Exclusion: COMP 3320

MATH 3700
Introduction to the History of Mathematics
3 credits (3,1,0)
Students trace the development of numeration, arithmetic, geometry, algebra and other areas of mathematics, from their beginnings to their modern forms. The historical development studies is enhanced by the solution of mathematical problems using the techniques that were available in the period under study.
Prerequisite: MATH 1240 or equivalent

MATH 3990
Selected Topics in Mathematics ***3 credits (3,1,0)***
Students consider, in depth, a selection of topics drawn from Mathematics. The particular topics may vary each time the course is offered.
Prerequisite: 6 credits of MATH at the 2000 level or higher or permission of the instructor

MATH 4410
Modelling of Discrete Optimization Problems
3 credits (3,1,0)
Real-world optimization problems are formulated in order to be resolved by standard techniques involving linear programming, integer programming, network flows, dynamic programming and goal programming. Additional techniques may include post-optimality analysis, game theory, nonlinear programming, and heuristic techniques.
Prerequisite: MATH 3400

MATH 4420
Optimization Graphs & Networks ***3 credits (3,1,0)***
Topics include basic graph theory, tree searching algorithms, shortest paths, maximum flows, minimum cost flows, matchings, and graph colouring.
Prerequisite: MATH 3400

MATH 4430
Introduction to Graph Theory ***3 credits (4,0,0)***
An introductory course deals mostly with non-algorithmic topics, including connectivity, Eulerian graphs, Hamiltonian graphs, planarity and Kuratowski's Theorem, matchings, graph colouring, and extremal graphs. Applications of graphs are discussed.
Prerequisite: MATH 2220 or at least 12 credits of Mathematics courses numbered 2000 or above, which can be taken concurrently

MATH 4950
Honours Thesis in Mathematics ***6 credits (0,3,0)***
Students are required to conduct an independent investigation into a mathematical topic or problem at the advanced undergraduate level, under the supervision of a member of the Department of Mathematics and Statistics. The results of the study are to be typed and submitted as an Honours Thesis, and is defended orally at a public lecture before an examining committee.
Prerequisite: Admission into the Mathematics Honours Program (as part of a Bachelor of Science degree or a Bachelor of Arts degree) and the identification of a supervisor

MATH 4980
Directed Studies in Mathematics ***3 credits (3,0,0)***
Students undertake an investigation on a specific topic as agreed to by the faculty member and the student.
Prerequisite: Permission of instructor

MATH 4990
Selected Topics in Mathematics ***3 credits (3,1,0)***
Students consider, in depth, a selection of topics drawn from Mathematics. The particular topics may vary each time the course is offered.
Prerequisite: 6 credits of MATH at the 3000 level or higher or permission of the instructor

MEAT 1010
Safety and Sanitation
In this practice-based course with theory components, students are introduced to meat lab sanitation procedures. Topics include refrigeration guidelines and safety practices for all handtools, and power equipment used in a retail meat processing operation.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 1020
Beef and Veal Carcass Processing
In this practice-based course with theory components, students are introduced to beef and veal carcass breaking procedures, merchandising practices for wholesale primals and sub-primals into retail cuts. Beef meat inspection and grading regulations, and product identification are also covered.
Prerequisite: Admission into the Retail Meat Processing program.

MEAT 1030
Meat Science
This is a theory-based course with practical lab applications and observation designed to introduce students to the study of meat structure, common diseases, meat coloration, electrical stimulation, post mortem aging, pre-slaughter stress syndrome, meat nutrition and shear force analysis.
Prerequisite: Admission to the Retail Meat Processing program

MEAT 1040
Pork Processing
In this practice-based course with theory components, students are introduced to pork carcass breaking, merchandising, grading, specifications, variety meats and product identification.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 1050
Lamb Processing
In this practice-based course with theory components, students are introduced to lamb carcass breaking, merchandising, grading, specifications, variety meats and product identification.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 1060
Poultry Processing
In this practice-based course with theory components, students are introduced to poultry carcass processing, merchandising, grading specifications and product identification.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 1070
Seafood Processing

This is a theory-based course with a basic practical component to introduce students to various types of commonly sold retail seafood items in the fresh whole state, fillets, chuck form and frozen states.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 1080
Product ID and Nomenclature
In this practice-based course with theory components, students expand on their existing knowledge of retail product legal names, utilizing practical lab sessions, and supporting theory media.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 1090
Value Added Processing
In this practice-based course with theory components, students are introduced to bacon and ham curing, vacuum tumbled products, jerky processing and the preparation of chicken cordon blue and various types of cutlets.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 1100
Fresh, Smoked and Cured Sausage
In this practice-based course with theory components, students are introduced to the history of sausage manufacturing. Topics include: processing and packaging materials; equipment and safety; spices; curing; smoking; and diseases associated with sausage manufacturing.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 1110
Meat Nutrition and Cooking
This is a theory-based course with practical components designed to introduce students to the nutritional value of meat products, the cooking of raw meats, and advising consumers on cooking for various meat products.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 1120
Customer Service and Employment Skills
This is a practice-based course with theory components and two separate three-week sessions, totalling six weeks. Students evaluate industry work experiences in two different locations, and are introduced to resume and cover letter writing skills for the retail meat processing industry. Customer service skills are developed through participation in the TRU meat store and complimented with course assignments and theory.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 1130
Business Related Math
This is a theory-based course with practical lab applications designed to introduce students to industry related business math that focuses on metric conversion, mark up, mark down, cutting analysis, shrinkage analysis, and break even. Inventory management controls include gross profit statements, wage and profit ratios and price booking.
Prerequisite: Admission into the Retail Meat Processing program

MEAT 2000
Meatcutting Level 1
Students are introduced to theory and gain hands-on lab experience in the following topics: occupational skills; and handling beef, veal, pork, lamb, poultry, and seafood and freshwater fish.

MEAT 3000
Meatcutting Level 2
Students are introduced to theory and gain hands-on lab experience in the following topics: occupational skills; handling beef, veal, pork, lamb, poultry, seafood and freshwater fish, game, and processed meat products.

MFAB 1000
Metal Fabricator (Fitter)
Metal Fabricators build, assemble and repair products made of steel or other metals for use in a wide variety of manufacturing and construction industries. They must be familiar with the properties of metal and know how to operate specialized metal working machines. Metal Fabricators can work for sheet metal fabrication and welding shops, and for manufacturers of structural steel, boilers, plate workers, heavy machinery and transportation equipment. They can work for ship building companies and for welding, ironwork and sheet metal work contractors. Metal Fabricator is a nationally designated trade under the Inter-provincial Red Seal Program.
Prerequisite: Grade 10 minimum, however Grade 12 is preferred. Successful completion of BC Level "C" Welding program or its equivalent.

MICR 1580
Veterinary Microbiology 1 (L) *3 credits (2,0,2)*
This course is an introduction to veterinary microbiology. Topics include microbial anatomy and physiology, culture media, antimicrobial susceptibility testing, sterilization and disinfection, mycology and virology.
Required Lab: MICR 1580L
Prerequisite: Admission to the Animal Health Technology program

MICR 1680
Veterinary Microbiology 2 (L) *2 credits (0,1,3)*
Students are instructed in the theory and application of laboratory methods.
Required Lab: MICR 1680L
Prerequisite: MICR 1580, Admission to the Animal Health Technology program

MIST 2610
Management Information Systems *3 credits (3,0,2)*
Students acquire the basic knowledge and skills needed to effectively utilize information systems and technology in support of organizational strategy. Topics include an introduction to information systems; information systems strategy; ethics, privacy and policy; data security; data and knowledge management; networks and communications technologies; wireless and mobile computing; wireless and mobile computing; e-business and e-commerce; Web 1.0, 2.0, 3.0 and social networks; systems development and managing information systems projects; and personal productivity software including word processing, spread sheet, and presentation software.
Prerequisite: ENGL 1100
Exclusion: Students cannot receive credit for more than one of BBUS 1370, BBUS 2370, COMP 1000, COMP 1350, COMP 1700, or COMP 1910

MIST 4610
Strategic Management Information Systems
3 credits (3,0,0)
Students acquire the knowledge and skills to support decision-making and problem-solving processes in business and accounting. An emphasis is placed on managing the entire lifecycle of data, from collecting to interpreting, to modelling, to decision making, and finally to communicating the results. Topics include accounting information systems development; information technology auditing, including data and network security; developing enterprise reporting systems; managing data, principles of extensible markup language (XML), and extensible business reporting language (XBRL); and constructing, analyzing, and presenting a suite of spreadsheet-based, decision-making models.
Prerequisite: FNCE 2120 or FNCE 3120, SCMN 3320

MKTG 2430
Marketing Management *3 credits (3,0,0)*
Students receive an overall view of the marketing function, the role of marketing in society and its application within organizations. Topics include an introduction to marketing; developing a marketing plan and strategies; analyzing the marketing environment; consumer behaviour; segmentation, targeting, and positioning; developing new products; product, branding, and packaging decisions; pricing concepts and strategies; distribution strategies; and integrated marketing communications.
Prerequisite: CMNS 1290
Exclusion: Students cannot receive credit for both MKTG 2430 and TMGT 1150 (C+ or higher). Students may not receive credit for both MKTG 3430 and MKTG 2430.

MKTG 3430
Marketing *3 credits (3,0,0)*
Students are provided an overview of the marketing function, the role of marketing in society, and its application within organizations. Topics include an introduction to marketing; developing a marketing plan and strategies; analyzing the marketing environment; consumer behaviour; segmentation, targeting, and positioning; developing new products; product, branding, and packaging decisions; pricing concepts and strategies; distribution strategies; and integrated marketing communications.
Note: This course should be taken by students in the Minor in Management only. Students may not receive credit for both MKTG 3430 and MKTG 2430.
Prerequisite: CMNS 1290

MKTG 3450
Professional Selling *3 credits (3,0,0)*
Students examine an overall view of the professional selling function. They will come to understand the role of personal selling in marketing and society and its application within organizations. Topics include relationship selling opportunities; creating value with a relationship strategy; developing a relationship strategy; communication styles; creating production solutions; buying process and buyer behavior; approaching the customer; developing and qualifying a prospect base; determining customer needs; sales demonstration; negotiating buyer concerns; and closing and confirming the sale.
Prerequisite: MKTG 2430
Exclusion: Note: Students cannot receive credit for both MKTG 3450 and HMGT 2120 (C+ or higher)

MKTG 3470
Consumer Behaviour ***3 credits (3,0,0)***
Students develop an appreciation for the influence consumer behavior has on marketing activities. Students apply psychological, social, and cultural concepts to marketing decision making. Topics include defining consumer behavior and research, and examining the several factors that affect consumer decision making, such as perception, learning and memory, motivation, self-perception, personality, lifestyle, values, attitude, group influences, income, social class, family structure, subcultures, and culture.
Prerequisite: MKTG 2430
Exclusion: Note: Students cannot receive credit for both MKTG 3470 and TMGT 4130 (C+ or higher)

MKTG 3480
Marketing Research ***3 credits (3,0,0)***
Students develop an understanding of marketing research and its values in analyzing consumers, markets, and the environment. Topics include an introduction to market research, the marketing research industry and research ethics, the marketing research process, secondary data and databases, qualitative research, traditional survey research, online marketing research, primary data collection, measurement, questionnaire design, basic sampling issues, sample size determination, and statistical testing.
Prerequisite: MKTG 2430, ECON 2330 or equivalent

MKTG 4400
Professional Sales Management ***3 credits (3,0,0)***
Students prepare for the role of an effective sales manager in today's hyper-competitive global economy by integrating current technology, research, and strategic planning activities. Topics include the role of the sales manager; buying and selling processes; customer relationship management; organizing the sales force; sales forecasting and budgeting; selecting, training, compensating, and motivating the salesperson; and evaluating salesperson performance.
Prerequisite: MKTG 3450

MKTG 4410
Services Marketing ***3 credits (3,0,0)***
Students examine the important issues facing service providers and the successful implementation of a customer focus in service-based businesses. Topics include new perspectives on services marketing; consumer behaviour in a service context; positioning services in competitive markets; developing service products; distributing services through physical and electronic channels; the pricing and promotion of services; designing and managing service processes; balancing demand and productive capacity; crafting the service environment; managing people for service advantage; and service quality
Prerequisite: MKTG 2430

MKTG 4420
Brand Management ***3 credits (3,0,0)***
Students explore the issues and challenges commonly faced by brand managers. Topics include an introduction to brands and brand management, identifying and establishing brand positioning and values, planning and implementing brand marketing programs, measuring and interpreting brand equity, and growing and sustaining brand equity.
Prerequisite: MKTG 2430

MKTG 4430
Retail Management ***3 credits (3,0,0)***
Students develop an in-depth understanding of retail and services management as well as non-store retailing. Topics include defining retail, retail customer behaviour, retail location decisions, merchandising, design and layout, retail pricing, promotion, understanding employees, customer loyalty, and international retailing decisions.
Prerequisite: MKTG 2430

MKTG 4440
Advanced Marketing Research ***3 credits (3,0,0)***
Building on MKTG 3480: Marketing Research, students expand their understanding of marketing research techniques. Case studies and research projects are used extensively to reinforce course content. Topics include a review of statistics, an introduction to multivariate analysis, multiple regression analysis, logistic regression, dummy variables in regression, factor analysis, cluster analysis, multi-dimensional scaling, and structural equation modeling.
Prerequisite: MKTG 3480

MKTG 4450
E-Commerce ***3 credits (3,0,0)***
Students examine how the internet is rapidly becoming one of the primary communications, marketing and commercial medium for businesses in almost every industry, and how managers can effectively use this tool to execute their organization's strategic plans. Topics include the Internet environment; introduction to internet marketing; e-commerce opportunities; customer experience and interface; ethical and legal issues; online branding; e-marketing opportunities; traffic building; online consumer behavior; online product development and pricing; web traffic analysis and measuring for success; and social media.
Prerequisite: MKTG 2430

MKTG 4460
Marketing Strategy ***3 credits (3,0,0)***
Students learn how to effectively analyze marketing problems and opportunities and develop successful marketing strategies. Topics include strategic marketing practices; the marketing plan; implementing, monitoring and controlling marketing strategy programs; and analysis and solutions to marketing problems. A marketing strategy simulation is used to reinforce course concepts.
Prerequisite: FNCE 2120 or FNCE 3120, MKTG 3470, MKTG 3480
Exclusion: Students cannot receive credit for both MKTG 4460 and TMGT 4140

MKTG 4470
International Marketing ***3 credits (3,0,0)***
Students explore all aspects of marketing from a global perspective to better respond to international opportunities and competitive situations. Topics include an overview of international marketing; history and geography and its effect on culture; cultural dynamics in assessing global markets; culture, management style and business systems; the political environment; assessing global market opportunities in the Americas, Europe, Africa, Middle East, and Asia Pacific Region; planning for global market entry; products and services for international consumers; products and services for international businesses; and international marketing channels.
Prerequisite: MKTG 2430, IBUS 3510

MKTG 4480
Integrated Marketing Comm ***3 credits (3,0,0)***
Students examine the promotional mix including advertising, publicity, personal selling and sales promotion from an integrative perspective. They then learn how to create and manage these promotional tools to successfully execute a business' strategic plan. Topics include an introduction to integrated marketing communication; organizing integrated marketing communication; consumer behavior and target market review; communication response models; objectives and the integrated marketing communication plan; brand positioning strategy decisions; creative strategy decisions; creative tactics decisions; and media planning and budgeting.

MKTG 4490
Business-to-Business Marketing ***3 credits (3,0,0)***
Students examine how important the marketing of products and services to other businesses and organizations is to the economy, the unique nature of business customer's needs, and the different marketing strategies that can be employed to meet those needs. Topics include business markets and business marketing; character of business marketing; purchasing function; organizational buyer behavior; market opportunities for current and potential customers; marketing strategy; developing and managing offerings; business marketing channels and partnerships for customer service; creating customer dialogue; connecting via advertising, trade shows, and public relations; and customer retention and maximization.
Prerequisite: MKTG 2430

MLAN 1110
Introductory World Language 1 (L) ***3 credits (3,0,1)***
This shell course provides students with an opportunity to study a language not regularly offered in the Modern Languages program. It is offered periodically, and the language taught may vary from year to year. Prerequisite: None

MLAN 1210
Introductory World Language 2 (L) ***3 credits (3,0,1)***
This shell course provides students with an opportunity to continue their study of a language not regularly offered in the Modern Languages program. The language taught may vary from year to year. MLAN 1210 is offered as the continuation of MLAN 1110, and is subject to demand.
Prerequisite: MLAN 1110 or instructor permission

MLAN 2700
Field School Modern Languages ***6 credits (3,3,0)***
Students travel to another country for the purpose of studying language and culture. Field schools may be offered in Chinese, German, French, Japanese, Spanish, or other languages which might be taught in the future in the Modern Languages program. In the case of French only, travel may be within Canada (i.e. to Quebec). Field schools vary in length up to 6 weeks, and this may include classroom time prior to travel. This course may be taken more than once.
Prerequisite: Students must have completed at least one year of study (or equivalent) in the field school target language. The field school instructor will authorize equivalency.

MNGT 1710
Introduction to Business ***3 credits (3,0,0)***
Students are introduced to basic management principles and the functional areas of business. Topics include the business environment from a legal, regulatory, economic, competitive, technological, social, ethical, and global perspective; the functions of management, specifically planning, organizing, leading, and control; the different business functions, including human resources, supply chain management, marketing, and financial management; and the forms of business ownership and the importance of entrepreneurship.
Prerequisite: Prerequisite: English 12/English 12 First Peoples with a minimum of 73% (with the government exam within the last 5 years); or level 5 on the compositions section of the Language Proficiency Index (LPI), with all other categories of the LPI

MNGT 3710
Business Ethics and Society ***3 credits (3,0,0)***
Students explore the complex business environment and the relationships organizations have with each other, civil society, and the natural environment. Through this examination, students learn how critical ethical decision-making is to the successful management of any organization. Topics include elements of critical thinking, business ethics fundamentals, frameworks for ethical thinking, awareness of ethical pitfalls, ethical reasoning, ethical principles, drafting a code of ethics, illustrating an ethical decision-making process, applying ethical decision-making skills, ethical decision-making in the workplace, corporate social responsibility and sustainable development, and stakeholder theory.
Prerequisite: CMNS 1290

MNGT 3730
Leadership ***3 credits (3,0,0)***
Students cultivate a deep understanding of what leadership is and what leaders do to be successful. An emphasis is placed on the development of practical leadership skills. Topics include an introduction to leadership, leadership traits, leadership style and philosophy, leadership and relationships, developing leadership skills, leadership and ethics, creating a vision, leadership and out-group members, leadership and conflict, and managing obstacles to effective leadership.
Prerequisite: CMNS 1290, ORGB 2810

MNGT 4710
Decision Analysis ***3 credits (3,0,0)***
Students focus on the development, implementation, and utilization of business models for making informed managerial decisions. Models and management cases from diverse industries, and functional areas are used extensively to illustrate important decision tools, their assumptions and limitations, and how to communicate decisions to management. Topics include critical thinking, avoiding bias in decision making, data analysis, decision analysis, forecasting, resource allocation, and risk analysis.
Prerequisite: ACCT 2250, ECON 2330, MNGT 3730

MNGT 4720
Negotiation and Conflict Resolution ***3 credits (3,0,0)***
Students are introduced to the fundamental theories of negotiation and conflict resolution and the essential skills required to be a successful negotiator. The negotiation process is pervasive in business, and the ability to negotiate is an essential skill for successful managers. Topics include the nature of negotiation; strategy and tactics of distributive bargaining and integrative negotiation planning; integrative negotiation; negotiation, planning, and strategy; perception, cognition, and emotion; communication and the negotiation process; power; and ethics.
Prerequisite: MNGT 3730

MNGT 4730
Business Project Management 1 ***3 credits (3,0,0)***
Students are introduced to the concepts and frameworks of business project management. Topics include an introduction to project management, project life-cycle management, project feasibility, project selection, project scope management, project scheduling, project costing, and project leadership and managing project teams.
Prerequisite: ECON 2330, MNGT 3730 ACCT 2250

MNGT 4740
Business Project Management 2 ***3 credits (3,0,0)***
Building on MNGT 4730: Business Project Management 1, students further develop their understanding of the practical and systematic tools used to successfully plan and manage complex projects. Topics include resource constrained schedules; budgeting; performance and progress reporting; risk management; communication, organization, and time management; advanced management and control; special topics such as contracts, environmental sustainability, and international projects; and applications of project management practice in various industries and environments.
Prerequisite: MNGT 4730

MNGT 4780
Strategic Management ***3 credits (4,0,0)***
Students explore the basic concepts and methodologies of developing and executing successful business strategies in a dynamic global environment. Effective strategy is about developing competitive advantage. Learners develop insights into the working of CEOs and top management teams in preparation for senior positions in organizations. Topics include an introduction to strategic management, an analysis of the internal and external environments, business-level strategy, competitive strategy and dynamics, corporate-level strategy, acquisition and restructuring strategies, international strategies, and strategy implementation.
Note: It is recommended that this course be taken in the student's final year.
Prerequisite: FNCE 2120 or FNCE 3120, MKTG 2430, IBUS 3510, SCMN 3320

MTST 4700
The Mountain Village Experience ***3 credits (3,0,0)***
In this interdisciplinary course, students explore the artistic, political, cultural, representational, touristic, marketing, policy, and/ or philosophical dimensions of the mountain village experience, including the creation and consumption thereof.
Prerequisite: 3rd year standing

MTST 4800
Mountain Studies Field Course: Mountain Resorts
3 credits (3,0,0)
This interdisciplinary capstone course is offered in co-operation with a mountain resort experience company. The issues and theories studied thoughout the Mountain Studies in the Bachelor of Tourism Management program are augmented by giving students the opportunity to apply, test, and understand them in a real-life context. Classes occur on campus and at selected winter resorts, with the participation of resort personnel to offer expertise.
Prerequisite: 4th year standing in the Bachelor of Tourism Management's concentration in Mountain Studies.

MUSI 1700
Chorus 1 ***3 credits (3,0,0)***
Students explore vocal and part-singing techniques, large ensemble skills, note and rythym reading skills, and pronunciation of various language texts. The human body as a musical instrument is studied, with special emphasis on postural alignment, breath support, and sound production. Students are evaluated on their comprehension of theory, musical proficiency, and efficient use of rehearsal time by way of written and aural examinations, and a class performance.

MUSI 1800
Chorus 2 ***3 credits (3,0,0)***
A continuation of MUSI 1700, students further explore vocal and part-singing techniques, large ensemble skills, note and rhythm reading skills, and pronunciation of various language texts. Students expand their understanding of the human body as a musical instrument in the study of postural alignment, breath support and sound production. Students are evaluated on comprehension of theory, musical proficiency and efficient use of rehearsal time by way of written and aural examinations and a class performance.
Prerequisite: MUSI 1700 or audition

NRSC 1110
The Science and Management of Natural Resources
3 credits (2,0,2)
Students are provided with an overview of current issues in the management of natural resources. This serves as an introductory core course in the Bachelor of Natural Resource Science program, however, it is tailored for all students with a general interest in natural resources. In addition to lectures and laboratory exercises, students consider how scientific inquiry and knowledge can be integrated with social, economic, and cultural values to develop management strategies. Topics of discussion include a diversity of resource issues, such as forestry, soils, rangeland, water, fisheries, wildlife, and entomology.

NRSC 1120
Dendrology 1 (L) ***3 credits (3,0,2)***
Dendrology is a survey of the structure, function, ecology, and identification of trees. A lecture component in this course includes two major topics: 1) the structure and function of trees, such as reproduction, development, anatomy, morphology, and physiology; 2) the ecology and evolution of trees. Through the laboratory component, students survey a selection of Canadian, North American, and introduced tree species. Deciduous species are emphasized; coniferous species are studied in NRSC 1220. Field trips are an integral part of the course.
Prerequisite: BIOL 0600
Corequisite: BIOL 1110

NRSC 1220
Dendrology 2 (L) ***3 credits (3,0,2)***

This course is a continuation of NRSC 1120: Dendrology 1. Students survey a selection of British Columbian, Canadian, North American, and introduced coniferous tree species.
Prerequisite: NRSC 1120
Corequisite: BIOL 1210

NRSC 2000
Introduction to the Study of Soils (L) *3 credits (3,0,2)*

Students investigate the physical, chemical, and biological properties of soils. Topics include soil formation, classification, use, and conservation. Students focus on forest soils for this course.

NRSC 2100
Forest Ecology and Silvics 1 (L) *3 credits (3,0,2)*

The main objectives of this course are to facilitate students' learning of the complexities and interactions that make up forest ecosystems, and how this knowledge can be used in predicting forest ecosystem responses to both natural and human-induced disturbances. Upon completion, students have an appreciation of forest ecosystem structures and functions, and how these components interact; how forest ecosystems change over time, and the ecological effects of various forest management practices. Additional topics include the spatial variation in forest ecosystems, methods of describing these variations, the characteristics of biogeoclimatic zones in British Columbia, and the identification and interpretive use of indicator plant species in the description of forest ecosystems.
Prerequisite: NRSC 1120 and NRSC 1220 or completion of 1st year general science.

NRSC 2110
Introduction to Forest Mensuration and Photogrammetry (L) *3 credits (3,0,2)*

This course teaches the student techniques used in basic photogrammetry, photo mapping and photo-based inventory systems. Use of maps and mapping systems will be implemented. Techniques for the measurement of tree stand variables, calculating tree volumes, estimating form and taper, as well as timber scaling and grading will be taught. Regression techniques will be used in the analysis of data collected by students. Some weekend fieldwork may be required.
Prerequisite: COMP 1350
Corequisite: STAT 2000 or BIOL 3000

NRSC 2200
Forest Ecology and Silvics 2 (L) *3 credits (3,0,2)*

Students examine the ecological and silvical characteristics of forest trees of Western Canada, with emphasis on ecological site assessment and applications of silvics in silviculture. This course also explores the identification and interpretive use of indicator plant species in the description of forest ecosystems, the soil and site features used in determining site quality, and the diagnostic procedures used in determining site quality.
Prerequisite: NRSC 2000 and NRSC 2100 or permission of the instructor.

NRSC 2230
Geographic Information Systems (L) *4 credits (2,3,3)*

This course is an introduction to basic concepts and applications of geographic information systems. The major topics include spatial analysis systems; applications of GIS on microcomputers to natural resource systems; spatial data entry; data compilation; and map output.
Prerequisite: PC computer skills
Exclusion: GEOG 2750

NRSC 3000
Diversity and Ecology of theVertebrates (L) *3 credits (3,0,3)*

Students in the natural resource field are introduced to vertebrate biology. The three main themes are animal ecology, comparative anatomy, and the systematics and identification of amphibians, reptiles, birds and mammals. Students address the evolutionary ecology of these groups, including the adaptive significance of morphological, physiological and behavioural traits. Key concepts of vertebrate ecology, such as evolution and the theory of natural selection, are introduced in addition to basic vertebrate anatomy and functional morphology. Laboratory work involves anatomical dissections and the taxonomic identification of terrestrial vertebrates, particularly those species found in British Columbia.
Recommended: An introductory course in ecology or evolution is recommended
Students who have taken BIOL 2250 or its equivalent need to contact the instructor prior to registering in the course.
Exclusion: BIOL 4270

NRSC 3020
Wildlife Research Techniques (L) *3 credits (3,0,3)*

Students are familiarized with and gain confidence using basic techniques and research tools used to study wildlife. The focus of the course is hands-on experience in the field and in the lab, preceded by background material in the lecture. Topics include survey design, radio-telemetry, mark-recapture, computer modeling, and wildlife habitat assessment. Students are required to take part in field work that may take place outside of scheduled class time, including at least one weekend field trip.
Prerequisite: BIOL 3000 or a similar introductory statistics course
Recommended: BIOL 3030

NRSC 3110
Grassland Ecology (L) *3 credits (3,0,2)*

This course provides an introduction to grassland ecology principles with the focus on BC grassland systems. Lectures will cover the difference between grasslands and rangelands, grassland physical characteristics, grassland ecosystems with a focus on BC grassland plant communities, plant physiology, succession, assessment theories, and monitoring of grassland, shrubland and savanna ecosystems. Labs will focus on grassland plant identification and characteristics of BC grassland plant communities.
Prerequisite: NRSC 2100 or permission of the instructor

NRSC 3170
Ichthyology (L) *3 credits (3,0,3)*

This course educates students in the systematics, anatomy, physiology, life history, and ecology of freshwater and marine fishes. Students learn to identify local freshwater fishes, and salmon species.
Prerequisite: NRSC 2100 or equivalent.
Exclusion: BIOL 3290

NRSC 3200
Silviculture *3 credits (3,0,2)*

This course emphasizes silvicultural concepts and principles as they apply to forest stand and landscape level management. Specific topics include principles of forest tree improvement; seed handling; nursery practices and artificial regeneration; natural regeneration and stand tending practices (thinning, pruning, vegetation management, fertilization and site preparation). A variety of silviculture systems are discussed in relation to economics, wildlife, biodiversity, and sustainability. The laboratories are designed as both field exercises and indoor laboratory sections (including computer modeling). Several field trips offer students an opportunity to observe forest nursery operations, woodlot management, and forest operations.
Prerequisite: NRSC 2000 & 2100 or permission of the instructor.

NRSC 3210
Range Management (L) *3 credits (3,2,2)*

Students explore applied range ecology and range management planning. Lecture topics include range history; range inventory and monitoring; animal management; stocking rates; animal distribution; grazing systems; cultivated forages; range improvements and developments; integrated use; legislation; and current grassland issues. Course material is used to develop a range management plan.
Prerequisite: NRSC 3110 or permission of the instructor

NRSC 3250
Natural Resource Field Studies (L) *3 credits (0,1,8)(0,1,0)*

Students in the Bachelor of Natural Resource Sciences program gain hands-on experience in the field, on topics pertinent to natural resource management. Under the rotating supervision of different faculty members, students conduct field surveys or visit sites where management activities are underway. The exercises include GIS and vegetation mapping, soil analyses, range management, and fisheries and wildlife work. Field exercises may require data analysis and written reports. Participation and completion of all field trips and subsequent reports are required. This course also serves the purpose of providing field trips for other concurrent 4th year courses in the Bachelor of Natural Resource Science program. Weekend field work is required.
Prerequisite: An introductory course in ecology or evolution is recommended.
Students who have taken BIOL 2250 or its equivalent need to contact the instructor prior to registering in the course.
Exclusion: BIOL 4270

NRSC 3260
Limnology (L) *3 credits (3,0,3)*

This course offers theoretical and applied aspects of limnology. Students consider the ecology of inland water organisms in relation to the physical, chemical, and biological factors that affect their interactions and production.
Prerequisite: NRSC 2100 or equiivalent BIOL 3000 or equivalent
Exclusion: BIOL 4020

NRSC 3980
Introduction to Research *1 credit (0,1,0)*

This course is available to 3rd year students who may be contemplating entry into the Honours program or undertaking a Directed Studies research project in their 4th year. The seminar focus is on formulation of a research hypothesis and production of a research proposal in preparation for application to do an Honours or Directed Study research project. Honours students are expected to take this course, although the

learning objectives may be completed under the supervision of an individual faculty member.
Prerequisite: 3rd year standing in a Bachelor of Science or Bachelor of Natural Resource Science program.

NRSC 4020
Natural Resource Entomology (L) *3 credits (2,0,2)*

Students are familiarized with significant entomology topics including the environmental and economic role of insects in forest ecosystems; the identification and basic biology of major groups of forest insects; behavioural ecology and population dynamics of major insect pests; an introduction to chemical ecology of insects; forest health and beneficial or pest insect balance; an introduction to management strategies for major forest insect pests; and the implications in context of the Forest Practices Code.
Prerequisite: BIOL 3030, NRSC 2100 and NRSC 2200
Corequisite: NRSC 3200

NRSC 4030
Natural Resource Pathology (L) *3 credits (2,0,2)*

Pathology deals with the biology (anatomy, morphology, physiology, life cycles), ecology, identification, and management of tree diseases. This course emphasizes the common tree diseases of western North American forests, and of British Columbia in particular. The course also includes information on the significant tree diseases of Eastern North America.
Prerequisite: NRSC 2100, NRSC 2200

NRSC 4040
Wildlife Management and Conservation 1: Theory and Principle (L) *3 credits (3,0,3)*

Students are introduced to the history, theory, and principles of wildlife conservation and management, with an emphasis on the scientific underpinnings of current conservation biology and wildlife management. Topics include island biogeography and reserve design, population viability analysis, principles of conservation genetics, introduced species, fragmentation, habitat loss, and the demography and extinction risk of small populations.
Prerequisite: BIOL 3030 and NRSC 3000 or BIOL 2250 or BIOL 4270

NRSC 4050
Wildlife Management and Conservation 2: Practice and Application *3 credits (3,0,3)*

Students build upon the theory and principles presented in NRSC 4040: Wildlife Management and Conservation 1, by further examining the application of scientific principles to the conservation of wildlife. Students also focus on the philosophy and human dimensions of wildlife conservation and management, particularly the need to balance multiple values in developing sustainable management planning. The course provides for the analysis and discussion of local and global case studies.
Prerequisite: BIOL 3000, NRSC 4040

NRSC 4100
Fisheries Management *3 credits (3,2,0)*

This course is a study of fisheries management topics, including methods of quantitative stock assessment, fisheries regulations and policy, habitat restoration, and fish stocking. Students collect and measure fish in a local lake, and produce a quantitative stock assessment report for that fishery.
Prerequisite: NRSC 3170 and NRSC 3260

NRSC 4110
Watershed Management *3 credits (3,2,0)*

Students are introduced to the basic principles of wildland hydrology and watershed management, including the role of climate, physiography, and vegetation in watershed function; the effects of land use on streamflow quantity, timing and water quality; and the techniques used in monitoring and assessing the impacts of land management on the water resource.
Prerequisite: NRSC 2000, NRSC 2100, NRSC 2000

NRSC 4130
Fire Ecology and Management *3 credits (3,2,0)*

Students develop a solid understanding of the importance of fire to ecosystems, communities, species, and human society. The first part of the course is devoted to understanding fire and how it interacts with the abiotic and biotic environment. Next, the focus shifts to the importance of fire from a historical, social, and political context. Students explore the theory, principles, tools, and organization of fire management, particularly as it applies to British Columbia and other regions of Canada. The main goal of this course is to increase awareness of the role of fire in ecosystems.
Prerequisite: NRSC 2100 or permission of the instructor

NRSC 4140
Natural Resource Policy and Planning *3 credits (3,2,0)*

Students focus on land and resource use policies and laws, and their development and administration in British Columbia, particularly as affected by aboriginal rights and title. The course provides an overview of specific land and resource policies in British Columbia, illustrates the policy cycle through teaching the fundamentals of strategic land and resource use planning, and introduces the practice of policy analysis.
Prerequisite: 3rd year standing in the Bachelor of Natural Resource Science program or permission of the instructor

NRSC 4210
Conflict Resolution in the Natural Resources *3 credits (2,2,0)*

This course is an exploration of the principles of conflict and conflict resolution as they are used and applied in natural resource management. Topics include a definition of conflict, how conflict arises, and how consensus is achieved by facilitation, interest-based negotiation, and mediation. Emphasis is placed on moving beyond simple problem-solving to the actual resolution of underlying conflicts and issues, such as shifting from positional to interest-based arguments. Reviews of past, current, and emerging conflicts in the natural resource sector are also incorporated. Students participate in role-playing exercises, and learn from one another as they enact mock conflict situations.
Prerequisite: 4th year standing in the Bachelor or Natural Resource Science program or permission of the instructor.

NRSC 4230
Graduating Essay *3 credits (3,0,0)*

Students complete an essay or technical report under the direction of a faculty member. The essay can take the form of a scientific paper or a detailed literature review of a selected subject area appropriate for the Bachelor of Natural Resource Science degree program. With permission of the Department one year prior to enrolling in the course, students may use data from personal research. Students are required to make an oral presentation summarizing the project.
Prerequisite: Final year in the BNRS program

NRSC 4240
Research Design, Analysis and Reporting *3 credits (3,0,2)*

Students advance their understanding of the basic principles of conducting research, including initial design of the project, data collection and analysis, and a final presentation of the results. Topics include scientific hypothesis testing, pre-and post-hoc power analysis, statistical design, pseudoreplication, modelling, data coding and entry, logistical constraints to research, and graphical presentation of data. An introduction is provided to advanced statistical methods that students may encounter in a career in research, such as power-analysis, multi-variate statistical analysis, logistic regression, survival analysis, and Bayesian statistics. Students use various software, including modelling, statistical analysis, and graphing packages, and become familiar with scientific peer-review, through a mock 'journal office'. Non-science majors may take the course under special permission from the instructor.
Prerequisite: BIOL 3000 with a C+ minimum or an equivalent statistical course. A basic competency in statistics and the use of computers is assumed. NRSC 4240 is open to senior undergraduates (3rd or 4th year standing) in the Faculty of Science. Senior un

NRSC 4250
Tropical Field Studies in Natural Resources (L) *3/6 credits (3,3,30)*

Students are introduced to the issues, approaches, and people involved with natural resource management in a tropical country. Topics generally include the ecological, social, economic and cultural aspects of natural resource management in the tropics. The scheduling and duration, and hence credit allotment, also varies with destination. A diverse study body is desirable; students from a variety of programs and disciplines are admissible. Class size is limited; potential students must submit an application to explain the relevance of the course to their own studies and interests. Students must consult with their program advisor(s) to determine whether they may receive credit for this course. For current details, including destination, content, cost, and application procedure, students should contact the instructor through the Department of Natural Resource Sciences.
Prerequisite: preferably 3rd or 4th year standing in a relevant degree program at TRU or elsewhere; other students may be admitted depending upon qualifications and demand

NRSC 4980
Honours Seminar *2 credits (0,2,0)*

Honours students are provided with constructive criticism of their thesis research project, in addition to an opportunity to explore and discuss topics of relevance to the field of natural resource science. The seminars consist of readings, group discussions, and alternating seminar presentations by students and interested faculty. Students register in this course in both the Fall and Winter terms of their last academic year of study.

Prerequisite: 4th year standing in the Bachelor of Natural Resource Science (BNRS) Honours degree program
Corequisite: NRSC 4990

NRSC 4990
Honours Thesis *6 credits*

This course requires an original research project conducted by students in the Honours Program of the Bachelor of Natural Resource Science (BNRS) degree. It is completed under the direction of a faculty member in the Department of Natural Resource Sciences, or a scientist from outside the department. Students accepted into the BNRS Honours Program register in this course in both the Fall and Winter semesters of their final academic year.
Prerequisite: 4th year standing in the BNRS Honours program
Corequisite: NRSC 4980

NURS 1170
Relational Practice 1: Self & Others *3 credits (0,3,0)*

This course focuses on the learner's personal discovery of self and self in relation to others. Through interaction and reflection, emphasis is placed on understanding how personal beliefs, values, experiences, and perceptions have shaped self over time, and relate to and impact on our caring experiences with self and others (individuals, families and groups).
Prerequisite: Acceptance into Year 1 of the Bachelor of Science Nursing program or Special arrangement with instructor.

NURS 1700
Professional Practice 1: Foundation to the Discipline of Nursing *3 credits (3,0,0)*

This course is an introduction to the discipline of nursing. Participants explore the historical development of nursing knowledge and theory, as well as contemporary understandings of nursing as a discipline and the body of knowledge that defines it. Relationships between practice, theory and research are explored.
Prerequisite: Acceptance into Year 1 of the Bachelor of Science Nursing program
Corequisite: NURS 1730, NURS 1740,

NURS 1730
Health and Healing 1: Living Health *3 credits (3,0,0)*

This course is an introduction to the meaning of health, including personal health, family health, community health, and societal health. Participants examine significant theoretical and conceptual frameworks of health including health promotion, primary health care, prevention and determinants of health. By reflecting on personal experiences, participants have the opportunity to identify personal resources and challenges that impact health as well as recognize the diversity of beliefs, values and perceptions of health held by others. Opportunities to learn basic health assessment skills are included.
Prerequisite: Acceptance into Year 1 of the Bachelor of Science Nursing program.
Corequisite: BIOL 1590, NURS 1700, NURS 1740

NURS 1740
Nursing Practice 1: Introduction to Nursing Practice (P) *3 credits (3,0,4)*

This course is an opportunity for participants to integrate their learning from first semester courses with their emerging understanding of nursing practice. Participants are engaged with healthy families in the community and with nurses in practice to explore the breadth of nursing practice.
Prerequisite: Acceptance into Year 1 of the Bachelor of Science Nursing program.
Corequisite: BIOL 1590, NURS 1170, NURS 1730, NURS 1800

NURS 1800
Professional Practice 2: Foundation to the Professsion of Nursing *3 credits (3,0,0)*

This course is an introduction to the profession of nursing. Participants examine the foundational concepts of the curriculum and how the concepts relate to nursing practice. Participants also explore the history of the profession of nursing and have the opportunity to explore and critically reflect upon the political and socioeconomic forces that have shaped the status of women in society and the evolution of the nursing profession. Standards of nursing practice and responsibility for safe and ethical nursing practice are also explored.
Prerequisite: Acceptance into Year 1 of the Bachelor of Science Nursing program
Corequisite: NURS 1170, NURS 1730, NURS 1740

NURS 1830
Health and Healing 2: Health Indicators *3 credits (3,0,0)*

Building on NURS 1730: Health and Healing 1, this course focuses on individual, family and community health assessment. Participants have opportunities to explore and critique various theoretical and conceptual frameworks in relation to health assessment, including early childhood development, family development, healthy aging and community development. The concept of assessment within the context of decision making is explored. Opportunities to learn basic health assessment skills are included in this course.
Prerequisite: BIOL 1590, NURS 1800, NURS 1730, NURS 1740
Corequisite: BIOL 1690, NURS 1700, NURS 1840

NURS 1840
Nursing Practice 2: Know the Client (P) *4 credits (2,3,8)*

This nursing practice experience provides opportunities to develop caring relationships with groups, families and individuals across the lifespan. Emphasis is placed on health assessment and coming to know how clients understand and promote their health, and the role of the nurse in partnering with the client in this process. Participants work with groups, families and individuals in the home and community, in agencies, and in care facilities to incorporate concepts and learning from all courses in this semesterinto their nursing practice.
Prerequisite: BIOL 1590, NURS 1170, NURS 1800, NURS 1730 and NURS 1740
Corequisite: BIOL 1690, NURS 1700 and NURS 1830

NURS 2170
Relational Practice 2: Creating Health-Promoting Relationships *3 credits (3,0,0)*

Building on NURS 1170: Relational Practice 1, participants move beyond personal discovery to focus on relational caring. The major emphasis of the course is relational practice with individuals, families, and groups from diverse backgrounds of age, culture, and experience. This is an experiential course designed to deepen the participant's understanding of caring and how the connection between caring and relationship provides the context for health and healing. Participants explore theories and processes of caring, relational identity development of self as nurse, and relational practice as enacted across a range of settings and contexts.
Prerequisite: NURS 1800, NURS 1830 and NURS 1840
Corequisite: HLSC 2550, NURS 2730 and NURS 2740

NURS 2380
Consolidated Practice Experience 2 (P) *4 credits (0,0,36)*

In this consolidated practice experience, opportunities are provided to develop caring relationships for the purpose of healing and health promotion with individuals and families experiencing increasingly complex chronic and episodic health challenges. The community and society are considered as contextual influences on the promotion of health for the individual and the family. Participants consolidate learning from the first and second year of the program in a variety of settings.
Prerequisite: HLSC 2650 and HLSC 2660, NURS 2830, NURS 2840

NURS 2730
Health and Healing 2: Health Challenges and Healing Initiatives *3 credits (3,0,0)*

Building on the learner's understanding of health, the focus of this course is on people's experience with healing for both chronic and episodic health challenges. Participants integrate theory and concepts of health as they relate to healing. This course is complimentary to Health Sciences 3 and provides opportunities for learners to integrate pathophysiology with their understanding of health and healing, and the nursing approaches that accompany this understanding.
Prerequisite: Completion of Year 1.
Corequisite: HLSC 2550, NURS 2170 and NURS 2740

NURS 2740
Nursing Practice 3: Health & Healing (P) *4 credits (2,0,13)*

This nursing practice experience provides opportunities to develop caring relationships with individuals and families for the purpose of health promotion while coming to understand their unique health and healing processes. Participants have opportunities to practice nursing approaches that accompany this understanding. To incorporate concepts and learning from all the courses in this semester into their nursing practice, partipants work with families and individuals experiencing common health challenges (both episodic and chronic) in the home and community, in agencies, and in care facilities. The community and society are considered as contextual influences on the promotion of health and healing for the individual.
Prerequisite: Completion of Year 1.
Corequisite: HLSC 2550, NURS 2170, NURS 2730

NURS 2830
Health and Healing 4: Health Challenges and Healing Initiatives *3 credits (3,0,0)*

Participants in this course continue to develop an understanding of people's experience with healing related to a variety of increasingly complex chronic and episodic health challenges within a variety of practice contexts. This course is complementary to Health Sciences 4 and provides opportunities for learners to integrate pathophysiology with

their understanding of health and healing and the nursing approaches that accompany this understanding.
Prerequisite: HLSC 2550, NURS 2170, NURS 2730, NURS 2740
Corequisite: HLSC 2650, NURS 2840

NURS 2840
Nursing Practice 4: Health & Healing (P) *4 credits (2,0,13)*
Learners continue to develop caring relationships with individuals and families for the purpose of health promotion, while coming to understand the individual health and healing processes that coincide with more complex health challenges, both episodic and chronic. To incorporate concepts and learning into their nursing practice, participants practice nursing approaches that accompany this understanding while working with families and individuals in the home, community, agencies, and care facilities. The community and society are considered as contextual influences on the promotion of health for the individual and the family.
Prerequisite: HLSC 2550, NURS 2170, NURS 2730 and NURS 2740
Corequisite: HLSC 2650, NURS 2830

NURS 3170
Relational Practice 3: Connecting Across Differences
3 credits (3,0,0)
Building on the concepts introduced in Relational Practice 1 and 2, and other previous courses, students are provided a synthesis of knowledge that is the basis of critical analysis. This course focuses on enhancing participants' everyday relational practice with individuals, families, and groups. Engaging with the complexities of difference in everyday nursing practice and the challenges these complexities might pose for being in-relation with clients is emphasized.
Prerequisite: HLSC 2550, HLSC 2650, HLSC 2660, NURS 2170, NURS 2380, NURS 2730, NURS 2740, NURS 2830, NURS 2840, PHIL 2310
Corequisite: HLSC 3550, NURS 3730, NURS 3740

NURS 3360
Consolidated Field School Experience: Focus on Aboriginal Health
4 credits (0,3,36P)
This experience is designed to provide opportunities for participants to integrate their learning from previous semesters. Students advance their understanding of Aboriginal culture and health and advance their clinical decision-making skills through experiential learning within an Aboriginal community. Concepts that provide the framework of the course advance students' understandings of historical, socioeconomic and political inequities associated with difference, and learning experiences assist students in developing competencies that meet the health needs of Aboriginal Peoples. Participants travel to a selected Aboriginal community to practice nursing in a variety of settings, including caring for individuals or families, and community or public health.
Prerequisite: NURS 3500, NURS 3510

NURS 3380
Consolidated Practice Experience 3 (P)
4 credits (0,3,33)
This experience is designed to provide opportunities for participants to integrate learning from previous semesters, and to advance their clinical decision-making in episodic or chronic care facilities.
Prerequisite: NURS 3500, NURS 3510

NURS 3390
Consolidated Practice Experience: International Nursing (P)
4 credits (0,3,33)
This experience is designed to provide opportunities for participants to integrate their learning from previous semesters and to advance their clinical practice in an international nursing context. Participants travel to a selected international site to practice nursing in a variety of settings which may include acute care, community and primary care settings.
Prerequisite: NURS 3500, NURS 3510
Exclusion: This course may be taken in lieu of NURS 3380

NURS 3500
Health 4: Health Promotion and Community Empowerment
3 credits (0,3,0)
This course focuses on community as client from a health promotion perspective. The underlying principles of health promotion, including the social determinants of health, participation, capacity, and empowerment, are emphasized. Community development as a pattern of community health promotion practice is explored.
Prerequisite: NURS 3170 or RN Diploma

NURS 3510
Nursing Practice 6 (P) *4 credits (0,3,6)*
The content and the application of concepts in this course focus on the role of the nurse in the promotion of community and societal health. This course is intended to be a companion course to NURS 3510. In seminar discussion and in practice settings, students apply concepts such as community development, capacity building, and emancipatory teaching and learning. The political and advocacy role of the nurse is also explored, as an emphasis is placed on applying the concepts of social justice and equity. Students also continue to develop their competencies in relational practice with a focus on community and society as client.
Prerequisite: NURS 3170 or Registered Nurse (RN) diploma
Corequisite: NURS 3500

NURS 3600
Professional Practice: Nursing Research *3 credits (3,0,0)*
Building on professional practice 1 and 2, the intent of this course is to enhance participants' understanding of nursing scholarship in relation to professional practice. Students engage in opportunities to enhance their understanding and ability to comprehend, critique and utilize nursing research. Participants critically reflect on various scholarly works and research methodologies. Participants critically examine their practice in relation to nursing research and to pose research questions for evidence-informed practice.
Prerequisite: NURS 3740 or Registered Nurse (RN) diploma
Corequisite: NURS 3500, NURS 3510

NURS 3730
Health and Healing 5: Complex Health Challenges and Healing Initiatives *3 credits (3,0,0)*
This course builds on Health and Healing 1 and 2, and Health Sciences 3 and 4, and provides opportunities for participants to build on their nursing knowledge and understanding of health and healing in relation to complex episodic and chronic health challenges. This advanced course focusses on current topics and emerging knowledge related to a variety of health care contexts.
Prerequisite: Completion of Year 2 BSN program.
Corequisite: HLSC 3550, NURS 3170, NURS 3740

NURS 3740
Nursing Practice 5: Promoting Health and Healing (P)
4 credits (2,0,13)
This experience provides continued opportunities for learners to develop caring relationships with individuals and families while coming to understand health and healing processes. Participants have opportunities to practice nursing approaches that accompany this understanding. Participants work with families and individuals in the home and community, in agencies, and in care facilities to incorporate concepts and learning from all the courses in this semester into their nursing practice.
Prerequisite: Completion of Year 2 of the Bachelor of Science in Nursing program.
Corequisite: HLSC 3550, NURS 3170, NURS 3730

NURS 3850
Field Course in Global Health Development in Nicaragua (P)
3 credits (3,3,18)
This course focuses on health development with a special emphasis on understanding cultural, social, economic, and political environments and their impact on health in a foreign country. Participants integrate global health and community development perspectives in an international nursing context. During a pre-departure week, the course participants attend several lectures that provide information about the country where the field school is located, theory on health development work and related project information. Participants travel to the chosen country and engage in health development projects for a two week period, drawing on principles of community development.
Prerequisite: NURS 3500, NURS 3510, NURS 3810, Special request for students in the Post Diploma BScN program or Permission of the instructor.

NURS 4210
Nursing Practice 8: Transitioning to BSN Graduate (P)
10 credits (0,3,36)
This nursing practice experience provides opportunities for students to consolidate their learning, and prepare to assume the role of a BSN graduate. Students also explore and critique changes and issues, in the health care system and in the workplace, that affect nurses. Students develop their nursing competencies and enhance their nursing knowledge so that they may practice at a novice level, in a variety of settings. Students may choose to focus their practice within a specific area; for example, a particular setting of practice, a certain client population, or a specific health challenge.
Prerequisite: NURS 4300, NURS 4380, NURS 4730

NURS 4300
Health and Professional Growth: Nurses Influencing Change
3 credits (3,0,0)

This course explores the avenues for nurses to provide leadership, influence, create and manage change for the promotion of health for individuals, families, groups and communities within the context of society and the world. Emphasis is placed on the leadership roles of the nurse within practice contexts. The role of the nurse within the current and evolving Canadian health care system is analyzed, including considerations of the impact of global trends and issues, and issues facing nurses in the current work environment. Collaborative and ethical approaches for working within institutional philosophies and frameworks are explored.
Prerequisite: NURS 3500, NURS 3510, Registered Nurse diploma or Written permission of the Nursing Chair in consultation with the course instructor
Corequisite: NURS 4730

NURS 4380
Community Health Nursing: Practice 7 (P)
4 credits (0,2,14)
Seminar and practice experiences provide opportunities for participants to integrate their learning from previous semesters and to advance their knowledge and professional nursing practice in community health nursing. Participants enhance their learning and apply their clinical decision-making skills in a variety of community health nursing practice settings.
Prerequisite: NURS 3380 or NURS 3390 or Registered Nurse (RN) diploma
Corequisite: NURS 4730

NURS 4730
Community Health: A Canadian Perspective
3 credits (3,0,0)
This course encompasses theoretical constructs that undergird community health nursing. It is intended to be a companion course for both Professional Practice 5 and Nursing Practice 7. Students integrate learning from previous semesters and knowledge of complex aspects of community health nursing is advanced.
Prerequisite: NURS 3380 or NURS 3390 or Registered Nurse (RN) diploma
Corequisite: NURS 4380

OAAS 3100
Electronic Spreadsheets
This is an introductory course to familiarize students with the concepts, operation, and applications of an electronic spreadsheet. Students are provided an opportunity for hands-on training, and then apply their knowledge to business applications.
Prerequisite: OADS 1000

OABW 2100
Business Writing
Students write and compose business communications while incorporating effective letter and report writing techniques, and correct grammar, punctuation, and spelling. Oral communication is also an integral part of the course.
Prerequisite: OACM 1100

OACP 2410
Computer Integrated Project
Students set-up and maintain accounting records for a simulated company using source documents, including various transactions and records (G/L, A/R, A/P, payroll, inventory), manual records, and a variety of software packages (Simply or ACCPAC, Excel, word processing).
Prerequisite: OAAC 2560, OAAC 3400 OAAS 3100

OACP 2420
Introduction to Web Page Design
Students are familiarized with the concepts involved in creating web pages for business. Students are introduced to hypertext markup language (HTML), and move into Microsoft FrontPage to design web pages. Hands-on training opportunities are provided, and students apply their knowledge to business applications and projects.
Prerequisite: OADS 1000, OAWP 1000

OADB 1000
Database and Records Management
This is an introductory course designed to familiarize students with the concepts and applications of an electronic database.
Prerequisite: OADS 1000

OADS 1000
Introduction to Computers & Internet
Students are introduced to computers, the internet, and the Windows operating system. Students learn essential terms and concepts, file and disk management with Windows, and the operational features of an internet browser.
Prerequisite: Keyboarding speed minimum 25 wpm

OAHR 3100
Business & Human Relations
Students learn to develop the skills and techniques necessary to promote good business and human relations required in today's modern office environment.

OAHR 3200
Applied Human Relations
Students build on the foundation skills introduced in OAHR 3100: Business & Human Relations, which is offered in the Fall semester. Students learn how to apply various skills and strategies to effectively resolve difficult problems, conflict, and confrontation in the workplace, and promote stress management. Students also develop a personal plan for attitude renewal.
Prerequisite: Successful completion of the Fall semester of the Office Administration Program

OAJS 3000
Resume & Job Search
Students participate in instructional sessions and activities involving preparation of resume and employment letters, job search strategies, and interview techniques.

OAMA 1000
Business Math & Calculators
Students are provided a review of basic math skills specifically related to business documents and activities, and develop operating techniques and skills required in the use of electronic printing calculators.

OAPR 1100
Administrative Procedures
This course is designed to assist students in developing interpersonal skills and demonstrating competency in the following business skills: telephone techniques, receptionist procedures, filing techniques, office systems management, and oral communications. Students develop essential organizational skills and apply their skills in an office setting.
Prerequisite: Keyboarding speed minimum 25 wpm, Business English and Word Processing 1

OAPR 2100
Office Integration Project
This is a capstone project course where the student puts together a multi-media presentation utilizing most or all of the windows-based software covered previously in the program. Topics must be approved by the instructor.
Prerequisite: Successful completion of all other courses in the Administrative Assistant Program

OAPR 5000
Practicum
During this two-week practicum, students are provided an opportunity to apply their skills and knowledge to meet the expectations of the employer in a real work situation. Students observe and learn daily office routines, and assist the host employer by performing tasks as required.
Prerequisite: Successful completion of Semester 1 and Semester 2 courses an established keyboarding speed of 40 wpm

OATS 3000
Keyboard Accuracy and Speed Development
Students develop speed and accuracy on the computer through drills and regular speed tests.
Prerequisite: : Students should be able to keyboard at the required prerequisite 25 words per minute on a five-minute timing for their chosen program.

OAWP 1000
Word Processing
Students are introduced to the theories and practical applications of a popular word processing program. Opportunities are provided for students to learn word processing for employment purposes, using hands-on, step-by-step exercises at the computer.

OAWP 3700
Desktop Publishing
This is an advanced course in word processing. Students are encouraged to produce documents suitable for inclusion in their own portfolio.
Prerequisite: OAWP 1000

OAWP 3850
Windows Integration

Students learn to utilize the high level of integration available under the Windows environment, and explore important Windows concepts. Students use powerpoint to showcase their work in a electronic presentation format, as well as producing a portfolio of work samples, which is a valuable tool for job searches and interviews. This course focuses on the many ways that information can be shared and exchanged between applications.
Prerequisite: OADS 1000, OABD 1000 OAAS 3100, OAWP 3700

OEED 4150
Outdoor and Experiential Education Concepts
3 credits (3,0,0)
This course is a study of outdoor and experiential education concepts, and develops a common foundation of outdoor and experiential education understanding. Students explore outdoor and experiential instructional techniques and how learners form their personal identity, values, beliefs, feelings, and attitudes. Course content includes outdoor experiential education definitions, goals, fields of study, history, theory, and future trends.
Prerequisite: 3rd year standing or with permission of the instructor

OEED 4200
Outdoor and Experiential Education Program Development, Design and Delivery *3 credits (3,0,0)*
In this course, students explore the elements of outdoor and experiential education program development, design and delivery. The course focus is on the creation of experiential learning opportunities in the outdoor environment and the facilitator's role in program delivery.
Prerequisite: 3rd year standing or with permission of the instructor

OEED 4250
Outdoor Leadership 1 *3 credits (3,0,0)*
This course explores the elements of outdoor and experiential education leadership. Students focus on the safe and effective leading of outdoor and experiential day- and multi-day programs. Effective leadership skills and the development of experiential facilitation and instructional techniques are studied in a practical field-trip setting.
Prerequisite: 3rd year standing or with permission of the instructor

OEED 4300
Outdoor Education Legal Liability and Risk Management
3 credits (3,0,0)
This course is intended to provide a background in the legal and risk management elements of the disciplines specific to outdoor and experiential education disciplines. Course content includes: education and custodial group standards of care, the legal system and outdoor education, contemporary legal issues in outdoor education, public and parental perception and understanding, the law and custodial care groups, standards of care in outdoor education, accident review process, risk management, land access issues, and case studies.
Prerequisite: 3rd year standing or with permission of the instructor.

OEED 4450
Environmental Interpretation and Natural History
3 credits (60 hours)
This course provides a base of knowledge about the natural history of Western Canada and its interpretation. Course experiences expose students to the natural communities within British Columbia with the intent of, as Aldo Leopold suggests, allowing us to see that the land is a community to which we belong and more than just a commodity or nice backdrop. Emphasis is placed upon the creation of experiential interpretive interactions.
Prerequisite: 3rd year standing or with permission of the instructor.

OEED 4460
Outdoor Fine Arts *3 credits (60 hours)*
This course explores the elements of fine arts in the outdoors, and its use in experiential education. Students focus on the development of creative and applied arts, including sculpture, music, drama, drawing, paints, photography, and alternative arts in experiential settings and delivery formats. The use of natural materials and resources is emphasized.
Prerequisite: 3rd year standing or with permission of the instructor.

OEED 4470
Initiative and Challenge Games *3 credits (60 hours)*
This course explores use of initiative and challenge games in outdoor and experiential education. Students focus on the creation of experiential learning and group cohesion through the use of team building activities, ropes courses, icebreakers, group activities, games and trust activities.
Prerequisite: 3rd year standing or with permission of the instructor.

OEED 4480
Wilderness Travel and Navigation *3 credits (60 hours)*
In this course, students explore the theoretical and practical aspects of wilderness travel and navigation. Theoretical topics include appropriate clothing and equipment, navigation, environmental considerations, travel techniques, route plans, and trip planning. The course includes a backpack trip that focuses on navigation, route selection, group management, and pacing, minimum impact camping and hazard awareness.
Prerequisite: 3rd year standing or with permission of the instructor.

OEED 4490
Winter Backcountry Travel *3 credits (60 hours)*
Students explore the theoretical and practical aspects of winter backcountry travel. Theoretical topics include appropriate clothing and equipment, navigation, environmental considerations, travel techniques, route plans, and trip planning. The course includes a winter snowshoe and skiing trip that focuses on winter camping skills, winter travel skills, navigation, route selection, group management, pacing, minimum impact camping, and hazard awareness.
Prerequisite: 3rd year standing or with permission of the instructor.

OEED 4500
Flatwater Canoe Tripping *3 credits (60 hours)*
Students explore the theoretical and practical aspects of flatwater canoe tripping. The course includes the CRCA (Canadian Recreational Canoeing Association) Flatwater Instructor certification. Theoretical topics include appropriate canoe clothing and equipment, navigation, environmental considerations, flatwater travel techniques, route plans, and trip planning. The course includes a flatwater canoe trip that focuses on canoeing skills, travel skills, navigation, route selection, group management, minimum impact camping and hazard awareness.
Prerequisite: 3rd year standing or with permission of the instructor.

OEED 4510
Top Rope Rock Climbing Management *3 credits (60 hours)*
The intent of this course is to develop safe managers of top rope rock climbing sites aimed at school and custodial group leaders: a high level of climbing ability and lead climbing is not required. Topics include rock climbing clothing and equipment, environmental considerations, top rope rock climbing technique, belayed rappels, top rope rock climbing site selection, group management, hazard awareness, terrain, and safety guidelines.
Prerequisite: 3rd year standing or with permission of the instructor.

OEED 4520
Avalanche Skills Training *3 credits (60 hours)*
This course introduces avalanche concepts and develops awareness in backcountry travellers. Topics include how to recognize avalanche terrain, how to avoid avalanche terrain, how to recognize dangerous conditions, how to minimize risk, and how to manage a self rescue. This course meets the standards developed by the Canadian Avalanche Association for Avalanche Skills Training Level 1 and 2.
Prerequisite: 3rd year standing or with permission of the instructor.

OEED 4530
Elective Activity *3 credits (60 hours)*
As approved by the Adventure Studies Department Chairperson, students may receive credit for participation in additional adventure activity courses not taught within the Post-Graduate Certificate in Outdoor and Experiential Education. Courses must be from recognized training programs to receive consideration.
Prerequisite: 3rd year standing and with approval of the Adventure Studies department chairperson.

ORGB 2810
Organizational Behaviour *3 credits (3,0,0)*
Students examine the behavior of individuals and how they interact with each other in different workplace organizations. Topics include defining organizational behavior; perception, personality and emotions; values, attitudes and their effects in the workplace; motivating self and others; working in teams; communication, conflict and negotiation; power and politics; leadership; decision making, creativity and ethics; and organizational culture and change.
Prerequisite: ENGL 1100
Exclusion: Students cannot receive credit for both ORGB 2810 and TMGT 1160 (C+ or higher).

ORGB 3750
Creativity and Innovation *3 credits (3,0,0)*
Students explore the theory and practical strategies for promoting creative and innovative thinking in the workplace and managing employees through these processes. Topics include types of innovation, the S-shaped diffusion curve, generating new ideas,

recognizing opportunities, moving innovations to the market, creativity and creative groups, enhancing creativity, and leading creativity.
Prerequisite: CMNS 1290, ORGB 2810

ORGB 3770
Teamwork in Organizations *3 credits (3,0,0)*
Students develop an understanding of the nature, design and processes of effective teamwork as well as a practical skill set for team membership. Topics include the importance of teams; assessing a team's experience and insights; building a balanced team; building a high performance team; becoming a team member, follower, and leader; team building; team evaluation and accountability; observing team leadership skills at work; identifying and overcoming team dysfunctions; motivating team members and leaders; and developing intercultural teams.
Prerequisite: CMNS 1290, ORGB 2810

ORGB 3810
Organizational Theory and Design *3 credits (3,0,0)*
Students explore the theory and application of organizing in complex workplace environments. Various conceptual tools and theoretical frameworks are utilized to systematically investigate organizing processes and contexts and solve practical problems. Topics include organizations and organization theory; organizational stakeholders; the external environment; organizational structure and design; organizational culture; decision making; conflict, power and politics; and organizational change and transformation.
Prerequisite: CMNS 1290, HRMN 2820

ORGB 4870
Organizational Development and Change
3 credits (3,0,0)
In today's business environment, a human resource practitioner must be a skilled change manager. Students learn to become agents for change, to improve human resources and organizational effectiveness, and to increase productivity. Topics include an introduction to organizational development; change process; organizational change and human resource management; organizational assessments; assessment tools and techniques; organizational interventions; human resource management interventions; and human resource metrics.
Prerequisite: ORGB 3810

PARW 1010
Parts and Warehousing Person 1
Students learn and practice the ordering, warehousing and inventory control procedures for businesses related to the automotive, commercial transport, heavy duty parts departments, and industrial warehousing sectors.
Prerequisite: Students must successfully pass the Accuplacer entrance exam with a minimum of Grade 10 or equivalent, including English 10 and Mathematics 10. Grade 12 preferred.

PHED 1000
Biomechanics: The Analysis of Performance in Individual Sports
3 credits (3,1,0)
This course is an examination of the role of analysis in developing effective biomechanically correct individual sport performance. Skill analysis, error detection, error correction, and the application of sport science principles are included with an introduction to the appreciation of movement patterns in sport.

PHED 1100
Basketball *3 credits (1,2,0)*
This course focuses on industrial and coaching techniques associated with the sport. The development of fundamental individual and team skills are an integral part of the course. Offensive and defensive skills and strategies are also central to the course. Each student is provided an opportunity to learn how to instruct and coach other students in the skills, as well as learn the specific skills related to basketball.

PHED 1120
Outdoor Activities *3 credits (3,0,0)*
Students are introduced to a variety of outdoor pursuits like cross country skiing, kayaking, hiking, survival and snowshoeing. Due to the varying levels of risk associated with outdoor activities, participants are required to sign the Department of Physical Educations' informed consent.
Prerequisite: Students are responsible for providing their own transportation, equipment, and additional costs associated with the activities.

PHED 1140
Aquatics *3 credits (3,0,0)*
This course emphasizes the knowledge and skills associated with aquatic activity. Water safety, principles of buoyancy and water activities, stroke analysis and development are a major focus for the semester. Students are provided an opportunity to work toward a number of senior swimming levels.
Recommended: It is recommended that students enrolling in this course be able to swim 200 meters.

PHED 1160
Soccer *3 credits (3,0,0)*
This course focuses on instructional and coaching techniques associated with soccer. The development of fundamental individual and team skills are an integral part of the course. Offensive and defensive skills and strategies are central to the course. Each student is provided an opportunity to learn how to instruct/coach other students in the skills as well as learn the specific skills related to soccer.

PHED 1190
Volleyball *3 credits (3,0,0)*
This course focuses on instructional and coaching techniques associated with volleyball. The development of fundamental individual and team skills are an integral part of the course. Offensive and defensive skills and strategies are central to the course. Each student is provided an opportunity to learn how to instruct/coach other students in the skills as well as learn the specific skills related to volleyball.

PHED 1230
Conditioning *3 credits (3,0,0)*
Students are instructed in the basic principles for health and skill-related fitness. The course provides a basic understanding of the physiological basis for conditioning programs applicable to competitive sport. A discussion of fitness assessment is also a focus in this course.

PHED 1240
Golf *3 credits (3,0,0)*
This course focuses on instructional and coaching techniques associated with the sport. The development and analysis of fundamental individual skills is an integral part of the course. Each student is provided an opportunity to learn how to instruct and coach other students in the skills, as well as learn the specific skills related to golf.
Prerequisite: Students are responsible for their own transportation and equipment and extra costs are associated with this course.

PHED 1280
Games Contest & Relays *3 credits (3,0,0)*
Individual, pairs, teams and group activities are taught in this course. Each student is required to invent and teach an activity, with the focus on teaching, and consider strategies to make incremental and rule changes for each. This course is an excellent preparation for students wishing to become teachers and recreationalists.

PHED 2000
The Analysis of Performance of Team Games, Activities and Sports from Pedagogical and Coaching Perspectives
3 credits (3,1,0)
This course includes an examination and introduction of the structure, analysis and instruction of team activities, games and performance. Selected team sports are used as models of analysis. Topics include the study of the common elements in team sports, pedagogical theories on instruction of games, and an examination of analysis methods and procedures.

PHED 2110
An Introduction to the Study of Sport *3 credits (3,0,0)*
This course examines the nature and development of sport through an analysis of historical, academic and popular literature.

PHED 2130
Sport in Canadian Society *3 credits (3,0,0)*
This course offers a historical and theoretical analysis of sport in Canadian Society. Students develop an awareness of the role played by physical education and sport in society, and examine the societal changes that influence sport development.

PHED 2140
Psychology of Sport and Physical Activity
3 credits (3,0,0)
Students discuss psychological theories and research related to sport and health-related physical activity. Topics include socialization for participation, motivation, stress, psychological limits, aggression, competition and co-operation, audience effects, leadership, role of the coach and group cohesion, ethical behaviours, motivation, and aspirations.
Prerequisite: 2nd year standing

PHED 2150
Exercise Physiology (L) ***3 credits (2,0,2)***
Students are introduced to the basic components of physiology as they apply to health, fitness and exercise. An examination of the acute and chronic effects of physical activity on the functions of the human body (metabolic, cardiovascular, respiratory, muscular) through lecture and laboratory experiences is emphasized.
Prerequisite: BIOL 1690 or permission from the instructor.

PHED 2210
The Dynamics of Motor Skill Acquisition ***3 credits (3,0,0)***
This course provides an introduction to the examination of motor skill acquisition and the variables which influence the learning and performance of motor skills. Theoretical models on motor learning are introduced and discussed from a pedagogical perspective.

PHED 3000
Service and Learning Project ***3 credits (3,0,0)***
This course provides Physical Education Teacher Candidates with an orientation to physical education in elementary schools, and an opportunity to link on-campus instruction with teaching experiences in the school setting.
Prerequisite: Acceptance into the Bachelor of Education Elementary - Specialization in Physical Education program.

PHED 3450
Contemporary Issues in Health and Physical Activity
3 credits (3,0,0)
This course helps identify and address contemporary lifestyles, associated behaviours, and major health concerns in present-day society. Techniques and strategies used to make positive lifestyle changes are studied and discussed in addition to the responsibility of the consumer.

PHED 3650
Coaching Pre-Adolescent Students ***3 credits (1,2,0)***
This course provides practical and theoretical experience in dealing with pre-adolescent students in the school sports setting. The course incorporates 1 hour per week of classroom teaching with 2 hours per week of practical coaching in elementary schools, or similar sport settings.
Prerequisite: PHED 2000
Corequisite: PHED 3840

PHED 3660
Advanced Movement Education ***3 credits (3,0,0)***
Students explore human movement from a broad range of perspectives. Educational gymnastics, dance, movement, and games are analyzed from a multi-disciplinary approach with regard to instruction to school-aged children.
Prerequisite: PHED 1000 or permission from the instructor

PHED 3840
Physical Growth & Motor Development
3 credits (3,0,0)
Students examine the physical growth and motor development throughout the lifespan, with particular reference to the effects of physical activity on growth, development and health. Developmental differences in motor ability are studied.
Prerequisite: PHED 2210

PHED 4350
Fitness Assessment and Exercise Prescription
3 credits (3,0,0)
The emphasis of this course is on exercise prescription and testing, for the healthy adult population and for special populations or persons with a disability. Students' laboratory work is focused primarily on the exercise testing aspect of the course.
Prerequisite: PHED 1230, PHED 2150

PHIL 1010
Introduction to Philosophy: Pre-Socratics to Hume
3 credits (3,0,0)
This course is a general introduction to philosophy using a historical approach. The course covers the period from before Socrates up to and including the French Revolution. Students discuss major philosophers including Plato, Aristotle, Aquinas, Descartes, Hume and Wollstonecraft. Major topics and questions explored in this course include: What is the good life? Does God exist? What is the relationship between mind and body? How is knowledge possible? What is the nature of reality? Are women equal to men in abilities and rights?
Prerequisite: Students may take at a maximum two of PHIL 1010, PHIL 1020, PHIL 1100

PHIL 1020
Introduction to Philosophy: 1784 – Present
3 credits (3,0,0)
This course is a general introduction to philosophy which spans the Enlightenment to present day time period. The major philosophers discussed in this course include Kant, Marx, Darwin, Mill, Nietzsche and Sartre. The major topics explored include: Is there progress in history? What are the origins of our moral ideas? What rights do individuals have? Does life have meaning?
Prerequisite: Students may take a maximum of two of PHIL 1010, PHIL 1020, PHIL 1100

PHIL 1100
Introduction to Philosophy: Problem and Themes
3 credits (3,0,0)
This course is a general introduction to philosophy. Questions that are typically discussed include: What is morality? Is there a God? Is there life after death? What can we know and how can we know it? What is the nature of reality? Is there free will? Are there fundamental rights? What constitutes a 'good life'? What is the nature of society? What form of government should we have? What is the relation of the mind to the body? What is art? Is censorship a good idea? Readings are taken from classic and/or modern texts.
Prerequisite: Students may take a maximum of two of PHIL 1010, PHIL 1020, PHIL 1100

PHIL 1110
Introduction to Critical Thinking ***3 credits (3,1,0)***
This course enables students to distinguish between good and poor reasoning. Students are introduced to logical analysis, which entails an examination of the meaning of logical terms and an investigation of their contribution to the arguments in which they occur. Considerable attention is given to representing the logical structure of arguments and deciding their validity or invalidity.

PHIL 2010
Introduction to Ethics ***3 credits (2,1,0)***
Ethics is the philosophical examination of 'the good life', or the kind of life that is most worth living. It is also the study of the values by which we live, and the values of others. Students explore questions of right and wrong (morality), consider the place of morality in life as a whole, and whether life has meaning. In particular, students discuss the nature and origin of morality, and to what extent being moral is necessary to living a good life.
Prerequisite: 2nd year standing.

PHIL 2100
IIntroduction to Ancient Philosophy ***3 credits (3,0,0)***
Students are introduced to the most important philosophers of the Western ancient world, including Plato and Aristotle, as well as Epicureanism and Stoicism.

PHIL 2140
Foundations of Philosophy: Knowledge ***3 credits (3,0,0)***
Students explore the nature, source and limits of human knowledge. Topics include whether we could be systematically wrong about everything; the influence of will on belief; the difference between knowledge and mere opinion; and the relation between knowledge, justice and power.
Recommended: PHIL 1010, PHIL 1020, PHIL 1100

PHIL 2150
Foundations of Philosophy: Reality ***3 credits (3,0,0)***
Intriguing questions about what makes up reality and how reality works are central to this course. Topics include appearances and reality; free will and determination; mind and body; being and substance; and the nature of time and space.
Recommended: PHIL 1010, PHIL 1020, PHIL 1100

PHIL 2160
Technology and the Environment ***3 credits (3,0,0)***
Students examine what 'technology' is, the relationships and differences between technology and nature, and the role that technology plays in current environmental issues. The course raises the question of whether technology can help us find solutions to environmental crises, or if those problems are a direct result of seeing the world from a technological point of view.

PHIL 2210
Contemporary Moral Issues ***3 credits (2,1,0)***
Students examine contemporary moral issues, such as abortion; euthanasia; capital punishment; environmental ethics; business ethics; pornography and censorship; treatment of the mentally ill; patients rights; and the ethics of warfare. Classical theories of ethics are examined and applied to contemporary problems.

PHIL 2220

Elementary Formal Logic ***3 credits (2,1,0)***

This course is an introduction to contemporary symbolic or formal logic. Students explore the fundamentals of good reasoning by learning sentence and predicate logic. Students translate English sentences into logical notation, and use truth tables and derivations to demonstrate the validity of arguments.

PHIL 2240

Philosophy of Technology and Society ***3 credits (2,1,0)***

The focus of this course is on the philosophical implications of the impact of computers, technology, and the information age on the modern world. Students examine the ethical, metaphysical, epistemological, social, scientific and political intersections of human engagement with technology. Topics may include privacy, intellectual property, encryption, spying, access to information, social media (texting, Facebook, Twitter, etc), and censorship.

PHIL 2290

Philosophy of Emotions ***3 credits (3,0,0)***

This course examines the role emotions play in our lives and critically examines some traditional beliefs about emotion from the standpoints of philosophy, psychology and sociology. The issues and topics considered in this course include the relation of emotions to reason, the role of feeling in moral judgment, and the relation of emotions to action. Students also consider specific emotions, such as love and anger, as well as looking at emotions from a biological view, as either adaptive responses, or forms of escape.

PHIL 2310

Health Care Ethics ***3 credits (3,0,0)***

This course examines the ethical role of the health care provider within the Canadian health care system. Students critically assess a selection of ethically problematic situations that routinely challenge health care providers. The topical issues considered in this course include the relationship among health care providers; care of the elderly; genetic counselling; resource allocation; care of those diagnosed mentally ill; and the ethics of transplantation. These issues are taken up in light of our exploration of moral theory, common ethical principles, and methodologies arising from interdisciplinary bioethics.

PHIL 2380

Philosophy and Pop Culture ***3 credits (3,0,0)***

Students critically examine various aspects in ethics, metaphysics, epistemology and sociopolitical philosophy using popular cultural elements, including film, television, books, and comics.

Prerequisite: 2nd year standing

PHIL 2390

Philosophy of Rock Music ***3 credits (3,0,0)***

Students explore issues in the philosophy of art through the medium of rock music. Rock music is discussed from the standpoints of aesthetics, philosophy, sociology and musicology. Students consider the social and artistic value of rock music, the distinctive features of rock music, and the history of rock music.

Recommended: Second-year standing

PHIL 2400

Understanding Scientific Reasoning ***3 credits (2,1,0)***

This course is a philosophical introduction to evaluating hypotheses, scientific reasoning, and experimental tests. Students consider theoretical hypotheses, statistical and causal hypotheses, the nature of decisions, and the value of scientific reasoning for everyday life.

Recommended: 2nd year standing recommended

PHIL 3010

Ethics ***3 credits (3,0,0)***

Continuing from PHIL 2010 and PHIL 2210, this course is the advanced study of moral theory. Presented for analysis are meta-ethical theories concerning why we are moral beings, and several theories about how we decide what is right and wrong. In deciding good from bad, a number of theories have been established, all of which have something worthwhile to offer. Students investigate theories and philosophers which may include Mill, Kant, contractarianism, feminist ethics of care, relativism, and Aristotelian virtue ethics.

Prerequisite: At least one of : PHIL 1020 and PHIL 2210, PHIL 2210 and 3rd or 4th year standing in the BA program or 3rd or 4th year standing in the BA program or permission of the instructor.

PHIL 3100

Ancient Philosophy ***3 credits (3,0,0)***

Students critically examine one or more of the most important philosophers of the Western ancient world, including Plato and Aristotle, as well as Epicureanism and Stoicism.

Prerequisite: At least one of: PHIL 1010, PHIL 1020, PHIL 1100, PHIL 2100 and 3rd or 4th year standing in the BA program, or permission of the instructor.

PHIL 3140

The Rationalists ***3 credits (3,0,0)***

This course encompasses the development of Continental European philosophy during the 17th century. Students focus on the writings of Descartes, Spinoza and Leibniz, and the influence of religion and science on the philosophical thought of the period.

Prerequisite: At least one of: PHIL 1010, PHIL 1020, PHIL 1100 and 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 3150

The Empiricists ***3 credits (3,0,0)***

Students explore British philosophy in the 17th and 18th centuries, with an emphasis on the writings of Locke, Berkeley and Hume.

Prerequisite: At least one of : PHIL 1010, PHIL 1020, PHIL 1100 and 3rd or 4th year standing in the BA program or permission of the instructor.

PHIL 3160

Modern European Philosophy ***3 credits (3,0,0)***

Students examine many of the significant and formative ideas in nineteenth and twentieth century European philosophy. Areas of emphasis change from year to year and may include existentialism, phenomenology, Marxism, psychoanalysis, critical theory, deconstruction, and post-modernism. Authors studied may include Kierkegaard, Nietzsche, Heidegger, L'eacute;vi-Strauss, Sartre, Lacan, Levinas, Adorno, Marcuse, Gadamer, Habermas, Foucault, Althusser, Deleuze, Derrida, Baudrillard, and Lyotard.

Prerequisite: Any one of: PHIL 1010, PHIL 1020, PHIL 1100 and 3rd or 4th year standing in the BA program or permission of the instructor.

PHIL 3170

Topics in Continental Philosophy ***3 credits (3,0,0)***

This course provides an in-depth study of a major philosopher, school, or work within the Continental tradition, and serves to complement PHIL 3160: Modern European Philosophy. Topics change from year to year, and typically include thinkers such as Simone de Beauvoir, Luce Irigaray, G.W.F. Hegel, Martin Heidegger, Michel Foucault and Gilles Deleuze. The related schools and tendencies would include structuralism, deconstruction, feminism, the Frankfurt School and Phenomenology.

Prerequisite: Any one of: PHIL 1010, PHIL 1020, PHIL 1100 and 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 3210

Feminist Philosophy ***3 credits (3,0,0)***

A wide range of feminist philosophical thought is examined in this course. Students discuss the feminist approach to philosophical questions, which can differ dramatically from the traditional philosophical approach. Topics may include gender role socialization, sex, gender equality, work and pay, radical feminism, maternal thinking, historical feminist movements, pornography, care, 3rd-wave feminism, mainstreaming pornography, and men's role in feminism.

Prerequisite: 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 3220

Logic ***3 credits (3,0,0)***

Continuing from PHIL 2220, students focus on a system of deduction for predicate logic. Students consider the relation between artificial and natural language, completeness, incompleteness and decidability, and the philosophical problems that arise from the study of reasoning.

Prerequisite: 3rd or 4th year standing in the BA program or permission of the instructor.

Recommended: PHIL 2220 strongly recommended.

PHIL 3300

Moral & Political Philosophy ***3 credits (3,0,0)***

Continuing from PHIL 2010 and PHIL 2210, students focus on rights and duties, political philosophy, and theories of legal and political obligation. Legal reasoning as it applies to society and the state captures another axis of analysis in this course. Topics may include seminal decisions by the Supreme Court of Canada; punishment; deterrence versus retributivism; justification of law making; majority rule versus minority rights; and human rights.

Prerequisite: 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 3390

Philosophy of Art ***3 credits (3,0,0)***

Students focus on the arts and their relation to society. Topics may include art and perception, art and reality, imagination, expression, censorship, and the role of art in human life.
Prerequisite: 3rd or 4th year standing the BA program, or written permission of the instructor

PHIL 3490
Philosophy of Religion *3 credits (3,0,0)*
This course looks at religious issues from a philosophical perspective. Is there life after death, and what difference does it make whether or not there is one? What reasons can be found for believing (or not believing) that there is a God? Is the existence of God compatible with the existence of evil in the world? What is the relation of faith to knowledge? Are mystical experiences a source of knowledge about the divine? The purpose of the course is not to answer these questions, but to critically assess the arguments put forward in trying to answer them.
Prerequisite: 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 3500
Metaphysics *3 credits (3,0,0)*
Continuing from PHIL 2150, this course is the study of the nature of physical reality, substance, primary and secondary qualities, identity over time, change, causation, free will, and time.
Prerequisite: One of PHIL 2140, PHIL 2150 and 3rd or 4th year standing in the BA program or permission of the instructor.
Exclusion: PHIL 1010. Students who have taken PHIL 3400 may not receive credit for PHIL 3500

PHIL 3600
Epistemology *3 credits (3,0,0)*
This course provides and in-depth philosophical study of knowledge. Students explore contemporary thoeries of knowldge and justification, and investigate the prospects of mainstream theories against the challenges and alternatives. Topics include the evolution of knowledge; feminist challenges to mainstream theories of knowledge; First Nations approaches to knowledge, the politices of credibility; knowledge and injustice, and the role of bias, emotion, and memory in knowledge.
Prerequisite: PHIL 2140 or PHIL 2150 and 3rd or 4th year standing in the BA program, or permission of the instructor

PHIL 3750
Philosophy and Literature *3 credits (3,0,0)*
Students examine themes that are common to literature and philosophy in order to explore philosophical questions and problems. The topics and areas of emphasis change from year to year.
Prerequisite: 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 4100
Topics in Ancient Philosophy *3 credits (3,0,0)*
This course is to be a detailed study of a figure, school, or theme that is important to the understanding of Ancient Philosophy. The material of this course varies from one offering to the next, and includes topics not covered in other courses devoted to the ancient period. Topics may include "The Influence of Aristotle", "The Stoics", and "The Problem of Non-Being in Ancient Philosophy."
Prerequisite: PHIL 2100 and 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 4160
Topics in Nineteenth-Century Philosophy
3 credits (3,0,0)
This course offers an intensive study of Kant; a major nineteenth century philosopher such as Hegel, Mill or Nietzsche; or of a school of thought, such as German idealism. Topics vary from year to year.
Prerequisite: One of: PHIL 1010, PHIL 1020, PHIL 1100 and 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 4180
Topics in Twentieth-Century Philosophy *3 credits (3,0,0)*
This course offers an intensive study of a major twentieth-century philosopher, such as Husserl, Russell, Wittgenstein, Heidegger, Sartre, or Foucault; or of a school such as phenomenology, logical positivism, or structuralism.
Prerequisite: One of: PHIL 1010, PHIL 1020, PHIL 1100 and 3rd or 4th year standing in the BA program or permission of the instructor.

PHIL 4190
Philosophy of History *3 credits (3,0,0)*
This course studies the major philosophical theories of history, from Kant to the present day. Students consider historical progress, freedom and determinism, the role of the individual in history, the problem of understanding past events, the role of social structures, and using history to critique the present.
Prerequisite: 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 4300
Philosophy of Law *3 credits (3,0,0)*
This course includes various topics in law from the basic 'What is law?' to specific issues in law, such as 'What are rights?' Of primary importance to the philosophy of law are the relations between legal rules and the rules of ethics and custom; the difference between law and mere coercion; the social and ethical foundation of law and legitimacy; the limits of law and the state; citizens' rights against the state and one another; and the norms of our legal system.
Prerequisite: 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 4330
Biomedical Ethics *3 credits (3,0,0)*
Students investigate various ethical issues related to the health sciences, especially in medicine, and consider these issues concretely and in relation to general ethical theory. The topics discussed in this course include abortion, death and euthanasia, genetic engineering, behaviour modification, treatment of the insane, right to treatment, experimentation on human beings and animals, and the relationship between professionals and their patients, subjects or clients. A background in philosophy is not required.
Prerequisite: 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 4350
Environmental Ethics *3 credits (3,0,0)*
This course offers a study of moral issues arising in the context of human relationships to nature and to non-human living things. Principal topics include the issue of what constitutes moral standing, animal rights, obligations to future generations, the moral dimensions of problems of pollution, the extraction, production and use of hazardous materials, the depletion of natural resources, and the treatment of non-living things.
Prerequisite: 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 4390
Philosophy of Sex and Love *3 credits (3,0,0)*
Students philosophically examine the factors involved in human romantic relationships; sex and love are analysed both together and separately. In such a dynamic and complicated field of study it is necessary to focus on some guiding topics such as, but not limited to, the nature of love, why we couple, polygamy, marriage, prostitution, perversion, and pornography. Students approach these topics from an ontological, social and moral perspective.
Prerequisite: 3rd or 4th year standing in the BA program, or permission of the instructor

PHIL 4400
Philosophy of Science *3 credits (3,0,0)*
Students investigate philosophical questions central to all sciences. These questions include the nature of scientific knowledge and laws; hypotheses and explanation; principles, theories, and models; the difference between science and pseudoscience; and why science is so successful.
Prerequisite: 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 4510
Persons, Minds and Bodies *3 credits (3,0,0)*
Students explore consciousness and its relation to the body; personal identity and survival; knowledge of other minds; and psychological events and behaviour.
Prerequisite: One of: PHIL 2140, PHIL 2150 and 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 4910
Selected Topics in Philosophy *3 credits (3,0,0)*
This course offers a focussed and detailed study of a specific topic or movement in philosophy, or a particular philosopher. The focus of the course changes from year to year, and the course topic subtitle is updated at each offering. A student may take this course twice providing the topic of study is different.
Prerequisite: At least 3 lower level credits in Philosophy, and 3rd or 4th year standing in the BA program or permission of the instructor

PHIL 4920

Select Topics in Ethics ***3 credits (3,0,0)***

This course is an in-depth critical investigation of a particular ethical issue (such as abortion, capital punishment, or war), a particular ethical school (such as Deontology, Virtue Ethics, Utilitarianism) or a particular ethicist (such as Sedgwick, J.S. Mill, Feinberg). Topics may change from year to year.

Prerequisite: 3rd or 4th year standing.

PHYS 1010

Physics for Future Leaders ***3 credits (3,0,0)***

Students explore key concepts in physics, focusing on understanding rather than mathematics. Physics is introduced in the context of current events. Topics vary but may include terrorism and explosions, energy and the environment, earthquakes and tsunamis, radioactivity and medicine, satellites and gravity. Additional topics are discussed according to student interest and may include quantum physics and teleportation, relativity, and cosmology.

Prerequisite: No prior physics or math required. Open to all students. English as a second language students must have completed ESL Level 3 or higher.

PHYS 1020

Energy: Physical, Environmental and Social Impact

3 credits (3,0,0)

Our use of energy affects everything from human health to the global climate. The objective of this course is to provide students with a qualitative understanding of the physical concepts surrounding the production, the storage, the conversion, and the consumption of various forms of energy in our modern society. As in PHYS 1010: Physics for Future Leaders, there is an emphasis on the understanding of the physical concepts rather than the mathematics. Topics include energy consumption, the Hubbert model, thermodynamics, environmental effects of fossil-fuels, climate change and human activity, the greenhouse effect, production of electricity, nuclear power and nuclear waste, renewable and green energy sources, fuel cells, and transportation issues.

Prerequisite: No prior physics or math required. Open to students in all degree programs.

English as a second language students must have completed ESL level 3 or higher.

PHYS 1100

Fundamentals of Physics 1 (L) ***3 credits (3,0,3)***

This is a survey course intended for students with some secondary school physics background. Students examine topics in mechanics, fluid mechanics, waves, and heat.

Prerequisite: Pre-Calculus 12 or MATH 0610 or equivalent, Physics 11 or PHYS 1130 or equivalent.

Corequisite: MATH 1130 or 1140 or 1150.

PHYS 1130

Introductory Physics 1(L) ***3 credits (3,0,3)***

This course is an introductory-level survey for students with little or no background in Physics. Topics covered are mechanics, vibration, heat, optics, and fluids.

Note: PHYS 1130 can be taken to partially fulfill the science requirements in the Bachelor of Arts Program

Prerequisite: Principles of Math 11 or MATH 0510 or equivalent PHYS 0500

PHYS 1150

Mechanics and Waves (L) ***3 credits (3,0,3)***

This course is intended for students with a good secondary school background in physics. Calculus will be introduced and used in the course. Topics covered include a short review of mechanics, simple harmonic motion, mechanical waves, sound, wave optics and geometric optics. This course is similar to EPHY 1150.

Prerequisite: Principles of Mathematics 12 or MATH 0610 or MATH 1000, Physics 12 or PHYS 0500 and PHYS 0600

Corequisite: MATH 1130 or MATH 1140

Recommended: PHYS 1150 recommended for students planning to major in physics or chemistry and is strongly recommended for students planning to transfer into Engineering after a year of Science. PHYS 1250 recommended for students planning to major in physics or chemistry and is strongly recommended for students planning to transfer into Engineering after a year of Science.

PHYS 1200

Fundamentals of Physics 2 (L) ***3 credits (3,0,3)***

This course is a continuation of PHYS 1100: Fundamentals of Physics 1. Topics include electricity and magnetism, optics, and selected topics from nuclear and modern physics.

Prerequisite: PHYS 1100, MATH 1130 or MATH 1140 or MATH 1150

Corequisite: MATH 1230 or MATH 1240 or MATH 1250

PHYS 1250

Thermodynamics, Electricity and Magnetism (L)

3 credits (3,0,3)

This course is a continuation of PHYS 1150: Mechanics and Waves. Topics include thermodynamics, kinetic theory of gases, electricity and magnetism. This course is similar to EPHY 1250.

Prerequisite: PHYS 1150, MATH 1130 or MATH 1140

Corequisite: MATH 1230 or MATH 1240

Exclusion: Students may only receive credit for one of EPHY 1250 or PHYS 1250.

PHYS 1510

Applied Physics 1 (L) ***3 credits (3,0,2)***

Students are given a basic introduction to the following concepts: linear and circular motion, force, friction, equilibrium, energy, momentum, simple machines, pin-jointed structures, and DC circuit analysis. Students develop an understanding of how these ideas are used in the design of structures.

Required Lab: PHYS 1510L

Prerequisite: Admission to the Architectural and Engineering Technology Program.

PHYS 1580

Physics for Respiratory Therapists (L) ***3 credits (3,0,3)***

Students explore the basic physical concepts of fluid mechanics, the properties of fluids, and applied electricity. An emphasis is placed on laboratory work, particularly in the use of electrical and electronic measuring devices.

Prerequisite: Admission to year one of the Respiratory Therapy Diploma program.

PHYS 1610

Applied Physics 2 (L) ***3 credits (3,0,2)***

Continuing from PHYS 1510: Applied Physics 1, the following topics are discussed: strength of materials, fluid statics and dynamics, thermal energy and heat transfer, vibrations and wave motion, and optics. This course furthers the understanding of physical properties and their influence on design.

Required Lab: PHYS 1610L

Prerequisite: Admission to the Architectural and Engineering Technology Program.

PHYS 2000

Relativity and Quanta ***3 credits (3,1,0)***

Students are introduced to special relativity and quantum physics. Topics include Lorentz transformations, dynamics and conservation laws, the experimental evidence for quantization, and a qualitative discussion of the concepts of quantum mechanics and their application to simple systems of atoms and nuclei.

Prerequisite: PHYS 1100 and PHYS 1200 or PHYS 1150 and PHYS 1250, MATH 1130 and MATH 1230 or MATH 1140 and MATH 1240 or MATH 1150 and MATH 1250

Exclusion: This course is equivalent to CHEM 2000. Credit will not be given for both CHEM 2000 and PHYS 2000

PHYS 2150

Circuit Analysis (L) ***3 credits (3,1,3)***

This course is an analysis of linear electrical circuits, network theorems, first and second order circuits, and transfer functions.

Required Lab: PHYS 2150L

Prerequisite: PHYS 1100 and with written permission of the Instructor PHYS 1200 orwith written permission of the Instructor PHYS 1150 and PHYS 1250, MATH 1130 and MATH 1230 or MATH 1140 and MATH 1240 or MATH 1150 and with written permission of the Instruc

PHYS 2200

Mechanics ***3 credits (4,0,0)***

This is an intermediate-level course on Newtonian mechanics. Topics include the statics of particles and rigid bodies, friction, moments of inertia and distributed forces, dynamics of particles in inertial and non-inertial frames of reference, systems of particles, kinetics and dynamics of rigid bodies, rotational motion, and simple harmonic motion.

Prerequisite: PHYS 1100 and PHYS 1200 or PHYS 1150 and PHYS 1510, MATH 2110

PHYS 2250

Intermediate Electromagnetism (L) ***3 credits (3,0,3)***

This course provides an extension to the topics covered in PHYS 1200/1250 and examines the basic principles of electromagnetism using a sophisticated mathematical approach. Topics include vector algebra, electrostatics, magnetostatics, electric and magnetic fields in matter, as well as an introduction to electrodynamics. Topics are presented and examined using lectures and laboratory experiments.

Required Lab: PHYS 2250L

Prerequisite: PHYS 1100 and PHYS 1200 or PHYS 1150 and PHYS 1250, MATH 1130 and MATH 1230 or MATH 1140 and MATH 1240 or MATH 1150 and with permission of the instructor MATH 1250,with permission of the instructor

PHYS 3080

Optics ***3 credits (3,0,3)***

Students are presented with the basic principles of optics. Topics include geometric optics and wave optics (interference, diffraction, and Fourier optics) as well as polarization and modern applications. Laboratory work involves selected experiments in optics.
Prerequisite: PHYS 2250

PHYS 3090
Analog Electronics (L) ***3 credits (0,2,3)***
In this laboratory course students are introduced to the theory of operation of diodes, bipolar transistors, field-effect transistors, and operational amplifiers. The topics of feedback, gain, input and output impedances, as well as frequency response are also covered. Students learn to design, assemble, and test analog circuits including power supplies, amplifiers, filters, and mixers. The software LabView is used to acquire and analyze experimental data.
Prerequisite: PHYS 2150

PHYS 3100
Digital Electronics (L) ***3 credits (0,2,3)***
This laboratory course introduces students to Boolean algebra and logic gates, combinational and sequential logic circuits, the architecture and programming of a microcontroller, as well as the use of software to create complete measurement systems. Students learn to design, assemble, and test digital logic circuits using discrete components, programmable gate arrays, and microcontrollers.
Prerequisite: PHYS 2150

PHYS 3120
Introduction to Mathematical Physics ***3 credits (3,1,0)***
This course is divided into three parts. Students begin by examining methods for solving ordinary differential equations. Power series methods are applied to obtain solutions near ordinary points and regular singular points, and the real Laplace transform is discussed. Next, students discuss Sturm-Liouville boundary-value problems, Fourier series, and other series of eigenfunctions, including Fourier-Bessel series. Students are then introduced to boundary-value problems involving partial differential equations. Emphasis is placed on the heat equation, the wave equation and Laplace's equation, with applications in Physics. The method of separation of variables is used.
Prerequisite: MATH 2240
Exclusion: This course is the same as MATH 3160. Credit will be only given for one of PHYS 3120 and MATH 3160.

PHYS 3140
Fluids ***3 credits (3,0,0)***
Students are introduced to the key concepts and equations used to describe fluids. Starting with a description of rarefied fluids using kinetic theory, simple gas transport properties are derived. Euler's and Bernoulli's equations are examined under static and steady flow conditions. Students derive and examine the Navier-Stokes equation and the equation of continuity under conditions of, steady flow and one-dimensional approximation. Equations to describe the flow of viscous fluids, flow in pipes, flow over immersed bodies, and open channel flow are also introduced. Finally, students explore properties of water waves such as the dispersion relation, capillary and gravity waves.
Prerequisite: PHYS 2200
Corequisite: MATH 2240

PHYS 3150
Physics of Materials ***3 credits (3,0,0)***
Students explore introductory concepts in the description of solids. Topics include bonding, crystal structure, defects, strength of materials, heat capacity, lattice vibrations and phonons, electrical properties, band theory, and semiconductors.
Prerequisite: PHYS 2000 or CHEM 2000
Corequisite: MATH 2110

PHYS 3160
Classical and Statistical Thermodynamics
3 credits (3,0,0)
Students are introduced to the principles of elementary classical thermodynamics, kinetic theory, and statistical mechanics. These theories are applied to a variety of physical processes and systems, such as ideal and real gases, heat engines, and quantum systems.
Prerequisite: PHYS 1100 and PHYS 1200 or PHYS 1150 and PHYS 1250, MATH 1130 and MATH 1230 or MATH 1140 and MATH 1240, MATH 2110

PHYS 3200
Advanced Mechanics ***3 credits (3,0,0)***
This course offers an extension to the concepts studied in PHYS 2200: Mechanics. Topics include Newtonian mechanics, oscillations, central forces, motion in noninertial frames, Hamilton's principle and Lagrange's equations, systems of particles, and dynamics of rigid bodies.
Prerequisite: PHYS 2200, MATH 2110, MATH 2120, MATH 2240, MATH 3170

PHYS 3250
Advanced Electromagnetism ***3 credits (3,1,0)***
Students develop a working knowledge of electrodynamics, which requires a solid grounding in vector calculus, partial differential equations, and an in-depth understanding of Maxwell's equations. Topics include a review of vector calculus; Laplace's equation; potential theory; electrostatics and magnetostatics in matter; electrodynamics; special relativity; and electromagnetism.
Prerequisite: PHYS 2250, MATH 2240, MATH 3170

PHYS 3300
Biophysics (L) ***3 credits (3,0,3)***
Students apply the basic principles of physics to the actions, body design and physical limitations of animals, mainly vertebrates. Topics include physical concepts of forces, materials structure, fluid mechanics, light and sound, and electricity and magnetism. These topics are applied to biological aspects such as strength of bodies, movement through air and water, and organismal behaviour. This course is offered in the Winter semester of odd-numbered years.
Prerequisite: PHYS 1100 and PHYS 1200 or PHYS 1150 and PHYS 1250, BIOL 1040 or BIOL 1050 or BIOL 1210.
Recommended: (BIOL 1210 preferred)

PHYS 3400
Principles and Applications of Quantum Mechanics 1
3 credits (3,0,0)
Students build on the basic concepts of quantum physics examined in PHYS 2000: Relativity and Quanta, and develop a formulation of quantum mechanics, initially using the wave-mechanical approach, and then formally using the state-vector approach. Finally, this theory is applied to one-electron atoms, and other quantum systems.
Prerequisite: PHYS 2000, MATH 2240, MATH 3170

PHYS 3500
Selected Topics in Physics ***3 credits (3,0,0)***
Students explore current topics in Physics. The course content varies from year to year, and may include topics such as nanotechnology, superconductivity, photonics, semiconductor physics, and optoelectronics.
Prerequisite: Prerequisites will vary from year to year but typically consist of a combination of second-year courses in Physics and Mathematics. Consult the Bachelor of Science Program Advisor for the specific prerequisites for each offering.

PHYS 4140
Radioactivity and Nuclear Physics ***3 credits (3,0,0)***
In this survey course, students study basic concepts of nuclear physics, with applications in power, medicine, geology, industry, archaeology and cosmology.
Prerequisite: PHYS 2000 or CHEM 2000, PHYS 2250 and MATH 2240

PHYS 4400
Principles and Applications of Quantum Mechanics 2
3 credits (3,0,0)
This course is a continuation of PHYS 3400: Principles and Applications of Quantum Mechanics 2. Students start with a review of angular momentum and spin, and the hydrogen atom. Students then examine standard techniques that find wide applications in the study of quantum phenomena. These techniques include the perturbation theories, the variation principle, and the WKB and adiabatic approximations. These are subsequently applied to problems related to the fine structure of hydrogen, the Zeeman effect, molecules, tunnelling, radiation, and scattering.
Prerequisite: PHYS 3400

PHYS 4480
Directed Studies in Physics (L) ***3 credits (3,0,0)***
Students investigate a specific topic involving experimental work as agreed upon by the student and her or his faculty supervisor and co-supervisor. This course provides experience with research techniques and the presentation of results.
Prerequisite: Acceptance into Physics Major; approval of supervisor and co-supervisor.

PHYS 4500
Advanced Physics Laboratory (L) ***3 credits (3,2,3)***
In this course, students work with experimental apparatus over an extended period of time to complete rigorous data analysis and present their findings. Laboratory work provides opportunities in several areas of physics including condensed matter physics, optics, signal conditioning, astronomy and image processing, nuclear physics, and acoustics. Students use sophisticated equipment such as a transmission electron microscope, scanning electron microscope, thin film evaporator, and low temperature cryostats.
Prerequisite: PHYS 3080 or PHYS 3090 and PHYS 3100

PLTE 1000

Power Line Technician-Level 1
Power Line Technician Level 1 "Apprenticeship" is an ITA accredited Red Seal program. This course is the first of three that must be taken to complete the program. Topics include: safe work practices; climbing; policy and regulations; tools and instruments; electrical theory; equipment; rigging; overhead and underground distribution; and communication in the workplace.
Prerequisite: Recommended Education - Grade 12 or equivalent including English 12, Mathematics 11 and Physics 11. Registered apprentice with the ITA

PLTE 2000
Power Line Technician-Level 2
Power Line Technician Level 2 "Apprenticeship" is an ITA accredited Red Seal Program. This course is the second of three that must be taken to complete the program. Topics include: tools and instruments; electrical theory; equipment; rigging; overhead and underground distribution; and communication in the workplace.
Prerequisite: Registered apprentice with the ITA; completion of Power Line Technician Level 1

PLTE 3000
Power Line Technician-Level 3
Power Line Technician Level 3 "Apprenticeship" is an ITA accredited Red Seal program. This course is the third of three that must be taken to complete the program. Topics include: electrical theory; equipment; rigging and live line transmission; overhead and underground distribution; and transmission.
Prerequisite: Registered apprentice with the ITA; completion of Power Line Technician Level 2

PLUM 1000
Plumbing Apprentice Level 1
Students are introduced to theory and gain hands-on lab experience in the following topics: safe work practices, proper use of tools and equipment, organizing work, and preparing and assembling plumbing components.

PLUM 1010
Trade Entry Plumbing - Foundation
Students are introduced to theory and gain hands-on lab experience in the following topics: safe work practices, proper use of tools and equipment, organizing work, and preparing and assembling plumbing components.

PLUM 2000
Plumbing Apprentice Level 2
Students are introduced to theory and gain hands-on lab experience in the following topics: using measuring and leveling tools, reading drawings and specifications, installing sanitary and storm drainage systems, installing fixtures and appliances, installing hydronic heating and cooling, and installing specialized medical gas and compressed air systems.

PLUM 3000
Plumbing Apprentice Level 3
Students are introduced to theory and gain hands-on lab experience in the following topics: reading drawings and specifications, installing water services and distribution, installing fixtures and appliances, installing fire protection systems, and installing natural gas and propane systems.

PLUM 4000
Plumbing Apprentice Level 4
Students are introduced to theory and gain hands-on lab experience in the following topics: planning a project, installing sanitary and storm drainage systems, installing private sewage systems, installing potable water distribution systems, maintaining and repairing hydronic systems, installing irrigation systems, installing venting and air supplies, installing service controls and safeguards, and using gas codes, regulations, and standards.

PNUR 1300
Introduction to Anatomy and Physiology
3 credits (48 hours)
This course provides an overview of the structure and function of ten body systems, and encourages various health promotion strategies that work towards optimum functioning of these systems.
Prerequisite: Biology 12 (C minimum) or BIOL 0600 with a C minimum

PNUR 1420
Professional Practice 1 *2 credits (2,0,0)*
This theory course provides an introduction to the profession of practical nursing. Legislation that informs PN practice within British Columbia will be introduced. The history of nursing and specifically, the evolution of Practical Nursing within the Canadian Health Care system will be discussed. The philosophy and foundational concepts of this PN Program curriculum are explored.
Prerequisite: Admission to the Practical Nursing Program

PNUR 1430
Professional Practice 2 *2 credits (2,0,0)*
This course examines the legislation influencing practical nursing practice with clients experiencing chronic illness and those in residential care settings. Specific professional issues such as responsibility, accountability, ethical practice and leadership relevant to the practical nursing role in residential care are explored. Critical thinking and decision making specific to the care of clients with chronic health challenges and inter-professional practice is also addressed.
Prerequisite: PNUR 1570

PNUR 1520
Integrated Nursing Practice 1 *3 credits (3,0,7)*
This course emphasizes the art and science of nursing, focusing on the development of basic nursing care and assessment. Learners apply nursing knowledge through the practice of clinical decision making, nursing assessment skills, and nursing interventions aimed at the promotion of health, independence, and comfort. A variety of approaches (such as simulation) is used to assist learners to integrate theory from other Semester I courses.
Prerequisite: Admission to the Practical Nurse Program

PNUR 1530
Integrated Nursing Practice 2 *4 credits (4,0,10)*
This practical course builds on the foundation of Semester 1 and emphasizes the development of clinical decision making, nursing assessments and interventions to promote the health of older adults. Classroom, laboratory, simulation, and other practice experiences enable students to integrate theory from Semester 1 and 2 courses, and to provide safe, competent and ethical nursing care for older adults.
Prerequisite: PNUR 1570

PNUR 1570
Consolidated Practice Experience 1 *3 credits (0,0,6)*
This first clinical experience provides learners with an opportunity to integrate theory from level one coursework into practice. Students work in various settings with a focus on the healthy client. The role of a practical nurse, personal care skills, organization of care, focused assessment, beginning medication administration and professional communication are emphasized in this course.
Pre-requisite: PNUR 1600, PNUR 1420, PNUR 1700, PNUR 1750, PNUR 1800, PNUR 1520 Requirements: Current CPR certificate (basic life support C); a recent negative TB skin test report (if tested positive a satisfactory chest x-ray); current up to date immun

PNUR 1580
Consolidated Practice Experience 2 *3 credits (0,0,6)*
This clinical experience provides students with the opportunity to integrate theory from Semester 1 and 2 courses into practice. Students work with older adult clients with chronic illness in residential care settings. Medication administration, nursing care, organization, comprehensive health assessment, wound care and leadership are emphasized in this course.
Prerequisite: PNUR 1760, PNUR 1530, PNUR 1610 PNUR 1710 PNUR 1810

PNUR 1600
Professional Communications 1 *3 credits (3,0,0)*
This course provides learners with the foundational knowledge for caring and professional communication in nursing. An experiential and self-reflective approach is used to develop self-awareness and interpersonal communication skills in the context of safe, competent and collaborative nursing practice. Communication theory, the nurse-client relationship, therapeutic communication, cross-cultural communication, effective teamwork and learning and teaching concepts are covered.
Prerequisite: Admission to the Practical Nursing Program.

PNUR 1610
Professional Communications 2 *2 credits (2,0,0)*
This course provides learners with an opportunity to polish their professional communication with older adults, including skills required for end of life care. Interprofessional communication skills are also further developed.
Prerequisite: PNUR 1570

PNUR 1700
Variations in Health 1 *3 credits (3,0,0)*
This introductory course provides the learner with the foundations of disease and illness across the lifespan. Learners gain an understanding of pathophysiological alterations of body systems. Nursing management of disease and illness across the lifespan with an

emphasis on interventions and treatment is also discussed. Cultural diversity in healing practices is explored, as well as the incorporation of evidence-informed practice.
Prerequisite: Admission to the Practical Nursing Program.

PNUR 1710
Variations in Health 2 ***3 credits (3,0,0)***
This course focuses on pathophysiology as it relates to the ageing process and selected chronic illnesses. Students focus on the care of older adults who are experiencing health challenges. Cultural diversity in healing practices is explored as well as evidence-informed research and practice.
Prerequisite: PNUR 1570

PNUR 1750
Health Promotion 1 ***2 credits (2,0,0)***
This introductory course increases the learner's understanding of health promotion within the Canadian context. Topics in this course include health enhancement, health protection, disease prevention, health restoration/recovery, and care and support. Knowledge of growth and development, health inequities and determinants of health enable the Practical Nurse to provide culturally appropriate and holistic care.
Prerequisite: Admission to Practical Nurse Program

PNUR 1760
Health Promotion 2 ***2 credits (2,0,0)***
This course focuses on health promotion as it relates to the aging process. Health promotion activities are aimed at supporting clients in maintaining their health. The concepts of health promotion, physical and mental wellness, and continued independence are examined.
Prerequisite: PNUR 1570

PNUR 1800
Pharmacology 1 ***2 credits (2,0,0)***
This introductory course examines the principles of pharmacology required to administer medications in a safe and professional manner. Medication administration requires the application of the nursing process for clinical decision-making. The routes of medication administration introduced in this course include medications used to treat constipation, eye and ear disorders and the integumentary system. Complementary, indigenous and alternative remedies, and polypharmacy across the lifespan are explored.
Prerequisite: Admission to the Practical Nursing Program

PNUR 1810
Pharmacology 2 ***2 credits (2,0,0)***
Learners increase their understanding of pharmacology and medication administration across the lifespan. Medications used to treat diseases related to specific body systems are the main focus of the course. The topics of substance abuse and addiction are also included.
Prerequisite: PNUR 1570

PNUR 2420
Professional Practice 3 ***2 credits (2,0,0)***
This course integrates the concepts from previous professional practice courses and introduces the learner to practice in the community (maternal/child and mental health). The role of the practical nurse as leader is emphasized in interactions with clients, families, groups and other health care providers.
Prerequisite: PNUR 1580

PNUR 2430
Professional Practice 4 ***2 credits (2,0,0)***
This course is intended to prepare the learner for the role of the practical nurse in caring for clients with acute presentation of illness. Learners examine legislation, professional practice issues and ethical practice pertinent to practical nursing professionals in acute care environments. They also consider practice issues that occur across the client lifespan. Collaborative practice with other health care team members and specifically the working partnership with registered nurses in the acute care setting are explored.
Prerequisite: PNUR 2570

PNUR 2520
Integrated Nursing Practice 3 ***3 credits (3,0,6)***
This practical course builds on the theory and practice from Semester 1 and 2. Through a variety of approaches (simulation, for example), learners continue to develop their knowledge, and practice comprehensive nursing assessment, planning for, and interventions for clients experiencing multiple health challenges.
Prerequisite: PNUR 2570

PNUR 2530
Integrated Nursing Practice 4 ***4 credits (4,0,10)***
This practical course emphasizes the development of nursing skills aimed at promoting health and healing with individuals experiencing acute health challenges across the lifespan. Classroom, laboratory, simulation, and integrated practice experiences enable learners to build on theory and practice from Semester 1, 2 and 3, and to integrate new knowledge and skills relevant to the acute care setting.
Prerequisite: PNUR 2750

PNUR 2560
Transition to Preceptorship ***2 credits (2,0,0)***
Transition to preceptorship prepares students for their final practice experience. A combination of instructor-led simulation experiences and self-directed learning increases learner competence and confidence to practice in their chosen area for preceptorship (i.e. medical, surgical, complex care).
Prerequisite: PNUR 2580

PNUR 2570
Consolidated Practice Experience 3 ***3 credits (0,0,4)***
This practice experience course introduces learners to community care settings and provides an opportunity to apply and adapt knowledge gained in Semesters 1, 2, and 3, within a continuum of care for clients across the lifespan. Learners gain experience through simulation, and by working in a variety of community and residential care agencies and settings.
Prerequisite: PNUR 2600, PNUR 2750, PNUR 2520, PNUR 2700,

PNUR 2580
Consolidated Practice Experience 4 ***4 credits (13 Practical)***
This practice experience provides learners with the opportunity to integrate theory from all courses into the role of the practical nurse in the acute care setting and other practice areas as appropriate. Learners focus on clients with exacerbations of chronic illness and/or acute illness across the lifespan and consolidate knowledge and skills such as post-operative care, surgical wound management, intravenous therapy, focused assessment, and clinical decision-making in acute care settings.
Prerequisite: PNUR 2760, PNUR 2530, PNUR 2610, PNUR 2430, PNUR 2710

PNUR 2590
Preceptorship ***4 credits (0,0,12)***
This final practice experience provides an opportunity for learners to demonstrate integration and consolidation of knowledge, skills and abilities within the workplace and to become practice ready. The final practice experience follows a preceptorship model, and is individualized, anpsyd faculty monitored. The supervisor may be an experienced Licenced Practical Nurse (LPN), or in some cases, a Registered Nurse (RN) or Registered Psychiatric Nurse (RPN), with knowledge of the LPN scope of practice.
Prerequisite: PNUR 2580 and PNUR 2560

PNUR 2600
Professional Communications 3 ***2 credits (2,0,0)***
This course focuses on specific professional communication skills used with clients across the lifespan who have mental illness or developmental disabilities. In addition, communication with children is addressed.
Prerequisite: PNUR 1580

PNUR 2610
Professional Communications 4 ***2 credits (2,0,0)***
The focus of this course is on the advancement of professional communication within the acute care setting across the lifespan. The practice of collaboration with health care team members and clients is further developed.
Prerequisite: PNUR 2570

PNUR 2700
Variations in Health 3 ***3 credits (4,0,0)***
This course focuses on the continuum of care and the development of knowledge related to health challenges managed in the community setting. Pathophysiology and nursing care of clients requiring home health care, rehabilitation, and supportive services in the community will be explored. Cultural diversity in healing approaches will be explored as well as the incorporation of evidence informed research and practice.
Prerequisite: PNUR 1580

PNUR 2710
Variations in Health 4 ***3 credits (4,0,0)***
This course focuses on pathophysiology as it relates to acute disease and illness across the lifespan. Care of the client experiencing acute illness is emphasized, including nursing interventions and treatment options. Implications of the acute exacerbation of chronic illness are addressed. Students explore cultural diversity in healing practices, and conduct evidence-informed research and practice.
Prerequisite: PNUR 2570

PNUR 2750

Health Promotion 3 ***3 credits (3,0,0)***
This course focuses on health promotion as it relates to the continuum of care across the lifespan. Health promotion in the context of mental illness, physical and developmental disabilities, and maternal /child health is highlighted. Normal growth and development from conception to middle adulthood is addressed.
Prerequisite: PNUR 1580

PNUR 2760
Health Promotion 4 ***2 credits (2,0,0)***
This course emphasizes health promotion for the client experiencing an acute exacerbation of chronic illness or an acute episode of illness. Relevant health promoting strategies during hospitalization may improve or help maintain a client's health status after discharge. Learners focus on preparing clients for discharge, through teaching and learning health promotion strategies.
Prerequisite: PNUR 2570

POLI 1110
The Government and Politics of Canada ***3 credits (3,0,0)***
Students are introduced to the main processes, structures and institutions of Canadian politics and government, including the Constitution, social cleavages, the Prime Minister and cabinet, parliament, political parties and ideologies, federalism and the structure of power.

POLI 1210
Contemporary Ideologies ***3 credits (3,0,0)***
This course provides an examination of the major systems of political ideas which have shaped the modern world, including liberalism, conservatism, socialism, communism, anarchism, fascism and nationalism. Students analyze these ideologies from the perspective of their historical and philosophical antecedents, contemporary relevance, and place in the Canadian political experience.

POLI 2140
Resistance & Revolution ***3 credits (3,0,0)***
The purpose of this course is to provide an introduction to the discipline of political science by intensively studying one political phenomenon: the revolution. The course begins with a discussion of the nature of social scientific inquiry, and proceeds to an examination of the characteristics of revolutions, and various theories which attempt to explain their occurrence.
Prerequisite: 2nd year standing

POLI 2150
Comparative Politics ***3 credits (3,0,0)***
This course is designed to furnish students with the tools and concepts of political analysis related to the functioning of several political systems. The selection of political systems to be studied may vary from year to year.
Prerequisite: 2nd year standing

POLI 2220
Political Philosophy ***3 credits (3,0,0)***
Students examine important themes of the western political tradition through an analysis of selected political philosophers, such as Plato, More, Machiavelli, Locke, Rousseau and Marx. The encounter with these theorists initiates discussion of such concepts as authority, justice, freedom, equality and political participation.
Prerequisite: 2nd year standing

POLI 2230
Canadian Government 2: Public Administration and Public Policy
3 credits (3,0,0)
Students focus on the structure of government and the output side of the political system. Topics include the analysis of the structure of government in Canada, the executive, the evolution of policy-making structures and styles, the contemporary policy-making process, and the Canadian bureaucracy.
Prerequisite: POLI 1110

POLI 2250
Law and Politics ***3 credits (3,0,0)***
This course offers an introduction to law, politics and the judiciary, with particular emphasis on the role of the judiciary in relation to selected issues in political science. The principal focus in this course is on the Canadian legal system, and comparison to other legal systems.
Prerequisite: 2nd year standing

POLI 2600
International Politics ***3 credits (3,0,0)***
This course is an analysis of the relations between states. Topics discussed in this course may include the evolution of international systems, East-West and North-South issues, the techniques of wielding international influence (through diplomacy, propaganda, foreign aid, subversion, and war), and the sources and nature of international conflict and cooperation.
Prerequisite: 2nd year standing or Instructor's written consent

POLI 3010
Canadian Political Parties ***3 credits (3,0,0)***
Students examine the organization and operation of party politics, and the systems of party competition in Canada. National-level politics are emphasized.

POLI 3030
Federalism in Canada ***3 credits (3,0,0)***
Students examine the theory and practice of federalism, including cultural duality, social stresses, problems of flexibility, the Constitution, and the role of the courts.

POLI 3050
Canadian Political Ideas ***3 credits (3,0,0)***
Students examine the political theories and ideologies in Canada, and analyze key Canadian political writers and the impact of ideas on political issues.

POLI 3060
Quebec: History & Politics ***3 credits (3,0,0)***
Students examine the history and political developments of Quebec from the period of the French regime to modern French-English relations within Canada. Significant social and political developments in the modern period are emphasized, such as the Rebellions of 1837-38, the emergence of the "state of siege" mentality after 1840, the impact of industrialization and Confederation, the Quiet Revolution, and nationalism. Contemporary issues to be addressed include recent debates over 'reasonable accommodation', national identity, and the relationship between Quebec and Canada.
Prerequisite: A minimum of 6 credits in recognized lower-level history courses or POLI 1110 and A political science course other than POLI 1110

POLI 3070
The European Orient: Balkans, Russia and Eastern Europe
3/6 credits (3,0,0) or (3,0,0)(3,0,0)
In this course, participants follow a specialized survey of the cultures shaping Central and Eastern Europe including Russia. Topics include the interplay between peasant and national culture, and between ethnic and political identity.
Prerequisite: ANTH 1210 or SOCI 1110 and SOCI 1210 or POLI 1210
Exclusion: This course is equivalent to ANTH 3030.
Note: Different cultural areas or regions may be selected in subsequent offerings of the course.

POLI 3100
Local Government in Canada ***3 credits (3,0,0)***
This course is an introduction to local government in Canada and the contemporary issues facing municipalities. The themes discussed in this course include local government powers and responsibilities, community planning, fiscal and investment issues, and elections and community participation.
Recommended: POLI 1110

POLI 3200
American Government & Politics
3/6 credits (3,0,0) or (3,0,0)(3,0,0)
Students examine the social context of American politics, voting behaviour, legislature process, executive powers, executive-legislative relations, judicial behaviour, and problems of policy.

POLI 3210
Western European Political Thought: From Cicero to Machievelli
3 credits (3,0,0)
Students examine the evolution of European political thought and its practical applications from Ancient Rome to the Renaissance. This course includes an exploration of the major foundational theories and their influence on the creation of institutional structures, and the governmental apparatuses and ideologies designed to uphold them.
Prerequisite: POLI 1210
Recommended: POLI 2220 or HIST 1160 or HIST 2180 or HIST 2280
Exclusion: This course is equivalent to HIST 3210

POLI 3420
Modern Political Theory: Analysis of a Selected Theorist
3 credits (3,0,0)
This course offers a detailed examination of an acknowledged masterpiece of modern political theory. The text and attendant literature selection varies from year to year.

POLI 3440
Social and Political Thought ***3 credits (3,0,0)***
Students examine major concepts in political philosophy such as justice, equality, rights, obligation, and liberty in the context of both classical and contemporary political thought.

POLI 3460
Democratic Theory ***3 credits (3,0,0)***
This course is an examination of both classical and contemporary theories of democracy including representative democratic theory and participatory democratic theory, and their relationship to 20th century concepts of democracy.

POLI 3500
The Politics of Mexico ***3 credits (3,0,0)***
Students examine the contemporary political, social and economic problems that confront Mexico, with an emphasis on democratization, human rights, economic restructuring, free trade, political parties, reformist and revolutionary movements.

POLI 3520
Politics of Developing Nations ***3 credits (3,0,0)***
Students examine the problems of economic development, social change and democratization in the Developing World from a political perspective. The themes discussed in this course include colonialism, decolonization, relations between developed - developing nations, and political theories of development.
Recommended: POLI 1210

POLI 3530
The Concentrationn Camp Global History and Politics
3 credits (3,0,0)
The Concentration Camp is an institution of the Twentieth Century. This course will give an overview of historical precedents for the concentration camp, such as the ghetto, and then will examine the history and politics of the concentration camp, from the Spanish-American and Anglo-Boer Wars near the turn of the century (the first times the term, "concentration camp", was used), to the more notorious examples of Nazi Germany and the Soviet Union. Other examples, such as camps in Canada and the USA, China, parts of Africa, and even the "War on Terror" will be examined in detail. Why have modern states - across the ideological spectrum - made use of the concentration camps against real and preveived enemies?
Exclusion: Same course as HIST 3530

POLI 3610
Canadian Foreign Policy ***3 credits (3,0,0)***
Students are introduced to the study of Canadian foreign policy, and focus on competing perspectives on Canadian foreign policy, the evolution and formation of Canadian foreign policy, and Canada's role in the globe as a middle power.
Prerequisite: 3rd or 4th year standing.
Recommended: POLI 2600

POLI 3640
Politics of the Middle East ***3 credits (3,0,0)***
This course is an introduction to the evolution and operation of Middle East political systems and issues. Students explore a number of major themes and issues that are relevant to the politics of the region specifically, and international relations in general. These issues include Islamism, colonialism, politics of oil, gender and democratization.
Recommended: POLI 1210 or POLI 2600

POLI 3650
Government and Business ***3 credits (3,1,0)***
Students analyze government intervention in the face of mergers, bigness, and monopoly power, and consider possible government intervention in the face of unacceptable firm behaviour.
Prerequisite: ECON 1900 and ECON 1950 or POLI 1110 with a Grade C or better
Exclusion: This course is equivalent to ECON 3650. Students may not receive credit for both ECON 3650 and POLI 3650.
ECON/ POLI 3650 may be used to fulfill the pre-BBA elective requirement or the BBA Environmental requirement, but not both.

POLI 4010
Canadian Provincial and Regional Politics
3 credits (3,0,0)
Students examine political parties, processes, and institutions in the provincial political systems, and the regional arrangement between provinces.
Prerequisite: A course in Canadian Politics

POLI 4020
Politics of the Canadian Constitutions
3 credits (3,0,0)
This seminar examines the creation and amendment of Canadian Constitutions; political aspects of the judicial system; and political consequences of our decisions.
Prerequisite: A course in Canadian Politics

POLI 4030
Field School in East/Central Europe ***6 credits (3,0,0)***
This course offers an introduction to the societies and cultures of East/Central Europe by way of a month-long field trip. The itinerary includes rural and urban locations in several countries that lend themselves to an ethnographic examination of the ethnic relations, religions, economies, and politics shaping the buffer zone between the European East and West.
Exclusion: ANTH 4030 and SOCI 4030 identical course

POLI 4050
Topics in Canadian Politics ***3 credits (3,0,0)***
This seminar course offers an in-depth examination of the important issues in Canadian politics.
Prerequisite: A course in Canadian Politics

POLI 4060
Topics in Latin American Politics ***3 credits (3,0,0)***
Students examine contemporary political, social, and economic problems that confront Latin America. Demilitarization, democratization, human rights, economic restructuring, and free trade are emphasized.
Prerequisite: 3rd year standing or higher

POLI 4110
Humanitarian Intervention: A Canadian Perspective
3 credits (3,0,0)
Students examine a shift in Canada's foreign policy that has taken Canada from being a peacekeeper to a peacemaker. International law, the massacre of civilians, the establishment of an international criminal court, and Canada's role in the "war on terrorism" are among the issues studied.
Prerequisite: 3rd or 4th year standing
Recommended: POLI 2600 or POLI 3610

POLI 4710
Communism and the Environment ***3 credits (3,0,0)***
This course will focus on the history and politics of communism and the environment. As such, it will explore environmental issues and policies in the Soviet Union, China and Cuba. Students will examine other related issues, such as the writings of Marx, Engels, Lenin, and others; ideology, political philosophy and the environment; and the role of communism and socialism in environmental movements, today. Students will also be asked to compare environmental practices in communist countries with those of capitalist countries.
Prerequisite: Third year standing or consent of instructor
Exclusion: Same course as HIST 4710

PPWT 1000
Parts Person and Warehousing Foundations
20 credits ***(600 hours)***
This course introduces students to the full range of knowledge, abilities and skills required in the process of ordering, warehousing and keeping inventory control over parts and accessories for industries like the automotive, commercial transport, heavy duty, marine and warehousing sectors.
Prerequisite: Admission into the Parts & Warehousing Technician Program.

PPWT 1500
Parts Person and Warehousing Principles
4 credits ***(90 hours)***
This course reinforces the full range of knowledge, abilities and skills required in the process of ordering, warehousing and keeping inventory control over parts as well as focus on parts identification, standard stock recognition and catalogues.
Prerequisite: PPWT 1000

PPWT 2000
Parts Person and Warehousing Advanced Principles
4 credit ***(90 hours)***
This course builds on the basic principles to help students develop the range of knowledge, abilities and skills required to be responsible for inventory control from the manufacturers to consumers. Students learn how to maintain proper records, process purchases and reconcile inventories.
Prerequisite: PPWT 1500

PPWT 3000
Inventory and Business Procedures
4 credits ***(90 hours)***
This course builds on the advanced principles and helps students develop knowledge, abilities and skills required to be responsible for Merchandising, customer care, parts business and financial management as well as advanced inventory control procedures.
Prerequisite: PPWT 2000

PSYC 1110
Introduction to Psychology 1 ***3 credits (2,1,0)***
Students explore selected topics in contemporary psychology, including the history of psychology, methodology, heredity and learning, physiology and neuropsychology, consciousness, sensation and perception, learning, and memory.

PSYC 1210
Introduction to Psychology 2 ***3 credits (2,1,0)***
Students explore selected topics in contemporary psychology, including intelligence, development, personality, social psychology, emotion, motivation, and psychopathology.
Prerequisite: PSYC 1110 or instructor's written consent

PSYC 1590
Development Psychology 1 ***3 credits (2,1,0)***
This introductory psychology course focuses on human development from conception to adolescence. Topics include genetic inheritance, child rearing practices, socialization, and basic patterns of physical, emotional, intellectual and social development. The relationship between developmental stages and the educational system are explored.
Prerequisite: Admission to the Human Service program.

PSYC 1690
Development Psychology 2 ***3 credits (2,1,0)***
Continuing from PSYC 1590, students examine human development in the period from adolescence to old age and death. Emphasis is placed on patterns of growth and change throughout adult life.
Prerequisite: PSYC 1590 or equivalent Admission to the Human Service program.

PSYC 2040
Introduction to Biological Psychology ***3 credits (3,0,0)***
Students consider the relationship between psychological and biological processes. The anatomy of the brain and neutral activity as well as the endocrine system is examined as it relates to the sensory and motor abilities, learning and memory, language, motivation, states of consciousness and sexual behaviour. Research methods of studying the brain are also discussed.
Prerequisite: PSYC 1110 and PSYC 1210 or permission of the instructor

PSYC 2050
Drugs and Behaviour ***3 credits (3,0,0)***
This course surveys topics related to drugs and behaviour. Basic mechanisms of pharmacology and the nervous system are introduced in the context of psychoactive drugs. Students discuss the historical and cultural influences that have shaped the roles played by drugs and addiction in Canadian society. Impacts of drug use and abuse on society and the individual are emphasized.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent.

PSYC 2100
Analysis of Psychological Data ***3 credits (2,0,2)***
Students are provided with a conceptual and practical introduction to types of data analysis most commonly used in psychology. Topics include descriptive statistics, correlation, t-tests, chi-square, and ANOVA. This is a required course for students intending to major in Psychology and recommended for students intending to take Psychology courses numbered in the 3000's or 4000's.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent.
Exclusion: Students may normally receive credit for only one of the following: BIOL 3000, BUEC 2320, MATH 1200, PSYC 2100, SOCI 2710, SOCI 3710, STAT 1200, STAT 2000

PSYC 2110
Intro to Research Methods ***3 credits (3,0,1)***
Students are introduced to the procedures and designs used in psychological research and the critical evaluation of research. Topics include the strengths and weaknesses of different approaches to research, including non-experimental, experimental, and quasi-experimental designs; research ethics; measurement; validity of methods; control of extraneous influences; and the drawing of valid conclusions from empirical evidence. This is a required course for students majoring in psychology.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent.

PSYC 2120
Introduction to Personality ***3 credits (2,1,0)***
Students examine the major theories of personality formation, including psychodynamic, cognitive, humanistic, and behavioural approaches. Students are provided an opportunity to relate this material to personal growth and development.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent.

PSYC 2130
Introduction to Developmental Psychology: Childhood and Adolescence ***3 credits (2,1,0)***
Students explore the developmental process from conception to adolescence. Theoretical perspectives and research data are examined as they relate to physical, cognitive, and psychosocial aspects of development.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent.

PSYC 2160
Intro to Abnormal Psychology ***3 credits (3,0,0)***
Participants examine psychopathology from historical, contemporary and cross cultural perspectives. Students consider evolving models and issues including biological, psychological, and social behavioural approaches to assessment, causes, and treatment of a wide range of disordered behaviours.
Prerequisite: PSYC 1110 and PSYC 1210 orinstructor's written consent

PSYC 2210
Introduction to Cognition ***3 credits (3,0,1)***
This course is a detailed introduction to empirical and theoretical aspects in the following core areas of psychology: human memory, perception, attention, language, and thinking.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent.
Recommended: PSYC 2110

PSYC 2220
Introduction to Social Psychology ***3 credits (2,1,0)***
Students examine the effects of social environment on human behaviour, attitudes, and personality. Specifically, the topics considered include theories and methods of social psychology, social perceptions, affiliation, attraction and love, aggression and violence, prejudice and discrimination, cooperation and altruism, attitude change, group behaviours, and conformity and social influence.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent

PSYC 2230
Introduction to Developmental Psychology: Adulthood and Aging
3 credits (2,1,0)
This course is an inquiry into the developmental changes from adolescence onwards with an emphasis on adolescent adjustment, adult maturity and growth, middle age, retirement, old age, dying and death. Current research is examined as it relates to physical, cognitive, and psychosocial development.
Prerequisite: PSYC 2130 or instructor's written consent

PSYC 2300
Human Sexuality ***3 credits (3,0,0)***
Students examine the full range of sexual attitudes and behaviours as seen in contemporary society. Frank and open discussions in both lecture and small group format is stressed.
Prerequisite: PSYC 1110 and PSYC 1210 or permission of the Instructor.

PSYC 3000
Behaviour Disorders ***6 credits (3,0,0)(3,0,0)***
This course is a detailed scientific overview of abnormal behaviour, and includes discussions of history, definitions and characterizations, and an emphasis on etiology, maintenance and treatment of psychopathology. This course qualifies as a prerequisite for PSYC 3100.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent

PSYC 3020
Infancy ***3 credits (3,0,0)***
Students examine biological, social, and cognitive development from conception to the third year of life. The transition to parenthood and influences on parenting (including social policy) are a secondary focus. Content includes theoretical and methodological issues, research findings, and practical implications. Students are introduced to important primary sources as well as secondary texts.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent

PSYC 3030

Psychological Testing ***3 credits (3,0,0)***
This course provides an overview of the theory and practice of mental measurement, including test reliability and validity, its uses, administration, scoring, and interpretation.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent

PSYC 3060
Principles of Animal Behaviour ***6 credits (3,0,0)(3,0,0)***
Students examine animal behaviour from the perspective of evolutionary theory. Among the topics are an introduction to the theory of evolution and behavioural genetics; social systems as ecological adaptations; mating and parental strategies; learning, instincts, and evolution; and the evolution of human behaviour.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent.
Recommended: PSYC 2110 or PSYC 2210
Exclusion: BIOL 3100 or PSYC 3060.

PSYC 3080
Social Psychology ***6 credits (3,0,0)(3,0,0)***
Students discuss theory and research in the areas of individual social behaviour; social motivation; social attitudes; group interaction; socialization; racial prejudice; and other related topics.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent

PSYC 3100
Clinical Psychology ***6 credits (3,0,0)(3,0,0)***
Students are provided a comprehensive overview of clinical psychology. The topics include the role of personality theory in clinical psychology, an overview of descriptive psychopathology, a consideration of issues in diagnosis and classification of disorders, an examination of the techniques used in assessment of intellectual and personality functioning, and a review of various approaches to therapeutic intervention. Areas of clinical psychology research are discussed, in addition to issues of professionalism, and models of training. Students are given a sense of what it means to be a Clinical Psychologist today,recent developments in clinical psychology, and future directions in the field.
Prerequisite: One of: PSYC 2120 or PSYC 2160 or PSYC 3000

PSYC 3110
Clinical Psychology: Theories and Systems of Psychotherapy
3 credits (3,0,0)
Students are provided an overview of various psychotherapeutic approaches in the field of clinical psychology. The therapeutic systems and models examined in this course include psychoanalysis, Adlerian psychotherapy, analytic psychotherapy, client-centered therapy, rational emotive behaviour therapy, behaviour therapy, cognitive therapy, existential psychotherapy, Gestalt therapy, and multimodal therapy.
Prerequisite: PSYC 1110 and PSYC 1210 and PSYC 2160 or PSYC 3000 or instructor's written consent

PSYC 3140
Health Psychology ***3 credits (3,0,0)***
This course offers a critical survey of the basic research findings and theory on the relation between psychological factors (including behaviour, emotion, cognitive, personality, and interpersonal relationships) and health. Topics include health-related behaviours such as smoking and drug use, the effects of stressful events on health, methods of coping with stress, the impact of chronic illness on the family, and social support systems.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent

PSYC 3150
Childhood and Adolescence ***3 credits (3,0,0)***
Students examine biological, social, and cognitive development from the third year of life through to adolescence. The development of prosocial and antisocial behaviours are a special focus. Content includes theoretical and methodological issues, research findings, and practical implications. Students are introduced to important primary sources as well as secondary texts.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent

PSYC 3190
Exp Design & Quant Methods ***6 credits (2,0,1)(2,0,1)***
This course provides an integrated presentation of the methods, principles, and ethics of psychological research and explores the statistical techniques utilized for the analysis of these data. Instruction in the formal reporting of psychological studies is also covered. Required Lab: PSYC 3190L
Prerequisite: PSYC 1110 and PSYC 1210 and PSYC 2100 and PSYC 2110
Corequisite: PSYC 2110
Exclusion: PSYC 3170 and PSYC 3180

PSYC 3200
Theories of Personality 1 ***3 credits (3,0,0)***
Students examine psychoanalytic and dispositional theories on the development of personality. Topics include research findings, applications, and limitations with respect to the two approaches.
Prerequisite: PSYC 1110 and PSYC 1210
Exclusion: Students with PSYC 3050 may not take this course for credit

PSYC 3210
Theories of Personality 2 ***3 credits (3,0,0)***
Students examine environmental and representational theories on the development of personality. Topics include research findings, applications, and limitations with respect to the two approaches.
Prerequisite: PSYC 1110 and PSYC 1210

PSYC 3220
Adulthood and Aging ***3 credits (3,0,0)***
This course explores human development during adulthood through to old age. Students are provided a background in basic issues, theories, and psychological research regarding adulthood and the aging process.
Exclusion: PSYC 3050

PSYC 3230
Principles of Conditioning ***3 credits (3,0,0)***
Students examine the procedures and processes involved in Classical (Pavlovian) and Operant (instrumental) conditioning. A majority of the course material is comprised of research findings from animal studies .
Prerequisite: PSYC 1110 and PSYC 1210 or permission of the instructor

PSYC 3240
History & System of Psychology ***3 credits (3,0,0)***
Students are provided a broad overview of psychology's history, beginning with the ancient Persians, and progressing through to the mid-twentieth century. Key figures and thinkers are highlighted, and major philosophies and their founders discussed, all within the context of the political and social climate prevalent at the time.
Prerequisite: PSYC 1110 and PSYC 1210 and a minimum of six (6) additional psychology credits
Exclusion: PSYC 2100 and PSYC 2110 and PSYC 3190,

PSYC 3250
Community Psychology ***3 credits (3,0,0)***
This is a survey course designed to introduce students to various topics in community psychology. Topics include research methods and social change and intervention strategies within various community settings, such as the legal and justice system, the health care system, the mental health care system, and the educational system.
Prerequisite: PSYC 1110 and PSYC 1210 or Instructor's written consent

PSYC 3360
Psychology of Lanaguage 1 ***3 credits (3,0,0)***
Students consider the fundamental psychological abilities underlying human language. Representative topics include animal versus human communication, language processing, lexical representation, and the principles of on-line conversation.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent.
Recommended: PSYC 2210

PSYC 3380
Psychology of Emotion ***3 credits (3,0,0)***
Students discuss the theories and research on emotion from cognitive, behavioral, physiological, social, and evolutionary perspectives in the discipline of psychology. Students examine where emotions come from, their function, and meaning. Topics include development and communication of emotion, emotions and decision making, emotion regulation, and the relationship between emotion and psychological well-being.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent

PSYC 3390
Human Neuropsychology ***3 credits (3,0,0)***
This course uses clinical and experimental approaches to human neuropsychology as a basis for understanding brain-behaviour relationships in both typical and impaired functioning. Students discuss the impacts of brain disorders, including traumatic brain injury, dementia, and tumors. Students distinguish the structure and function of the human brain, with particular emphasis on the cerebral cortex; gain knowledge and understanding of how behaviour can be used to infer brain function; and think critically about key ideas and research findings in neuropsychology.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent
Recommended: One of PSYC 2040 or PSYC 3570 or PSYC 3580

PSYC 3400
Introduction to Psychology and the Law ***3 credits (3,0,0)***

Students are provided an overview of the area of psychology and the law. Applications of psychological theories and research to the legal system are examined. Topics covered include the legal system, police investigations, jury decision-making, eyewitness identification and testimony, expert evidence, and sentencing.
Prerequisite: PSYC 1110 and PSYC 1210

PSYC 3410
Forensic Psychology *3 credits (3,0,0)*

Students examine the application of clinical psychology (assessment and intervention) to the field of forensics. Topics covered include fitness to stand trial; Not Criminally Responsible By Reason of Mental Disorder (NCRMD); psychopathy, risk assessment and the prediction of dangerousness; Dangerous Offender/Long Term Offender assessments; criminal profiling; parental capacity assessments; assessment and treatment of special populations; and professional responsibilities and ethical issues.
Prerequisite: PSYC 1110 and PSYC 1210 and One of PSYC 2160 or PSYC 3000 or PSYC 3100

PSYC 3510
Sensation and Perception 1 - Visual Processes
3 credits (3,0,0)

This course describes the basic research findings and models for visual sensation and perception. Topics include the perception of brightness, contrast, colour, objects, depth, size, and movement. In addition, students discuss the physiological mechanisms of the visual system.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent.
Exclusion: PSYC 0500, Students who have credits for PSYC 3130 may not receive additional credit for this course

PSYC 3520
Sensation & Perception 2 *3 credits (3,0,0)*

This course describes the basic research findings and models for auditory, somatosensory, olfactory, and gustatory sensation and perception. Topics include the physics of sound, physiology of the auditory system, basic sound perception, auditory scene analysis, music perception, language perception, physiology of touch and pain, and the physiology of smell and taste.
Prerequisite: PSYC 1110 and PSYC 1210 or instructor's written consent.
Exclusion: Students who have credits for PSYC 3130 may not receive additional credit for this course

PSYC 3540
Cognition 1: Attention and Memory *3 credits (3,0,0)*

This course describes the research findings and models of attention and memory, both past and present. Topics include basic attentional processes and models, short-term and working memory, long-term processes, semantic and episodic distinctions, physiology of memory, and false memory.
Prerequisite: PSYC 1110 and PSYC 1210 or permission of the instructor
Exclusion: Students who have credit for PSYC 3090 may not receive additional credit for this course

PSYC 3550
Cognition 2: Language and Thought *3 credits (3,0,0)*

This course presents the research findings and models for various aspects of language and thought. Topics include language processing, reasoning, decision-making, problem-solving, and the theoretical nature of consciousness.
Prerequisite: PSYC 1110 and PSYC 1210 or permission of the instructor
Exclusion: PSYC 0500,Students who have credits for PSYC 3090 may not receive credit for this course

PSYC 3560
Psychopharmacology *3 credits (3,0,0)*

This course is a detailed introduction to psychoactive drugs at behavioural, neural and cellular levels of examination. Students learn to define and understand how drugs are processed by the body and how they interact with neurotransmitter systems. Students identify and discuss the major neurotransmitters; gain insight into the therapeutic use of psychotropic drugs to treat affective disorders, anxiety disorders, and schizophrenia; understand the properties of major classes of abused drugs (CNS depressants, stimulants, opiates, hallucinogens, etc.); and think critically about pharmaceuticals and the pharmaceutical industry.
Prerequisite: PSYC 1110 and PSYC 1210, One of: PSYC 2040 or PSYC 2050 or PSYC 3570 or PSYC 3580 or instructors written consent.

PSYC 3570
Physiology of Motivation & Emotion *3 credits (3,0,0)*

This course presents the concepts of motivation and emotion, emphasizing neural and endocrine mechanisms. Students explore the contributions of human and animal research in understanding temperature regulation, hunger and thirst, sleep and biological rhythms, exploration and curiosity, reproductive and parental behaviour, substance abuse, aggression, stress, positive and negative emotions, and feelings. Interaction between physiology and external influences are emphasized, as well as causal and functional explanations. Students think critically about key ideas and research findings in motivation and emotion, and consider how they can be applied practically to issues experienced in their own lives.
Prerequisite: PSYC 1110 and PSYC 1210 or permission of the Instructor
Exclusion: Students may not take this course if they have credit for the former PSYC 304-6 or PSYC 307-6.

PSYC 3580
Physiology of Learning and Memory *3 credits (3,0,0)*

This course provides a detailed presentation of the different types of learning and memory, emphasizing neural mechanisms. Students discuss the interplay of human and animal research (including that with invertebrates) in understanding synaptic plasticity involving long-term potentiation and depression, perceptual learning, classical and instrumental conditioning, and relational learning. Learning disabilities, memory impairment, and recovery from brain injury are also considered.
Prerequisite: PSYC 1110 and PSYC 1210 or permission of the instructor.
Recommended: PSYC 2040
Exclusion: PSYC 0500. Students who have credits for PSYC 3040 may not receive additional credit for this course

PSYC 3610
Integrated Methods and Analysis of Psychological Data
3 credits (2,1,0)

This course will provide an integrated presentation of design considerations and statistical methods. The focus of the course will be analysis of research designs with multiple independent variables and a single dependent variable, though the material covered will not be limited to these types of designs. Topics covered include reliability, validity, power, sampling, tests, correlation, regression, analysis of variance, nonparametric procedures, and sampling
Prerequisite: PSYC 2100 and 2110
Corequisite Psychology 2110, with permission of the instructor.
Exclusion: PSYC 3190

PSYC 4100
Advanced Research and Methodology *3 credits (0,3,0)*

Students are provided an opportunity to apply research methods and statistics to an advanced research project supervised by a faculty member.
Prerequisite: PSYC 3190 or PSYC 3610 and fourth year standing in psychology major and GPA of at least 3.33

PSYC 4400
Directed Studies in Psychology
3/*6 credits (3,0,0) or (3,0,0)(3,0,0)*

Students are provided an opportunity to engage in a directed investigation of a problem, and are required to complete a written report of their findings.
Prerequisite: Satisfactory standing and permission from a faculty member who is prepared to supervise the investigation.
Exclusion: This course cannot be counted towards a major (i.e., towards minimum 30 credits)

PSYC 4990
Honours Thesis in Psychology *6 credits*

Central to this course is an original research project conducted by students in the Psychology Honours Program of the Bachelor of Arts (B.A.) degree, to be completed under the direction of a faculty member in the Department of Psychology. Students strengthen their research, writing and analytical skills in preparation for graduate or professional schools, many of which require an Honours degree. Students accepted into the Psychology Honours Program must register in this course for both the Fall and Winter semesters of their final academic year. Students who do not meet the requirements may write an appeal to the Psychology Department Chair, who will present the appeal to the Curriculum committee.
Prerequisite: Acceptance into the Psychology Honours Program PSYC 3190 with a B grade and 3rd-year statistics & methodology course identification of a supervisor for the thesis. The general requirements for acceptance at the third-year level are: PSYC 111

RCAR 1000
Residential Construction – Foundation *1 credit*

Students are introduced to theory and gain hands-on experience building a residential home. Topics include: safe work practices, documentation and organizational skills, tools and equipment, survey instruments, performing a site layout, building a concrete framework, framing for residential housing, and building science.

RESP 1580
Instrumentation 1 (L) *3 credits (3,0,3)*

This course introduces students to a wide variety of Respiratory Therapy equipment. The learner will develop a thorough understanding of the functioning and patient application of the equipment. Areas covered include gas regulators and administration devices, humidifiers and aerosol therapy.
Required Lab: RESP 1580L
Prerequisite: Admission to the Respiratory Therapy program

RESP 1650
Introduction to Mechanical Ventilation ***3 credits (3,0,0)***
Students focus on the foundations of mechanical ventilation including lung mechanics, various modes and adjuncts applied during mechanical ventilation, and how they interrelate. The course also addresses cardio-pulmonary physiology as it relates to mechanical ventilation, and provides the background a student requires to progress into the mechanical ventilators course.
Prerequisite: Admission to Semester 2 of the Respiratory Therapy program.

RESP 1680
Instrumentation 2 (L) ***3 credits (3,0,6)***
A continuation of RESP 1580, including controlled environments, oxygen controlling devices, artificial airways, resuscitators, oxygen analyzers, non-invasive monitors, volume and flow measuring devices, suction, quality assurance and time unit management.
Required Lab: RESP 1680L
Prerequisite: Successful completion of the first semester of the Respiratory Therapy program

RESP 1690
Cardiopulmonary Anatomy and Physiology
3 credits (4,0,0)
This course provides background knowledge and concepts of respiratory system anatomy and cardiopulmonary physiology that students require to progress in the comprehensive curriculum of Respiratory Therapy. Selected cardiovascular system anatomy curriculum is included. Cardiac and pulmonary physiological processes are related to cardiopulmonary disease and clinical practice at an introductory level.
Prerequisite: Admission to the Respiratory Therapy Program.
Corequisite: BIOL 1590 or equivalent

RESP 2500
Pathophysiology 1 ***3 credits (3,1,0)***
This course will deal with disordered function of various body systems excluding the respiratory system.
Required Seminar: RESP 2500S
Prerequisite: Admission to the second year Respiratory Therapy program

RESP 2510
Pharmacology ***3 credits (4,0,0)***
Students are provided with the fundamentals of pharmacology, an overview of drug classifications that indirectly affect the respiratory system, and an in-depth survey of the cardiopulmonary drug classifications. Significant emphasis is placed on the drugs used in the treatment of asthma, COPD, tobacco cessation and the cardiovascular system. The content and material studied in this course is applied and reinforced in subsequent courses.
Prerequisite: Admission to Semester 2 of the Respiratory Therapy program.
Corequisite: BIOL 1690 or equivalent.

RESP 2550
Mechanical Ventilation (L) ***4 credits (4,0,3)***
Mechanical Ventilation is a form of life support for the critically ill patient. Students are instructed in the fundamentals of mechanical ventilators and ventilatory modes. Ventilator-patient interactions are explored in the context of specific lung conditions and patient situations.
Prerequisite: Admission to Semester 3 of the Respiratory Therapy Diploma program or Semester 5 of the Respiratory Therapy Dual Credential program.

RESP 2570
Blood Gas Analysis (L) ***3 credits (3,1,2)***
Students are provided a theoretical overview of the collection, analysis, clinical interpretation, and clinical applications of blood gases. Students also learn the application of invasive and non-invasive technology in the assessment of blood gases.
Prerequisite: Admission to the second year Respiratory Therapy program

RESP 2590
Patient Assessment (L) ***3 credits (3,1,2)***
Students are provided with an overview of the knowledge and skills required for an optimal respiratory therapist-patient relationship. These include good patient assessment skills, communication and documentation skills, and the assessment of diagnostic data. Students develop strong clinical reasoning skills which promote effective patient care.
Prerequisite: Admission to Semester 3 of the Respiratory Therapy Program

RESP 2600
Respiratory Pathophysiology ***3 credits (3,1,0)***
Students explore various respiratory disorders in terms of definition, etiology, pathogenesis, pathology, pathophysiology, clinical manifestations, diagnosis and treatment.
Prerequisite: Admission to Semester 4 of the Respiratory Therapy Program

RESP 2620
Anaesthesia (L) ***3 credits (3,1,1)***
Students gain an awareness of the skills and knowledge required to assist in the delivery of anesthesia. This includes a study of the equipment utilized in anaesthesia; the technical and clinical aspects of anesthesia; the techniques for anesthetic administration; and the critical maintenance of safe anesthetic practices.
Prerequisite: Admission to Semester 4 of the Respiratory Therapy Program

RESP 2630
Perinatal and Pediatric Respiratory Care (L)
3 credits (3,1,2)
Students develop the knowledge and skills required to work in a perinatal and pediatric setting. Various topics include pregnancy, delivery and assessment of the newborn; acute care of the 'at risk' newborn; perinatal and pediatric physiology and pathophysiology; and the respiratory care technology used in the monitoring and treatment of neonatal and pediatric disorders. Certification in the Neonatal Resuscitation Program (NRP) occurs in this course.
Prerequisite: Admission to Semester 4 of the Respiratory Therapy Diploma program or Semester 5 of the Respiratory Therapy Dual Credential program.

RESP 2640
Application of Mechanical Ventilation (L)
3 credits (3,0,2)
This course provides an overview of the clinical application of mechanical ventilation. Students learn how to establish the need for, initiate, maintain, and effectively withdraw mechanical ventilation. Upon completion of this course, students are able to optimize ventilatory care for patients, depending upon subjective and objective patient assessment.
Prerequisite: Admission to the 4th semester of the Respiratory Therapy Diploma program or the 5th semester of the Respiratory Therapy Dual Credential program.

RESP 2680
Pulmonary Function (L) ***3 credits (3,0,1)***
Students gain a thorough understanding of the importance of pulmonary function (PF) testing, the knowledge to interpret PF data, and the practical experience of performing these tests according to the American Thoracic Society (ATS) criteria. The importance of quality control is emphasized and applied in the PF lab. Students focus on spirometry, diffusion testing, lung volume testing, airway resistance, and bronchoprovocation testing.
Prerequisite: Admission to Semester 3 of the Respiratory Therapy Diploma program or Semester 5 of the Respiratory Therapy Dual Credential program.

RESP 2710
Assessment and Intervention in Multisystem Disorders (L)
3 credits (4,0,3)
This course provides a case-based approach to respiratory care. Students enhance their critical thinking skills and apply their knowledge and clinical skills to the assessment and treatment of patients requiring respiratory care.
Prerequisite: Admission to Semester 4 of the Respiratory Therapy Diploma program or Semester 5 of the Respiratory Therapy Dual Credential program.

RESP 2720
Professional Issues in Health Care ***3 credits (3,0,0)***
Students develop professional skills that are required to work effectively within a health care environment. Today's graduate must possess effective oral and written communication skills, work effectively within a team, provide clear patient and public education, and demonstrate the ability to problem-solve. Small group, seminar-based discussions are often used to provide a broader perspective and enable a deeper understanding of course topics. This course is topic driven yet anchored to historical issues for the respiratory therapist practicing in the Canadian health care system.
Prerequisite: Admission to the Respiratory Therapy program

RESP 3010

Sleep Therapy and Ambulatory Diagnostics for Obstructive Sleep Apnea Syndrome ***3 credits (45 hours)***

Students are introduced to current ambulatory diagnostic tools and techniques used in the diagnosis, treatment, and ongoing assessment of Obstructive Sleep Apnea Syndrome. This course focuses primarily on patient assessment, current therapeutic techniques, and the technology used in clinical practice outside the hospital laboratory.
Prerequisite: Completion of the 1st year of TRU's Respiratory Therapy program or completion of a health science program and employment in the field of sleep medicine. Applicants who do not meet the normal required prerequisites may seek acceptance for reg

RTCT 3040
Respiratory Therapy Clinical Theory: Neonatal and Pediatrics
2 credits (3,0,0)

This course consists of a series of academic half-days (over a six- to eight-week period) dedicated to the review and examination of didactic material related to clinical practice in the neonatal and pediatric care setting. Students are provided a comprehensive overview and integration of all program curriculum, including a combination of lectures, case studies and seminars presented by therapists, physicians and other health professionals. The Program Clinical Coordinator is responsible for course continuity. The B.C.C.H. Clinical Site Coordinator is responsible for on-site delivery and organization.
Prerequisite: Successful completion of the academic portion of the Respiratory Therapy program

RTCT 3110
Respiratory Therapy Clinical Theory (Level 1)
3 credits (84 hours)

This course consists of a series of academic half-days (over a 24-week period) dedicated to the review and examination of didactic material related to clinical practice in the adult care setting. Students are provided a comprehensive overview and integration of all program curriculum, including a combination of lectures, presentations, and seminars presented by students, therapists, physicians, and other health professionals. The Program Coordinator is responsible for course continuity. The Clinical Site Coordinators are responsible for on-site delivery and organization.
Prerequisite: Successful completion of the academic portion of the Respiratory Therapy program

RTCT 3120
Respiratory Therapy Clinical Theory (Level 2)
3 credits (3,0,0)

This course consists of a series of academic half-days (over an 18-week period) dedicated to the review and examination of didactic material related to clinical practice in the adult care setting. Students are provided a comprehensive overview and integration of all three years of the program, including a combination of lectures, case studies, and seminars presented by therapists, physicians and other health professionals. The clinical coordinator is responsible for course continuity. The site coordinators are responsible for on-site delivery and organization.
Prerequisite: Successful completion of the academic and clinical portions of Level 1

SAWF 1000
Saw Filer Level 1 ***6 credits (180 hours)***

This course covers the fundamentals required to work in the Saw Filer trade. Students will learn how to inspect install, adjust, operate, maintain and repair saw sharpening equipment.

SAWF 2000
Saw Filer Level 2 - Circular Saw Filer ***4 credits (120 hours)***

This course covers circular saws including inspection for plumb, level and proper tension. Students will also learn tooth geometry, how to correct defects, maintain and align saw machine centers.
Prerequisite: Admission into the Saw Filer Program and completion of SAWF 1000 or equivalent.

SAWF 3000
Saw Filer Level 3 ***4 credits (120 hours)***

This course covers band saws including inspection for plumb, level and proper tension. Students will also learn tooth geometry, how to correct defects, maintain and align saw machine centers.
Prerequisite: admission into the Saw Filer Program and completion of SAWF 2000 or equivalent.

SCMN 3320
Supply Chain Management ***3 credits (3,0,0)***

Students examine the strategic fit of supply chains with organizational goals; this course lays the foundation for advanced study in the field. Topics include an introduction to supply chain management; supply chain strategy; demand management, inventory management; inventory modeling; supply chain network design and facility location; warehouse management; and transportation management.
Prerequisite: ACCT 2250, MIST 2610, ECON 2330 or equivalent

SCMN 3330
Procurement Management **3 credits (3,0,0)**

Students explore the methods used by organizations to acquire the raw materials, components, supplies, equipment, facilities, and services needed to operate. Topics include strategic procurement, procurement process, competitive bidding and negotiation, procurement and supply management organization, make or buy, price and cost analysis, quality and inventory, supplier selection, supplier development and certification, services procurement, e-Procurement, and involving users and suppliers.
Prerequisite: SCMN 3320

SCMN 4310
Operations Management ***3 credits (3,0,0)***

Students study the design, planning, establishment, operation, control and improvement of all activities in the creation of a firm's products. Practices in both manufacturing and service businesses are explored. Topics include an introduction to operations management; project management; total quality management; product and process design; job design and measurement; facility layout and assembly line balancing; material requirement planning and production scheduling; capacity management; inventory management; and decision tools including simulation, linear programming and decision analysis.
Prerequisite: MATH 1170 or equivalent SCMN 3320

SCMN 4320
Logistics and Transportation ***3 credits (3,0,0)***

Students examine the movement of raw materials and parts from the supplier to the manufacturer and the movement of finished products to the final consumer. An effective integration and optimization of each step in the process is emphasized. Topics include an introduction to business logistics; logistics strategy and planning; logistics product; third and fourth party logistics providers; customer services and order processing; transportation fundamentals including transportation modes, inter-model services, pricing, and other shipping terms and documentation; transportation decision making and modeling; warehouse and storage management; and distribution requirement planning.
Prerequisite: MATH 1170 or equivalent SCMN 3320

SCMN 4390
Selected Topics in Supply Chain Management
3 credits (3,0,0)

Students examine a selection of contemporary issues in supply chain management. Topics include strategic supply chain management; global supply chains; sustainable supply chains; service supply chains; supply chain resilience; reverse supply chains; quality in supply chain management; modern manufacturing methods; product design and encouraging technical innovation; process reengineering and competitive benchmarking; and supply chain optimization.
Prerequisite: SCMN 3330, SCMN 4310, SCMN 4320

SERV 1000
Introduction to Community Service-Learning (P)
3 credits (2,1,3)

This course, intended for a wide variety of community-minded first year students, provides students with opportunities to connect their academic course work with service in community organizations in Kamloops. The primary focus of this course is the service experience of the students. Concurrent with this experience, students broaden their personal, cultural, academic and professional knowledge through topics such as workplace culture and career exploration. Students demonstrate their service-learning through reflective oral and written assignments.
Prerequisite: 1st year standing or completion of ESAL Level 3 (65% or better), or by English placement test into ESAL Level 4

SERV 3000
Service Learning (Third Year)

Third year students are provided with supervised service learning opportunities. Academic service learning provides a venue for senior-level students to share their knowledge and skills with the community through approved community-based projects. Service learning projects may be initiated by students, community members, groups, agencies, organizations, and faculty. To qualify for service learning credit, a faculty member must authorize the course and then agree to supervise and evaluate the project.

SERV 4000
Service Learning (Fourth Year)

Fourth year students are provided with supervised service learning opportunities. Academic service learning provides a venue for senior-level students to share their

knowledge and skills with the community through approved community-based projects. Service learning projects may be initiated by students, community members, groups, agencies, organizations, and faculty.
Prerequisite: Students must have completed 90 credits

SOCI 1110
Introduction to Sociology 1 *3 credits (2,1,0)*
Students are introduced to the core concepts of the discipline of sociology by examining key concepts (such as culture, socialization, social interaction, social roles, and educational issues) that allow us to locate ourselves within society. Students also explore theoretical perspectives within sociology and the fundamentals of research methods, including how sociologists gather information about society.

SOCI 1210
Introduction to Sociology 2 *3 credits (2,1,0)*
In this second half of Introduction to Sociology, students are introduced to such topics as crime and deviance, social control, large scale organizations, principal institutions such as religion, politics, and economy. Students also critically examine the impact of social structure, such as race and ethnicity, social stratification, and gender relations, on individual's lives.
Prerequisite: SOCI 1110

SOCI 2010
Race and Ethnic Relations *3 credits (3,0,0)*
Students examine sociological descriptions and theoretical explanations for race and ethnic inequality in Canada. This course challenges students to critically examine race and ethnic relations in Canada and other countries.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2100
Canadian Social Issues *3 credits (3,0,0)*
This course offers a descriptive and analytic survey of features in Canadian society as a basis for understanding current social issues. These features include demographic characteristics, class structure, ethnicity, and regional variation.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2130
Women in Global Perspective
3/6 credits (3,0,0) or (3,0,0)(3,0,0)
This course provides a global approach to the study of women's lives. Topics include sexuality, the sex trade, family relations, violence, the global economy, domestic work, and politics.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2160
The Family in Cross-Cultural Perspective
3 credits (3,0,0)
Students are introduced to the study of family life in its formation, the relevance of marriage and cohabitation, bringing up children, and the impact of family issues. In this cross-cultural comparison of family life, students are familiarized with the variations that occur throughout the world in the structure and meaning of marriage relations; forms of domestic organization; the sexual division of labour, property and inheritance, and the familial influence in the construction of gender relations in different cultures around the world.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2170
Sociology of Popular Culture *3 credits (2,1,0)*
Students are introduced to the sociological implications of popular culture, and focus on issues central to the presentation, consumption, and construction of current social life. Popular culture affects everyone; however, everyone does not participate in it equally. Thus both the unequal consumption of popular culture, and the representations (and justifications) of inequality between groups in Western society as presented in popular culture is studied in the course.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2230
Collective Behaviour *3 credits (2,1,0)*
Students are introduced to explanations and analyses of crowd and mass action. Students aim to describe and analyze such behaviors as riots, fads, demonstrations, public opinion, and emergent social movements.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2260
Medical Sociology *3 credits (2,1,0)*
Students focus on the social factors which influence help seeking and illness behaviour, as well as the nature and organization of Canada's health care system. The main purpose of this course is to illustrate that health and illness are not entirely individual phenomena, but that the cause, distribution, and consequences of injury and illness are at least partly the product of social, economic, and political factors. Topics include policy and delivery of health care; interaction between health care providers and patients; occupational health and safety; environment, work and illness; health care and the elderly; and inequality and health care.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2270
Select Topics in Sociology *3 credits (2,1,0)*
Students are provided an opportunity to explore theories, topics, or issues that are not normally offered by the department, or in the permanent course rotation. Subtitles reflect the topic for a specific offering and therefore vary. Students may enroll in SOCI 2270 twice, providing the subtitles are different at each enrolment.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2500
Crime and Society *3 credits (2,1,0)*
Students are introduced to the central issues of criminology, such as the definition of crime; methods of research into criminal activities, the operation of the criminal justice system in the making and controlling of crime, and theories that are used to explain the origins of crime and criminality.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2590
Deviance and Control *3 credits (3,0,0)*
Students learn to adopt a sociological perspective when thinking about 'deviant' behaviour, while examining the complex task of defining 'deviance' and how these definitions vary over time and place. Students critically evaluate the social category of deviance and its use in social institutions and daily social interactions, and consider the role of power in reinforcing and challenging 'deviant' identities. Major topics may include an exploration of sexuality, youth, physical appearance, mental disorders, religion, and scientific beliefs.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2620
Sociology of the Environment *3 credits (3,0,0)*
Students are introduced to several theories that sociologists use to explain the exploitation and despoiling of the natural environment. How and why society defines and uses natural resources is examined, in addition to how and why environmental degradation is defined as an issue while other degradation is not. Students learn that values, norms and definition change across time and place. Due to the nature of environmental issues and problems, students focus on global and Canadian issues.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 2720
Introduction to Research Methods *3 credits (2,1,0)*
Students are introduced to an overview of the philosophy and practice of social research. Topics include research ethics, research design, survey research, field research, interviewing, quasi-experimentation, and data analysis. This is a core course for students in the sociology major program.
Prerequisite: SOCI 1110 with a C or better SOCI 1210 with a C or better

SOCI 3100
Canadian Society
3/6 credits (3,0,0) or (3,0,0)(3,0,0)
Students examine selected features of the social organization of Canadian society. Topics may include the relationships between industrial organization and other social institutions and processes, such as family structure, welfare systems, crime rates, ethnic relations, industrial, and political conflict.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 3120
Gender Relations *6 credits (3,0,0)(3,0,0)*
Students examine the nature of gender relations, their social and cultural expression, and theories of gender inequality drawn from anthropological or sociological research.
Prerequisite: SOCI 1110, SOCI 1210
Exclusion: ANTH 3120

SOCI 3160
Sexuality *3 credits (3,0,0)*
Sexuality is a set of discourses about good and bad sexual practices, and it is a part of any society's social institutional structure. Students examine sexuality in its multiple dimensions, and as the basis for progressive and regulatory, or repressive, counter-movements.

Prerequisite: SOCI 1110, SOCI 1210

SOCI 3200
Classical Social Theory *3 credits (2,1,0)*

Students are introduced and guided through the study of complex works by three influential founders of sociology (Karl Marx, Emile Durkheim, and Max Weber), as well as other relevant theorists who contributed to the formation of the basic concepts and methods of the social sciences. Students also examine the challenges of a male-centred perspective on society in the classical canon, and the contributions of early feminist social theorists. The course focuses on the development of capitalism, the formation of modern society, and the discovery of the society as an object of knowledge.
Prerequisite: Admission to the Sociology Major Program

SOCI 3210
Feminist Theory *3 credits (2,1,0)*

Students are introduced to the history of Western feminist thought and the major traditions of feminist theory. Classical and contemporary debates on gender relations relevant to sociologists and other social theorists are examined in depth. This is a core course for students in the sociology major program.
Prerequisite: SOCI 1110, SOCI 1210, SOCI 3200

SOCI 3220
Contemporary Issues in Social Theory *3 credits (2,1,0)*

Students examine contemporary issues in social theory, and learn to evaluate the range of strategies theorists use to clarify and resolve theoretical problems. Links between theory, research, and explanation are also explored. This is a core course for students in the sociology major program.
Prerequisite: One 3 credit second year Sociology course and SOCI 3200

SOCI 3520
Organization of Work *3 credits (3,0,0)*

Students explore the meaning of work and leisure, and the properties of work organization, such as division of labour and specialization; technology and working knowledge; and the means of coordinating work, such as cooperation, authority, and exchange. Student may also research topics such as work in households, offices and industry, division of labour by gender, industrial democracy, and the relation of work and social inequality.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 3600
Sociology & Natural Resources *3 credits (3,0,0)*

Sociological perspectives on property, resource development, resource communities, and resource industries. Social causes and consequences of change in the social organization (e.g. ownership and the labour force); and social policies (e.g. land use, property rights) in industries such as agriculture, fishing, forestry, and mining. The course may also include examination of social aspects of resource development in the Third World.
Prerequisite: SOCI 1110/1210

SOCI 3610
Social Inequality *3 credits (3,0,0)*

Students examine the tendencies toward equality and inequality; the manifestations of inequality and their consequences, including occupation, ethnic groups, income, and power; caste and class features of major stratification systems; theories of social class; and the stratification profile of contemporary industrial societies.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 3620
Special Topics in Social Problems *3 credits (2,1,0)*

Students focus on a selected social problem, or area within the sociology discipline. The specific social problem varies from year to year. Prospective students should consult the current sociology at TRU handbook or a member of the Department for information concerning the availability of this course.
Prerequisite: SOCI 1110, SOCI 1210, 3rd year standing

SOCI 3680
Deviance and Social Control *6 credits (3,0,0)(3,0,0)*

Students learn the analytic framework for the study of the generation and control of deviant activities. The course aims to explore the essence of deviant behaviour, including its construction, explanation, commission, and control. Students focus on the major theoretical approaches to the study of deviance and deviants, and may discuss classical and contemporary theories.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 3800
Social Survey Design and Analysis *3 credits (2,1,0)*

Students learn to design questionnaires, complete interviews, draw samples, and analyze survey data. This is a core course for the sociology major program.
Prerequisite: SOCI 1110, SOCI 1210, SOCI 2720

SOCI 3820
Socio-Ethnographic Research Methods in Sociology
3 credits (2,1,0)

Students are introduced to the six main ways of collecting qualitative (non-numerical) data: interviewing, focus groups, ethnography, sociometry, unobtrusive measures, and historiography. Students also discover methodologies for how to make sense of this data. This is a core course for sociology major students.
Prerequisite: SOCI 1110, SOCI 1210, SOCI 2720

SOCI 4030
Ethnography of Special Areas- Field Course in East/Central Europe
6 credits (3,0,0)

This course offers an advanced introduction to the societies and cultures of East and Central Europe by way of a month-long field trip to Austria, Czech Republic, Slovakia, and Ukraine. While immersed in the geographical area, students ethnographically examine the religions, ethnic relations, economies, and politics shaping the buffer zone between the European East and West.
Exclusion: ANTH 4030

SOCI 4130
Family and Kinship *3 credits (3,0,0)*

Students are exposed to a cross-cultural survey of methodologies for defining family relations and kinship organizations through theoretical analysis and case studies.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 4200
Complex Organizations *3 credits (2,1,0)*

Students explore the history of the formation of complex organizations during the industrial and political revolutions of modernity, including their initial bureaucratic arrangement, and their newer, more flexible and dynamic forms due to technological change and globalization. A critical sociological perspective on organizational analysis is discussed, including how to recognize the different species of organizations, and how they touch virtually all aspects of modern life. This perspective allows students to appreciate the relationships between modern complex organizations and individuals, and how organizations interact with the larger institutions of society and the world.
Prerequisite: SOCI 3520 or instructors written consent

SOCI 4600
Globalization *3 credits (2,1,0)*

Students examine the origins, nature, and impact of globalization in the modern world. Links between nations, regions, and peoples are increasing at an unprecedented rate. New technologies make possible previously unimaginable forms of interdependence, but the consequences of these changes are not uniform. The impacts vary from region to region. Students explore how people from different nations may view globalization, and consider how groups work to ensure that globalization contributes to desirable outcomes in local contexts.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 4660
Socialization and Education *3 credits (3,0,0)*

This course provides a study of the induction into social structures and the acquisition of membership in society. Students analyze the structure and influence of education, and other socializing institutions.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 4700
Sociology of Crime and Justice *3 credits (3,0,0)*

This course offers a critical examination of specific forms of crime and delinquency in relation to the criminal justice systems of the common law (adversarial) and civil (inquisitorial) law traditions. These include law, law enforcement, courts, and corrections. Issues of ethics, morality and social justice are raised.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 4730
Global Social Change *3 credits (3,0,0)*

Students examine the societal developments that gave rise to colonization and prepared the grounds for globalization. The issues facing ordinary people, from Asia, Africa and Latin America, are explored as a consequence of colonization and the imbalance of power in the world. Topics include dictatorship and human rights abuses; unequal economic development; struggles for decolonization and independence; the status of women; environmental degradation; and the circumstances of ethnic minorities and aboriginal peoples. Students also discuss grass-roots social movements that have

achieved transnational organization and that oppose the effects of global neo-colonialism.
Prerequisite: SOCI 1110, SOCI 1210

SOCI 4810
Directed Studies in Sociology
3/6 credits (3,0,0) or (3,0,0)(3,0,0)

This course is designed to allow upper-level students to undertake an investigation on a specific topic as agreed upon by the faculty member and the student.
Prerequisite: SOCI 1110 and SOCI 1210, one 2nd year methods course in Sociology. and one 3rd year theory course in Sociology. One specific Sociology course on the general topic of the directed studies course. Declared major in Sociology. GPA minimum as per TRU Honours Degree Policy ED 16-2. Permission of the instructor.

SOCI 4840
Sociology of Health & Illness *3 credits (3,0,0)*

Students explore sociological perspectives on health, illness, and health care as represented in classic and contemporary sociological studies. Topics may include illness experience, social aspects of the practice of health professionals, training of health professionals, and the social organization of health delivery systems.
Prerequisite: SOCI 1110, SOCI 1210

SOCW 2060
Introduction to Social Work Practice *3 credits (3,0,0)*

Students explore the history, philosophical foundation, and theoretical perspectives of the profession of social work, including a review of the relevant codes of ethics and practice standards that guide practitioners. This course provides an overview of the roles in which social workers become involved, for example, as advocates, policy analysts, administrators, activists, educators, counsellors, facilitators, mediators, organizers, and researchers. Social workers are committed to working for social justice; therefore, students examine the social structures that influence people's lives and how various sources and forms of oppression and marginalization impact the lives of people in Canadian society.
Prerequisite: 2nd year standing

SOCW 2120
An Introduction to Social Welfare in Canada
3 credits (3,0,0)

Students are introduced to the Canadian welfare state and the response of the federal and provincial governments to poverty in Canada. An overview of the historical development of social security policies and programs in Canada is provided, and the influence of ideology on policy is discussed. The impact of policy on youth, women, older persons, and Aboriginal peoples is described. The human service/social worker's role in formulating and influencing policy is considered.

SOCW 3000
Canadian Social Policy *3 credits (3,0,0)*

This course explores the socio-historical, economic, ideological, and institutional contexts for the development of social policy in Canada. Students discuss the policy making process, as well as the role of social policy in processes of inclusion, exclusion, marginalization, and oppression. A critical analysis of selected social policies is emphasized. Students must maintain a grade of C or better to successfully complete the course.
Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program, or permission of the program coordinator.

SOCW 3010
Introduction to Social Work Research *3 credits (3,0,0)*

Students explore the concepts, methods, and processes of social research, and develop skills in conducting and assessing research. Students are challenged to examine their own approach to knowing, to incorporate research into practice, and to think critically about research in relation to social work practice. The subjectivity of the researcher, the political and ethical context of research, and the role of research as an instrument of power in the lives of oppressed peoples is discussed. Student must maintain a grade of C or better.
Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 3020
Data Analysis in the Health and Human Service Professions
3 credits (3,0,1)

This course is designed to facilitate learner understanding of the data-analysis process in relation to research-based professional practice in nursing and social work. Students apply a range of analytical techniques to qualitative and quantitative data, while enhancing their ability to analyze data and critically review research literature applicable to their professional practice.
Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program or permission of the program coordinator.
Exclusion: Students may normally receive credit for only one of the following: BIOL 3000, ECON 2320, STAT 1200, PSYC 2100, SOC

SOCW 3040
Social Work Field Practice *6 credits (0,1,21)*

Students apply ethics, theory, and research to social work practice while developing professional practice skills. Students integrate classroom learning with practical experience while working in partnership with clients, community groups, and other professions. The practicum is a structured educational experience that includes specific learning objectives and professional supervision provided in an evaluative, disciplined, and reflective manner. Through seminar discussions, students analyze inequality, injustice, and oppression in practice. The practicum is normally completed three days a week and is accompanied by a seminar, for a total of 300 hours including pre-practicum orientation and practicum seminars.
Prerequisite: SOCW 3060 and SOCW 3530

SOCW 3060
Theory and Ideology of Social Work *3 credits (3,0,0)*

Students are introduced to social work theory and ideology, while they examine the links between social values, theory, and practice in social work. Various social work practice theories are introduced to build a foundation for critical social work practice. The social, political, and economic contexts of social work and social welfare are addressed.
Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 3070
Models of Social Work Practice *3 credits (3,0,0)*

Students review and examine social work practice models such as humanist/existential, ecological, task-centred, behavioural, feminist, cognitive, and radical/structural. The seminar focuses on the integration of communication skills, practice experience, and theoretical knowledge.
Prerequisite: SOCW 2060 (with grades of C or better), SOCW 2120 (with grades of C or better), SOCW 3530 (with grades of C or better), SOCW 3060 (with grades of C or better), admission to the Bachelor of Social Work program or permission of the program coo

SOCW 3100
Aboriginal Life Cycles *3 credits (3,0,0)*

This course utilizes seven interconnected circles to represent the life cycles of creation, birth and childhood, youth, women, men, elders, and Spirit World. Students examine stages of development and learning through these life cycles, in social and cultural contexts. This course seeks to create understanding and knowledge of Indigenous people through differing ways of knowing, being, seeing, and doing.
Prerequisite: SOCW 2060 and SOCW 2120

SOCW 3110
Aboriginal Perspectives on Social Policy *3 credits (3,0,0)*

Students inquire into the process of decolonization as it relates to social policy, and explore and analyze historical Canadian policies and legislation and their implications for Aboriginal people today. Students critique and analyze the efficacy of existing policies, and create a framework to interpret and develop effective policies for Aboriginal peoples.
Prerequisite: SOCW 2060 and SOCW 2120

SOCW 3300
International Field Studies *3 credits (3,0,0)*

This course offers a two-week international study experience in a selected country. Students explore the political, economic, cultural, and social conditions of their selected country, including globalization and its effects on citizens, social welfare policy and practice, community development strategies, and the marginalization and oppression of groups. Activities involve presentations and seminars by international leaders, professionals, and residents, as well as visits to a range of community sites and organizations.
Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program or permission of the program coordinator.
Exclusion: This course is identical to POLI 3300.

SOCW 3530
Social Work Practice with Individuals *3 credits (3,0,0)*

Students develop effective communication skills and apply these to social work practice. From anti-oppression, feminist, and Aboriginal perspectives, students establish communication concepts and methods applicable to practice with diverse groups. Through experiential methods, students increase self-awareness and problem-solving skills, develop a beginning purposeful intervention framework, and gain experience in the conscious, disciplined use of self.

Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 3540
First Nation Issues and Human Services *3 credits (3,0,0)*

Students critically examine the historical process of colonization in Canada, the resulting barriers embedded in policy and practice, and alternative ways of viewing the social-psychological position of First Nations people in Canadian society. Contemporary issues and the movement toward self-determination are discussed in relation to social work theory and practice. Students must maintain a grade of C or better to successfully complete the course.
Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 3550
Human Development *3 credits (3,0,0)*

The objectives of this course are to introduce students to concepts and models of how human behaviour is acquired, maintained, and modified, and to promote an understanding of normal human development as a knowledge base for practice with individuals, families, and groups in a rural context.
Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 3570
Social Work, Law, and Social Policy *3 credits (3,0,0)*

This course provides a basic introduction to legal issues and an examination of the social impact of legislation and policy. Students develop a beginning knowledge base in areas of law that are particularly relevant to social work practice.
Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program or permission of the program coordinator.
Exclusion: CYCA 3570

SOCW 3580
Legal Skills for Social Workers *3 credits (3,0,0)*

Students explore theory and practice approaches to mediation, alternative dispute resolution, and advocacy. Through participation in role play, practice simulations, and a moot court experience, students develop skills in evidence-giving, investigation, and report-writing.
Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 3590
Advanced Social Work Practice with Individuals
3 credits (3,0,0)

This course builds on established interview skills and practice with individuals. Students are introduced to work with diverse social and cultural groups including Aboriginal, Asian, and francophone peoples within British Columbia. Communication with Aboriginal people is a major emphasis in this course. Students develop a culturally sensitive approach in problem-solving situations while working with individuals. Theories of intervention are introduced, practiced, and critiqued by students.
Prerequisite: SOCW 2060, SOCW 2120, SOCW 3530

SOCW 3750
Cultural Immersion *3 credits (3,0,0)*

This course provides an opportunity to experience First Nations culture and traditions from a holistic perspective. Students are immersed in cultural activities, ceremonies, and teachings to deepen their knowledge and appreciation of First Nations culture.
Prerequisite: SOCW 2060, SOCW 2120

SOCW 3760
Family and Child Welfare Practice *3 credits (3,0,0)*

Students analyze family and child welfare systems and current British Columbia models of practice from anti-oppression, Aboriginal, and feminist perspectives. An introductory critique of the legal system is provided, and its relationship to practice with diverse populations is considered. Students also discuss the importance of understanding personal and professional values and ethics in a climate of constant change. Major emphasis is given to First Nations and Aboriginal child welfare due to the high rate of Aboriginal children in care.
Prerequisite: SOCW 2060, SOCW 2120, admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4000
Policy in the Human Services *3 credits (3,0,0)*

Students are provided with an introduction to the main organizational structures of, and stages in, the social policy making process in Canada. The course aims to strengthen students' skills in the analysis of policies and programs in Canadian human services; to critically reflect on different ideologies and theories through which the welfare state has been examined in various countries; and to develop an appreciation of the interdisciplinary nature of social policy as a field of academic and applied activity.
Prerequisite: SOCW 2060, SOCW 2120, SOCW 3000, admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4020
Social Work Field Practice (P) *9 credits (0,1,18)*

Students apply ethics, theory, and research to social work practice while developing professional practice skills. This course is completed at the end of the student's studies in the Bachelor of Social Work degree program and develops analytic and practical abilities sufficient to begin professional practice. The practicum is a structured educational experience that includes specific learning objectives; professional supervision is provided in an evaluative, disciplined, and reflective manner. Through seminar discussions, students analyze inequality, injustice, and oppression in practice. This practicum is normally completed four days a week, includes a seminar, and is a total of 432 hours.
Prerequisite: 4th year standing and a minimum of 45 social work credits including SOCW 3040

SOCW 4030
Generalist Social Work Practice *3 credits (3,0,0)*

Students strengthen their understanding of generalist social work practice and problem solving approaches, heighten their ability to recognize and grapple with ethical dilemmas, and think critically about their own conceptual and philosophical orientation to social work practice.
Prerequisite: SOCW 2060, SOCW 2120, SOCW 3010, SOCW 3040, SOCW 3060, SOCW 3070, SOCW 3530 and with a minimum standing grade of C or better in all required courses and a minimum of 30 social work credits.

SOCW 4040
Ethical Practice in Aboriginal Communities
3 credits (3,0,0)

Students focus specifically on ethical considerations and decision making when working in Aboriginal communities. The course examines codes of ethics in the social work profession, Aboriginal codes of ethics, and mainstream theoretical aspects of ethical practices. Students are also provided an opportunity to engage in an exploration of integrated, personal, and ethical practices that are culturally based through validation and revitalization of Aboriginal codes of ethics.
Prerequisite: SOCW 2060 and SOCW 2120

SOCW 4200
Family Violence and Social Work Practice
3 credits (3,0,0)

Students are introduced to social work practice with individuals, families, and communities in response to violence in adult intimate relationships. Students explore family violence and social work practice from a variety of perspectives, including cross-cultural, international, Aboriginal, and feminist. This course emphasizes a social work practice approach that is community-based, culturally sensitive, feminist, and anti-oppressive. In this course, family violence is understood as violence in adult intimate relationships, including same-sex couples. Additional topics include family violence in Aboriginal communities, children who witness violence, and violence during dating.
Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4300
Sexual Orientation and Gender Expression
3 credits (3,0,0)

Students are introduced to interpersonal and systemic issues that sexually diverse and gender varied people encounter on a daily basis. Policies, legislation, and social contexts are analyzed with a view to understanding the impact of intersecting oppressions and privileges on sexual and gender minorities. Students discuss social work strategies to support and advocate for gay, lesbian, bisexual, trans-identified, two-spirit, intersex, queer, and questioning (GLBTTsIQQ) people, plus their families and communities, including courses of action for being an ally.
Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4400
Social Work and Mental Health *3 credits (3,0,0)*

Students are introduced to the practice of social work in the field of mental health by critically examining historical and contemporary theoretical perspectives on mental illness, Canadian mental health law and policy, cultural and diversity aspects, classification and treatment, ethical issues, and an exploration of additional selected mental health issues. Students are presented with the personal accounts of individuals who have experienced mental health problems. The course is intended to provide introductory foundational knowledge in the field of mental health, rather than advanced knowledge and skills that are required for mental health practice.

Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4500
Leader Practice in Social Service Organizations
3 credits (3,0,0)

Students are provided with a critical introduction to leadership in social service organizations, and review organizational theory and its application to government and non-profit organizations. Leadership in a diverse workplace, program development, budgeting, staff appraisal, supervision, and work with voluntary boards are also discussed. Through experiential learning methods, students explore the key organizational skills that are necessary for effective leadership in organizations.
Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4520
Educating for Social Change *3 credits (3,0,0)*

Students focus on the use of education as a strategy for individual and social change through the concept of education as the practice of freedom, and as a process of social transformation through conscientization. Principles and practices of adult education are examined for their application in social work as vehicles for empowerment and change. Students present workshops, plays, or web programs to develop the specific skills and knowledge for planning and delivering educational programs. Students further explore feminist, Aboriginal, and anti-oppression perspectives.
Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4540
Aboriginal Decolonizing Social Work Practice
3 credits (3,0,0)

Students examine social workers' roles and responsibilities in working with diverse Aboriginal peoples such as First Nations, Inuit, Metis, and on and off reserve peoples. The concept and process of decolonization is introduced and connected to contemporary stories, community social work program initiatives, and practices of Aboriginal peoples. This course utilizes a gendered Aboriginal perspective and explores strategies for reconciliation, building relationships between Aboriginal and non-Aboriginal peoples, and practices within the social work profession.
Note: Students must maintain a grade of C or better to successfully complete the course
Prerequisite: SOCW 2060 and SOCW 2120 and SOCW 3540 and admission to the Bachelor of Social Work program, or permission of the program coordinator.

SOCW 4550
Social Work Practice with Communities *3 credits (3,0,0)*

Students explore the construction of community and analyze marginalization, exclusion, and oppression in communities. The course outlines social work roles as well as strategies for change in diverse communities. The history, philosophy, models, and methods of social practice with communities are described.
Prerequisite: SOCW 2060 and SOCW 2120 and SOCW 3060 and admission to the Bachelor of Social Work program or or permission of the program coordinator.

SOCW 4560
Decolonizing Practice 2 *3 credits (3,0,0)*

This course centres on the revival and renewal of indigenous philosophies as they relate to social work practice. Students apply their knowledge and skills to issues related to ceremony, family systems, art, language, and storytelling to reaffirm and revitalize indigenous ways of knowing and being in order to challenge oppression.
Prerequisite: SOCW 2060 and SOCW 2120

SOCW 4600
Special Topics in Social Work and Social Welfare
3 credits (3,0,0)

Students explore special issues in social welfare and various approaches to social work practice. This variable content course is restricted to students in third or fourth year.
Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4610
Social Work Practice with Groups *3 credits (3,0,0)*

Students are introduced to the historical development of the use of groups in social work practice, and examine the various theoretical approaches to group work including anti-oppression, feminist, and Aboriginal perspectives. Students examine the use of groups as vehicles for treatment, task accomplishment, self-help, mutual aid, community intervention, peer supervision, and professional association. This course provides an opportunity to understand the stages of group development, and to practice skills related to group processes. Students participate in structured group experiences.

Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4650
Older People, Aging, and Society *3 credits (3,0,0)*

This course is an introduction to working with and on behalf of older people from an anti-oppression and inter-disciplinary perspective. Students examine age in relation to other identity factors, such as race, ethnicity, class, gender, (dis)ability, faith, sexual orientation, aboriginal ancestry, and marital status. Students consider issues affecting older adults locally and globally; critically examine beliefs and attitudes related to aging and older people--our own and those of others; and develop a framework for anti-oppression practice with older people. Students discuss policy, practice, and research issues within the field of aging, and focus on structural inequalities in later life and the voices of older people.
Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4660
Addictions and Social Work Practice *3 credits (3,0,0)*

This course is designed to give students an introduction to substance misuse as well as compulsive and addictive behaviour. Major addiction theories are examined, and the role of social work is explored. Substance abuse and other addictive behaviours in relation to cultural minorities, youth, and older adults are examined. Students acquire knowledge of the local network of available services and resources. This course fosters a critical perspective on legal issues and government policy regarding addictive substances.
Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work students program or permission of the be program coordinator.

SOCW 4760
Family and Child Welfare Policy *3 credits (3,0,0)*

Students critically examine family and child welfare policy and practice issues. The conceptual framework of this course includes an overview of ideological influences and stresses the importance of a gender, race, and class analysis of family and child welfare issues and practice in Canada.
Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4770
Social Work Practice with Families *3 credits (3,0,0)*

Students explore social work practice within contemporary families with diverse structures and backgrounds. Utilizing a variety of theoretical perspectives, including anti-oppression, feminist, and Aboriginal, students develop an understanding of families within a social, cultural, economic, and political context, and examine ethical and practice issues commonly encountered in social work practice with families. Through class discussion, assignments, and experiential exercises, students develop skills and integrate theory and practice.
Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4780
Introduction to Disability Studies *3 credits (3,0,0)*

Students examine perspectives on disability, race, gender, and class, as well as critically analyze current theories, policies, and practice. Students are introduced to issues affecting people with disabilities within a framework of human rights, citizenship, and inclusion. This course also engages students in an examination of their own beliefs and attitudes about disability, and emphasizes knowledge required for anti-ableist practice. Significant events and the contributions of pioneers in the disability rights movement are explored. The roles and perspectives of people with disabilities, their family members, and professionals are considered in relation to social work values, theory, policy, and practice.
Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4800
International Social Work *3 credits (3,0,0)*

Students are introduced to the field of international social work. Current global social welfare issues and challenges are critically explored and discussed, including global Indigenous issues and development approaches of different countries. Students complete an in-depth examination of the economic, political, social, and cultural dimensions of globalization. Implications for international social work and its social justice and anti-oppressive mandate are analyzed by addressing complex global issues such as disaster relief and humanitarian aid, human trafficking, and forced migration of people. The impact of political, social, economic, cultural, religious, and environmental influences on human rights, social and economic justice, social policies, and service delivery are explored. The role of social work in facilitating international social development is examined in local and global contexts.

Prerequisite: SOCW 2060 and SOCW 2120 and admission to the Bachelor of Social Work program or permission of the program coordinator.

SOCW 4900
Directed Studies *3 credits (3,0,0)*
This independent study course is designed to allow students the opportunity to investigate a specific issue within a field or topic in social work such as gerontology, mental health, sexual assault or corrections. Consultation with, and permission of, a faculty member and the Associate Dean is required.
Prerequisite: Consultation with, and permission of, a faculty member and the Associate Dean is required.

SPAN 1110
Introductory Spanish 1 (L) *3 credits (3,0,1)*
This course allows beginners to develop cultural knowledge and communication skills in speaking, listening, reading, and writing in modern standard Spanish. Upon successful completion, students are expected to demonstrate a CEFR A1 level of proficiency.
Exclusion: Students who have completed Spanish in Grade 11 or equivalent within the last two years may not take this course for credit unless approved by Modern Languages.

SPAN 1210
Introductory Spanish 2 (L) *3 credits (3,0,1)*
This course builds upon skills acquired in SPAN 1110: Introductory Spanish 1. Upon successful completion, students are expected to demonstrate a CEFR A1+ level of proficiency.
Prerequisite: SPAN 1110 or equivalent.
Exclusion: Students who have completed Spanish in Grade 11 or equivalent within the last two years may not take this course for credit unless approved by Modern Languages.

SPAN 2110
Intermediate Spanish 1 (L) *3 credits (3,0,1)*
Students continue to develop their communication skills in speaking, listening, reading, and writing, and explore language from a variety of different areas, registers, and periods. Upon successful completion, students are expected to demonstrate a low CEFR A2 level of proficiency.
Prerequisite: SPAN 1210 or equivalent

SPAN 2150
Oral Spanish 1 (L) *3 credits (3,0,1)*
This course, conducted in Spanish, is designed to enhance oral communicative skills. Students review grammar and expand their vocabulary. A variety of activities are aimed at enabling the student to progress to a superior level of fluency. Upon successful completion, students are expected to demonstrate a CEFR B1+ - B2 level of proficiency.
Prerequisite: SPAN 2210 or equivalent
Exclusion: Native speakers of Spanish may not take this course for credit.
Corequisite: SPAN 2110 and SPAN 2210, SPAN 2150 and SPAN 2250
Recommended: Students are encouraged to take SPAN 2110/2210 and SPAN 2150/2250

SPAN 2210
Intermediate Spanish 2 (L) *3 credits (3,0,1)*
Students solidify their skills and extend their knowledge of the Spanish language while being introduced to increasingly advanced language structures. Upon successful completion, students are expected to demonstrate an intermediate CEFR A2 level of proficiency.
Prerequisite: SPAN 2110 or equivalent.

SPAN 2250
Oral Spanish 2 (L) *3 credits (3,0,1)*
This course is a continuation of SPAN 2150: Oral Spanish 1. Upon successful completion, students are expected to demonstrate a CEFR B2 level of proficiency.
Prerequisite: SPAN 2150 or instructor's approval.
Exclusion: Native speakers of Spanish may not take this course for credit.
Corequisite: Students are encouraged to take SPAN 2110/2210 and SPAN 2150/2250 concurrently.

SPAN 2500
Spanish for Business 1 (L) *3 credits (3,0,1)*
This course provides a basic foundation in Spanish vocabulary and discourse related to functional business areas. Students practice writing commercial documents in Spanish, while focusing on business topics, business vocabulary, and grammar points. Reading, writing, speaking, and listening tasks are completed in a business or commercial context. Students also concentrate on cross-cultural communication between Latin America, Spain, and North America.
Prerequisite: SPAN 1210 or equivalent.

SPAN 2510
Spanish for Business 2 (L) *3 credits (3,0,1)*
This course is a continuation of SPAN 2500: Spanish for Business 1. This course provides a basic foundation in vocabulary and discourse related to functional business areas. Students practice writing commercial documents in Spanish, while focusing on business topics, business vocabulary, and grammar points. Reading, writing, speaking and listening exercises are completed in a business or commercial context. Students also concentrate on cross-cultural communication between Latin America, Spain, and North America.
Prerequisite: SPAN 2500 or equivalent

SPAN 3010
Studies in Hispanic Literature 1 *3 credits (4,0,0)*
This course, conducted in Spanish, surveys representative works of literature from Spain and Spanish America from the beginning of the twentieth century to the present. Students examine the relation between literature and other disciplines, as they are presented with basic tools and techniques of research and criticism related to Hispanic literature.
Prerequisite: SPAN 2110 and SPAN 2210 or equivalent

SPAN 3020
Studies in Hispanic Literature 2 *3 credits (4,0,0)*
Continuing from SPAN 3010: Studies in Hispanic Literature 1, this course, conducted in Spanish, is a survey of representative works of literature from Spain and Spanish America, from the beginning of the twentieth century to the present. Students examine the relationship between literature and other disciplines, as they are presented with basic tools and techniques of research and criticism related to Hispanic literature.
Prerequisite: SPAN 3010 or equivalent.

SPEE 1500
Speech Communications *3 credits (3,0,0)*
This is a performance-oriented course designed to present students with a study of the oral communication process, and the presentational skills required in the preparation of effective oral communications.

SPEE 2500
Professional Presentations *3 credits (3,0,0)*
This course presents the communication skills necessary to plan and conduct presentations effectively. A wide range of presentation skills are developed and practiced in the course, including introductions, advocacy, informational sessions, public readings, demonstration skills, and interviewing.
Prerequisite: 3 credits of English, Communications or Journalism or permission of the department chair.

STAT 1200
Introduction to Statistics *3 credits (3,1,0)*
This course is for non-science students who require an introduction to statistical reasoning. Topics include: descriptive statistics; correlation and regression; normal and binomial distributions; sample and experimental design; chi-square distribution; and hypothesis testing.
Prerequisite: Foundations of Math 11, or Pre-calculus Math 11, or equivalent; or Principles of Math 11, or Applications of Math 12, or equivalent; or MATH 0510, or MATH 523, or equivalent
Recommended: MATH 1100 or MATH 1101
Exclusion: Students may normally receive credit for only one of the following: BIOL 3000, BUEC 2320, MATH 1200, PSYC 2100, SOCI 2710, SOCI 3710, STAT 1200, STAT 2000, STAT 1201

STAT 2000
Introduction to Statistics *3 credits (3,1,0)*
This course is for science and forestry students who require an introduction to probability and statistical reasoning. Topics include: descriptive statistics; correlation and regression; probability; probability distributions; binomial and normal distributions; sample and experimental design, chi-square distribution, hypothesis testing, and analysis of variance. Applications in science and forestry are emphasized.
Prerequisite: MATH 1140 or equivalent first semester of calculus
Exclusion: Students may normally receive credit for only one of the following: BIOL 3000, BUEC 2320, MATH 1200, PSYC 2100, SOCI 2710, SOCI 3710, STAT 1200, STAT 2000, STAT 1201

STAT 3050
Introduction to Statistical Inference *3 credits (3,1,0)*
This course examines the theory behind statistical inference. Topics include a review of probability theory, sampling distributions, and methods of estimation and hypothesis testing. Methods such as maximum likelihood estimation, bootstrapping, Bayesian methods, likelihood ratio testing, and confidence interval construction are emphasized.

Prerequisite: STAT 2000 and MATH 3020

STAT 3060
Applied Regression Analysis *3 credits (3,1,0)*
This course concentrates on the applications rather than the theory of regression analysis. Topics include residual analysis, diagnostics, transformations, model selection and checking, weighted least squares and nonlinear models. Additional topics may include are inverse, robust, ridge and logistic regression.
Prerequisite: MATH 2120, STAT 2000

STAT 3990
Select Topics in Statistics *3 credits (3,1,0)*
Students consider, in depth, a selection of topics drawn from Statistics. The particular topics may vary each time the course is offered.
Prerequisite: STAT 2000 and a minimum of 3 credits of MATH or STAT at the 2000-level or higher or permission of the instructor

STAT 4040
Analysis of Variance *3 credits (3,1,0)*
Students discuss the analysis of variance for standard experimental designs. Topics include single factor designs, fixed and random effects, block designs, hierarchical designs, multiple comparisons, factorial designs, mixed models, general rules for analysis of balanced designs, and analysis of covariance.
Prerequisite: STAT 3060

STAT 4980
Directed Studies in Statistics *3 credits (3,0,0)*
Students undertake an investigation on a specific topic, as agreed to by the faculty member and the student.
Prerequisite: Permission of the instructor.

STAT 4990
Select Topics in Statistics *3 credits (3,1,0)*
Students consider, in depth, a selection of topics drawn from Statistics. The particular topics may vary each time the course is offered.
Prerequisite: At least two of the following courses: MATH 3020, MATH 3030, STAT 3050, STAT 3060 or Permission of the instructor

STSS 1030
Student Success & Study Skills *1 credit (1,0,0)*
This one-credit university course focuses on enhancing students' study and learning skills. It is theory based and experiential in nature. Students are given opportunities to learn and apply strategies and practical skills in time management, research, memorization, reading, note-taking and test-taking, which promotes their academic success at TRU and establishes a framework for life-long learning.
Prerequisite: Students must meet the language requirements of Thompson Rivers University.

STSS 1040
Student Success and Wellness *1 credit (1,0,0)*
This one-credit university course is designed to enhance students' wellness, and improve critical thinking and problem- solving skills. Students learn how to utilize available resources and strategies to help them maintain a healthy balance in their lives academically, physically, emotionally, and financially. Through facilitation, group discussion and reflection, students learn to adopt methods for maintaining this balance.
Prerequisite: Students must meet the language requirements of Thompson Rivers University.

STSS 1050
Student Success and Communication *1 credit (1,0,0)*
This one-credit university course introduces the communication skills required in an academic environment. Students learn and apply a variety of techniques to improve their public speaking, listening skills, and interpersonal communication. Students discuss a variety of topics including communication styles, social media, and diversity.
Prerequisite: Students must meet the language requirements of Thompson Rivers University.

STSS 1060
Intercultural Learning Perspectives *1 credit (1,0,0)*
In this one-credit university course, students build skills for effective intercultural communication and participation in diverse groups. Through a number of interactive self-assessments, students learn to assess their own personalities and preferred methods of communication before building an understanding of different communication models from a variety of cultures. In this course, students have an opportunity to develop the intercultural competence necessary for learning and working in today's world.
Prerequisite: Students must meet the language requirements of Thompson Rivers University, or receive permission from the department.

STSS 1070
Perform to Academic Standards *1 credit (1,0,0)*
In this one-credit university course, students from all disciplines have the opportunity to practice and improve fundamental academic skills that are required in post-secondary education. Students gain a solid understanding of university standards around academic integrity and of the issue of plagiarism. In addition, students learn how to improve their research skills in a library setting and how to critically engage with research material. Citation skills are also introduced, including how to reference, quote from, and paraphrase academic works. Finally, this course familiarizes students with useful strategies to formulate and develop strong arguments, a critical skill for upper-level courses.
Prerequisite: Students must meet the language requirements of Thompson Rivers University, or receive permission from the department.

TESL 3010
Curriculum and Instruction *3 credits (3,0,0)*
This course emphasizes the development and practical application of ESL teaching methodology. Topics include curriculum design; lesson planning; techniques for teaching reading, writing, listening, and speaking; evaluation; and assessment.
Prerequisite: Admission to the TESL program
Corequisite: TESL 3020, TESL 3030, TESL 3040

TESL 3020
Pedagogical Grammar *3 credits (3,0,0)*
This course focuses on developing knowledge about the English language system in relation to grammar and the factors affecting second language learning. Topics include comparative grammars, inter-language awareness, and micro and macro skills related to grammar.
Prerequisite: Admission to the TESL program
Corequisite: TESL 3010, TESL 3030, TESL 3040

TESL 3030
Intercultural Communication Studies *3 credits (3,0,0)*
This course enables students to gain a better awareness and understanding of culture and values, including a definition of what they are and how they impact the ESL classroom. Students participate interactively while they examine theoretical models and perspectives in the field of intercultural communication.
Prerequisite: Admission to the TESL program
Corequisite: TESL 3010, TESL 3020, TESL 3040

TESL 3040
TESL Techniques *3 credits (3,0,0)*
This course is an introduction to selected studies in current ESL teaching techniques used in teaching various ESL disciplines and contexts. The course is divided into three modules: second language acquisition theory, pronunciation, and assessment. In addition, the use of digital technology is explored. Students must successfully complete all 3 modules to receive credit for this course.
Prerequisite: Admission to the program
Corequisite: TESL 3010, TESL 3020, TESL 3030

TESL 3050
TESL Practicum *3 credits (3,0,2)*
The practicum is designed to prepare and support student-teachers throughout their classroom experience. Students plan and deliver lessons, discuss classroom management strategies, and reflect on their practicum sessions.
Prerequisite: Admission to the TESL program, TESL 3010, TESL 3020, TESL 3030, TESL 3040
Corequisite: TESL 3010, TESL 3020, TESL 3030, TESL 3040

THTR 1000
Theatre Appreciation: From Page to Stage *3 credits (3,0,0)*
This course is designed to enhance students' understanding and appreciation of today's theatre. Students read contemporary scripts selected from the current season of Western Canada Theatre and Actors Workshop Theatre, watch film versions of plays and attend live theatre performances.

THTR 1100
Introduction to Theatre 1 *3 credits (3,0,0)*
A lecture and discussion-oriented course designed to acquaint students with the various aspects of the theatrical process such as acting, playwrighting, directing and designing. Students discuss theatre history, theory and criticism. Students are required to participate in practical projects and expected to attend local professional theatre productions.

THTR 1110

Introduction to Acting *3 credits (3,1,0)*

This is a performance-oriented course designed to help students develop the basic requirements necessary for a dramatic presentation. The course focuses on stage movement, vocal training, improvisation, character development and portrayal.

THTR 1200

Introduction to Theatre 2 *3 credits (3,0,0)*

Continuing from THTR 1100, this lecture and discussion-oriented course is designed to further explore the various aspects of the theatrical process such as acting, playwrighting, directing and designing. Students continue an in-depth discussion of theatre history, theory and criticism. Students are required to participate in practical projects and expected to attend local professional theatre productions.

Prerequisite: THTR 1100, or permission of the instructor.

THTR 1210

Introduction to Acting 2 *3 credits (3,1,0)*

A continuation of the work begun in THTR 1110, this course focuses on the analysis and development of character portrayal. An emphasis is placed on students working with a script and studying the actor's role in the performance situation.

Prerequisite: THTR 1110 or instructor's written consent

THTR 1500

Play Production 1 *3 credits (1,0,8)*

This course is designed for students who have auditioned and been cast in a TRU Actors Workshop stage production. Students rehearse and perform, for public presentation, the play that is staged in the appropriate semester.

Prerequisite: Successful audition for a TRU Actors Workshop Production.

THTR 2110

Acting & Character Portrayal *3 credits (3,1,0)*

In this intermediate performance course, committed acting students further develop and polish the skills associated with the onstage presentation of completely drawn characters. Students analyze and practice the necessary techniques to effectively present character portrayals from the contemporary theatre. Exploration includes character and scene analysis, drama, comedy, and monologues.

Prerequisite: B- or better in THTR 1110/1210 or instructor's written consent

THTR 2120

Introduction to Theatre Production 1 *3 credits (1,1,3)*

A hands-on practical course designed to introduce students to the elementary principles of scenery and properties construction; stagecraft, lighting, electrical and audio operations, and costume construction.

THTR 2210

Acting & Character Portrayal 2 *3 credits (3,1,0)*

In this intermediate performance course, a continuation from THTR 2110, committed acting students further develop and polish the skills associated with the onstage presentation of completely drawn characters. Students analyze and practice the necessary techniques to effectively present character portrayals from the contemporary theatre. Exploration includes character and scene analysis, drama, comedy, and monologues.

Prerequisite: THTR 2110 or instructor's written consent

THTR 2220

Introduction to Theatre Production 2 *3 credits (2,2,0)*

Continuing from THTR 2120, this course is a hands-on practical course designed to introduce students to the elementary principles of scenery and properties construction; stagecraft, lighting, electrical and audio operations, and costume construction. In addition, students are introduced to stage management.

Prerequisite: THTR 2120 or instructor's written consent

Exclusion: Credit cannot be given for both THTR 1120/1220 and 2120/2220

THTR 2310

Acting for the Camera *3 credits (4,0,0)*

This is an introductory course in the basic techniques of acting for the camera. There will be lectures, demonstrations, and screenings. Students will be required to participate in class scene work as well as in rehearsals outside class to prepare taped scenes for evaluation.

THTR 2500

Play Production 2 *3 credits (1,0,8)*

Play Production is designed for students who have auditioned and been cast in a TRU Actors Workshop stage production. Students rehearse and perform for public presentation the play that is staged in the appropriate semester.

Prerequisite: Successful audition for a TRU Actor's Workshop Production.

THTR 3110

History of Theatre to the Renaissance *3 credits (3,0,0)*

This course examines cultural performance practices in tribal, ritual, popular, and formally theatrical contexts, from ancient times, including the classical Greek and Roman eras, to the middle ages and renaissance. Also explored is the transformation of ancient performative genres into modern performance practices, as well as the definition of cultural performance as a useful, critical term.

THTR 3120

History of Theatre from Renaissance to 1800

3 credits (3,0,0)

This course examines cultural performance practices in the Elizabethan, Restoration, and Eighteenth-Century contexts. Also explored is the transformation of these performative genres into modern performance practices, as well as the definition of cultural performance as a useful, critical term.

THTR 3210

History of Modern Theatre, 1700 to the Early Twentieth Century

3 credits (3,0,0)

Students examine selected major theatrical figures and movements from the Enlightenment to the early twentieth century, as they represent and comment upon their particular cultures. Students also explore theoretical concepts such as modernism and postmodernism as they derive from and inform the study of theatre in its socio-critical context.

THTR 3220

History of Modern Theatre in the Twentieth Century

3 credits (3,0,0)

Students explore selected major theatrical figures and movements in the modern period, as they represent and comment upon their particular cultures. Students also study theoretical concepts within this course, such as postmodernism, as they derive from and inform the study of theatre. Special emphasis is placed on the latter decades of the twentieth century.

THTR 3230

Advanced Theatre Production 1 *3 credits (2,2,0)*

An advanced, practical course exploring direction and coordination of technical theatre elements such as lighting, sound, costumes, props and set that were introduced in THTR 2120 and THTR 2220. This course will include practicum work associated with all Actor's Worshop Theatre productions.

Prerequisite: THTR 2120, THTR 2220

THTR 3240

Advanced Theatre Production 2 *3 credits (2,2,0)*

An advanced, practical course building on Advanced Theatre Production 1. This course further explores direction and coordination of technical theatre elements such as lighting, sound, costumes, props and set. This course will include practicum work associated with all Actors Workshop Theatre productions.

Prerequisite: THTR 3230

THTR 3270

History of Canadian Theatre after 1950 *3 credits (3,0,0)*

This course is a survey of the major theatrical events in Canada, with emphasis on the modern period of the last five decades. Students consider selected topics from British Columbia and local theatre.

THTR 3410

Design for the Theatre 1 (P) *3 credits (2,0,2)*

In this practical course, students explore the basic principles and techniques of design for the theatre including set, props, lighting and costume. This course includes practicum work associated with all Actors Workshop Theatre Productions.

THTR 3420

Design for the Theatre 2 (P) *3 credits (2,0,2)*

In this practical course, students explore the basic principles and techniques of design for the theatre such as set, props, lighting and costume, and includes practicum work associated with all Actors Workshop Theatre Productions. This course is a continuation of THTR 3410.

Prerequisite: THTR 3410

THTR 3500

Play Production 3 (P) *3 credits (1,0,8)*

Play Production is designed for students who have auditioned and been cast in a TRU Actor's Workshop stage production. Students rehearse and perform for public presentation the play that is staged in the appropriate semester.
Prerequisite: Successful audition for a TRU Actors Workshop Production.

THTR 3600
The Role: Interpretation & Characterization 1
3 credits (2,2,0)(2,2,0)
This upper division acting course emphasizes externalizing the inner character in conjunction with work in textual analysis, improvisation and internal techniques. THTR 3600 students work with student directors where they learn and practice the role of the actor in a formal rehearsal setting.
Prerequisite: THTR 2110/2210

THTR 3700
Effective Public Speaking ***3 credits (4,0,0)***
This course is an experiential study of the principles and performance requirements necessary for effective public speaking through various literary styles, with an emphasis on audience, purpose and message.

THTR 3800
Voice for the Stage ***3 credits (2,2,0)***
A performance oriented course designed to further develop an approach for the establishment of a personal vocal production technique designed for the demands of stage performance. Areas of study include breath, alignment, various vocal elements as well as the basics of speech.
Prerequisite: B- or better in THTR 1110 and 1210 or permission from the instructor

THTR 3990
Selected Topics in Theatre ***3 credits (2,2,0)***
This is a variable content course that will change from semester to semester. Normally, the themes that are addressed will be ones which complement or lie outside regular program offerings. Students will engage in diverse, practice-based approaches to productions. Areas of study may include business of acting, musical theatre, devised theatre, technical design, and stage combat.
Prerequisite: Permission from the Theatre Program Coordinator

THTR 4000
Direction & Staging 1 **3** ***credits (3,2,0)(3,2,0)***
A study of the processes of stage direction and the development of a method for transferring the script to the stage. THTR 4000 students work with student actors where they learn and practice the role of the director in a formal rehearsal setting.
Prerequisite: THTR 3600

THTR 4250
The Theatre of British Columbia Before 1950
3 credits (3,0,0)
This course examines the diverse performance cultures of British Columbia before 1950 – including aboriginal and settler, urban and rural, traditional and non-traditional, and popular and professional – as they assert and negotiate local, changing identities. Students are expected to develop their own primary research projects based on personal interests. The work in this course is studied within a postcolonial critical perspective.

THTR 4260
The Theatre of British Columbia After 1950
3 credits (3,0,0)
This course examines the diverse performance cultures of British Columbia after 1950; including aboriginal and settler, urban and rural, traditional and non-traditional, popular and professional; as they assert and negotiate local, changing identities. Students are expected to develop their own primary research projects based on personal interests. The work in this course is studied within a postcolonial critical perspective.

THTR 4300
Studies in Performance Theory ***3 credits (3,0,0)***
This is a course in critical approaches to performance ; particularly as performance is increasingly used in recent years to describe a wide range of activities in the performing and visual arts, literature, and social sciences. The course focuses on selected examples of performance, mainly from the twentieth century – for example, the works of Dada, Off-Off Broadway, performance art, and Butoh; as well as contemporary works in ritual and paratheatre. Concepts such as mimesis, performativity, semiotics, and postmodern representation are typically studied, while performers, writers, artists, and directors from students own interests are considered.

THTR 4450
Theatre and Community Action ***3 credits (3,0,0)***
Theatre companies are turning to theatrical performances that engage their local communities in ways far beyond entertainment. This course explores the roots of what some call "applied theatre" as well as key genres of theatre based on community action. Historical origins as well as contemporary examples of community-based theatre in Canada and abroad are considered. Students are expected to conduct primary research into the vision and practice of one of these groups and also to design and implement a small-scale project in a community-based performance of their own.
Prerequisite: Upper level standing.

THTR 4500
Play Production 4 (P) ***3 credits (1,0,8)***
Play Production is designed for students who have auditioned and been cast in a TRU Actor's Workshop stage production. Students rehearse and perform, for public presentation, the play that is staged in the appropriate semester.
Prerequisite: Successful audition for a TRU Actors Workshop Production

THTR 4600
Acting Styles1 **3** ***credits (2,2,0)(2,2,0)***
This course examines 2 classic scripts and the eras in which they were written, through performance and dramaturgy, in order to comprehensively study select styles of acting from significant periods in history.
Prerequisite: THTR 3600

THTR 4900
Directed Studies - Special Topics in Theatre Arts
3 credits (3,0,0)
This course is designed for theatre majors in their final year of studies. Students are provided an opportunity to work on a special topic in Theatre Arts with an individual Theatre Arts faculty member. Topics may include history, theory, criticism, performance, and technical theatre studies.
Prerequisite: Restricted to Theatre Majors in their final year of studies and faculty member approval following a written proposal

TMGT 1000
Tour Coordinator (TOCO) Field Trip
Required for all students in the Tour Coordinator Certificate Program, this course offers an opportunity for students to better understand concepts discussed in the classroom by exposure to their application in industry.

TMGT 1010
Tour Guiding ***3 credits (2,1,1)***
An introduction to the principles and practices of tour guiding for those interested in a career as a tour guide, tour director or tour coordinator. Through classroom instruction, seminars and field work, students will be introduced to the major aspects of tour guiding: public speaking; interpretation; tour commentary research and delivery; and social and leadership skills.
Required Lab: TMGT 1010L
Required Seminar: TMGT 1010S

TMGT 1020
Cultural, Heritage, and Nature Interpretation
3 credits (2,0,2)
This course develops skills in cultural, heritage and nature interpretation. Through classroom instruction and excursions for fieldwork, students will learn how to help others understand and appreciate cultural and natural heritage.
Required Lab: TMGT 1020L

TMGT 1030
Group Tour Operations 1 ***3 credits (2,1,1)***
An introduction to group tour operations for those wishing to pursue a career as a tour guide or tour coordinator. Through classroom instruction, labs and seminars, students will be introduced to: tour product development and design; itinerary design; tour costing and quotations; brochure production; promotion, and airline computer reservations systems.
Required Lab: TMGT 1030L
Required Seminar: TMGT 1030S

TMGT 1040
Group Tour Operations 2 ***2 credits (35 hours)***
Practical experience of group tour operations through coordinating and guiding an extended group tour. Students will gain hands-on experience in designing, developing, conducting and guiding a sightseeing tour, including preparing a costing, developing an itinerary, delivering tour commentary on-site and conducting a group tour operation through to completion.

TMGT 1050

Travel Destinations ***3 credits (3,0,0)***
An introduction to the major travel destinations of the world, this course will investigate countries and regions from a travel industry perspective, studying historical, cultural and geographical highlights. Topics include the history of various international destinations, activities, climate and seasons for travel, methods of transportation, accommodation available, health advisories, shopping and dining.

TMGT 1110
Introduction to Tourism ***3 credits (3,0,0)***
This course provides an introduction to tourism as an industry and a phenomenon. Topics covered during the semester will include the economic, social, environmental and political environment in which tourism operates at a global and local level. Students will be introduced to tourism products and experiences in B.C. and be given the opportunity to identify career opportunities in the tourism industry.
Prerequisite: Prerequisite: English 12/English 12 First Peoples with a minimum of73% (within the last five years), or Level 4 on the composition section of the LPI (within the last two years), or completion of ENGL 0600, or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better
Exclusion: CONV 1011 is an alternate and equivalent course to TMGT 1110

TMGT 1140
Human Resources Management ***3 credits (3,0,0)***
Changing values, shifting demographics, evolving legislation and a growing emphasis on social responsibility are among the forces shaping the way we manage people today. In this course, students examine human resource management issues as they relate to human resource planning, the legal environment, recruitment and selection, evaluation and development, compensation, and emerging issues and trends in the tourism industry.
Prerequisite: English 12/English 12 First Peoples with a minimum of 73% (within the last five years) or Level 4 on the composition section of the LPI (within the last two years) or ENGL 0600 or ESAL 0570 and with a grade of C+ or better ESAL 0580,with a grade of C+ or better
Exclusion: Students cannot receive credit for both TMGT 1140 (C+ minimum) and HRMN 2820

TMGT 1150
Marketing & Customer Service ***3 credits (4,0,0)***
This course discusses the role, concepts and principles of marketing. It examines market research and planning, product pricing and costing, packaging, promotion, service as a primary product, advertising methods, target marketing, factors in consumer preference and assessment of guest satisfaction.
Prerequisite: English 12/English 12 First Peoples with a minimum of 73% (within the last five years), or Level 4 on the composition section of the LPI (within the last two years), or completion of ENGL 0600, or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better
Exclusion: CONV 1060 is an alternate and equivalent course to TMGT 1150. Students cannot receive credit for both TMGT 1150 (C+ minimum) and MKTG 3430.

TMGT 1160
Organizational Leadership in Tourism ***3 credits (3,0,0)***
This course is designed to address the changes occurring in the workplace today. As many of the graduates of this program will find themselves in supervisory positions within the tourism industry, the course will be delivered from the perspective of a supervisor and how he/she fits into today's organizations.
Prerequisite: Prerequisite: English 12/English 12 First Peoples with a minimum of 73% (within the last five years), or Level 4 on the composition section of the LPI (within the last two years), or completion of ENGL 0600, or completion of ESAL 0570 and ESAL 0580 with a grade of C+ or better
Exclusion: Students cannot receive credit for both TMGT 1160 and ORGB 2810

TMGT 2010
Financial Operations Control in Tourism
3 credits (3,0,0)
This course offers students an understanding of how they can use managerial accounting skills in their careers in the tourism industry. Students use accounting information for decision making, planning and control in the areas of marketing, operations, human resources, strategic investment, business performance evaluation, and budgeting.
Prerequisite: ACCT 1000 or equivalent

TMGT 2060
People, Places and the Toured Landscape
3 credits (3,0,0)
This course provides students with a historical, geographical and cultural context for understanding tourism. Attention is given to the way tourism practices have unfolded over time in various regions of the world, and the way in which visual representation and written narrative shapes the tourism landscape. Global and local themes affecting the tourism product and experience are discussed.
Prerequisite: English 12/English 12 First Peoples with a minimum of 73% (within the last five years), or or Level 4 on the composition section of the LPI (within the last two years), or ENGL 0600 or ESAL 570 and with a grade of C+ or better ESAL 580,with a grade of C+ or better.

TMGT 2080
Culinary Tourism ***3 credits (3,0,0)***
Students are introduced to the concepts and research associated with culinary tourism from an academic and industry perspective. Using global case studies, students review current trends, theories, culinary tourism products and profiles of culinary tourists.
Prerequisite: English 12 /English 12 First Peoples with a minimum of 73% (within the last five years), or or Level 4 on the composition section of the LPI (within the last two years), or ENGL 0600 or ESAL 570 and with a grade of C+ or better ESAL 580,with a grade of C+ or better.

TMGT 2090
Wellness Tourism ***3 credits (3,0,0)***
Tourism supports a process of self-regeneration for the traveler. This course focuses on the development,management and marketing of wellness tourism as a global phenomenon. The concept of wellness implies a holistic understanding of the traveler's body, mind and spirit and the creation of a balance in the different areas of one's life. In this course students examine the history, origins and scope of wellness tourism and the products and services being developed to address this expanding sector of the tourism industry.
Prerequisite: English 12/English 12 First Peoples with a minimum of 73% (within the last five years), or or Level 4 on the composition section of the LPI (within the last two years), or ENGL 0600 or ESAL 570 and with a grade of C+ or better ESAL 580,with a grade of C+ or better.

TMGT 2250
Hospitality Law ***3 credits (3,0,0)***
Students are introduced to the legal rights, responsibilities and obligations of organizations in the hospitality industry. This industry operates under a combination of Common Law and Statute Law passed by both federal and provincial legislature. Emphasis is placed on the legal problems regularly faced by business firms within this industry and their possible solutions.
Prerequisite: English 12/English 12 First Peoples with a minimum of 73% (within the last five years), or or Level 4 on the composition section of the LPI (within the last two years), or ENGL 0600 or ESAL 570 and with a grade of C+ or better ESAL 580 and with a grade of C+ or better 2nd year standing

TMGT 2590
Entrepreneurship ***3 credits (4,0,0)***
This course is designed to introduce students to entrepreneurship. Students examine the role and nature of entrepreneurship as a mechanism for creating new ventures along with career opportunities, and some methods for individual self-assessment. Additional topics include generating ideas for a business venture, opportunity analysis, locating and mobilizing resources, and developing a business plan.
Prerequisite: TMGT 1150 and TMGT 2010 or equivalent

TMGT 2610
Environmental Issues in the Tourism Industry
3 credits (3,0,0)
The rapid growth of tourism on a global scale has resulted in significant negative environmental impacts, and there is increasing concern about the relationship between tourism and the environment, both natural and cultural. This course explores the challenges facing the tourism industry in attempting to create a balance between environmental and economic concerns. The rich history of the conservation movement and development of the national parks system provides a lens through which to understand the foundation of the North American tourism industry. In addition, students examine the current greening of the tourism industry.
Prerequisite: English 12/ English 12 First Peoples with a minimum of 73% (within the last five years), or Level 4 on the composition section of the LPI (within the last two years), or ENGL 0600 or ESAL 570 and with a grade of C+ or better. ESAL 580,with a grade of C+ or better.

TMGT 2980
Special Topics in Tourism **3/*6 credits (3,0,0) or (6,0,0)***
The content in this course varies depending on the interests of faculty and students. Credits for the course are determined as per Policy ED-8-0.
Prerequisite: Permission from the Tourism Management department

TMGT 3010
Community and Cultural Issues in Tourism
3 credits (3,0,0)
Students are introduced to the ways in which cultures meet and interact in tourism settings. Consideration is given to intercultural communications, cross-cultural issues,

and challenges in meeting the needs of both the host community and the guest from a tourism perspective. Students explore the range and diversity of cultural narratives and place-based approaches for developing cultural tourism experiences.
Prerequisite: 3rd year standing in the Bachelor of Tourism Management program
Recommended: TMGT 2610 and/or TMGT 2060

TMGT 3020
Tourism Policy and Planning *3 credits (3,0,0)*
Students are introduced to policy and planning theories and their application to tourism. The relationship between tourism, public policy, planning, and development is also examined.
Prerequisite: 3rd year standing in the Bachelor of Tourism Management program

TMGT 3040
Land Use Management and Tourism *3 credits (3,0,0)*
Students are introduced to the theory and practice of land use planning and management in western Canada. Students review various land use designations that are important to tourism development, the policies and processes for developing commercial recreation on crown land, and various management strategies aimed at optimizing the use of natural areas for quality recreation and tourism experiences.
Prerequisite: 3rd year standing in the Bachelor of Tourism Management program

TMGT 3050
Research in Tourism *3 credits (3,1,0)*
Students engage in the process of conducting and evaluating research in the field of tourism.
Prerequisite: STAT 1200 or equivalent
Exclusion: Students cannot receive credit for both MKTG 3480 and TMGT 3050

TMGT 3980
Special Topics in Tourism 3/*6 credits (3,0,0) or (6,0,0)*
The content in this course varies depending on the interests of faculty and students. Credits for the course are determined as per Policy ED-8-0.
Prerequisite: Permission from the Tourism Management department

TMGT 4010
Tourism Product Development & Innovation
3 credits (3,0,0)
Students will develop advanced capabilities in tourism product development and innovation, through new firm development and within existing organizations amid global competition and culturally diverse markets and workforces.
Prerequisite: TMGT 1150 or equivalent and third-year standing

TMGT 4010
Experience Creation and Product Development
3 credits (3,0,0)
This course deals with the concept of experiences as products and the overall development of new products/services in the tourism field. Students explore the foundations and theories of an "experience-driven" enterprise or economy from both the consumer (tourist) and producer (firm or destination) perspective. Emphasis is placed on undertaking new tourism product inventories to ensure the provision of engaging experiences and vivid memories for guests.
Prerequisite: TMGT 1150 or equivalent and third-year standing

TMGT 4020
Graduating Seminar *3 credits (0,3,0)*
Students conduct research and create a professional presentation of a major project with a direct application to the tourism industry.
Prerequisite: TMGT 3050 and 4th year standing in the Bachelor of Tourism Management program

TMGT 4030
Resort Management *3 credits (3,0,0)*
Students develop an understanding of how and why resort properties are developed as tourist destinations. The focus is on the planning, development, operation, design, financing, and special needs of resort properties.
Prerequisite: 3rd year standing in the Bachelor of Tourism Management program.

TMGT 4040
Tourism and Sustainable Development *3 credits (3,0,0)*
Students examine the social, environmental, economic and political aspects of planning, developing, and sustaining tourism destinations. The major focus is on the benefits and impacts associated with tourism activities, and the importance of planning at the regional and community level.
Prerequisite: 3rd year standing in the Bachelor of Tourism Management program

TMGT 4050
Event Tourism *3 credits (3,0,0)*
This course examines the emerging field of event tourism and identifies market opportunities and trends. Students explore the important role events play in destination marketing and development as catalysts, animators, image makers and tourist attractions. The impact of events on destinations from a economic, cultural and social perspective is also a focus of the course.
Prerequisite: 3rd year standing in the Bachelor of Tourism Management program

TMGT 4060
Selected Topics in Tourism *3 credits (3,0,0)*
Students are introduced to various issues and events that influence the travel and tourism industry. Course topics vary to ensure a timely coverage of issues and trends.
Prerequisite: 3rd year standing in the Bachelor of Tourism Management program

TMGT 4070
Directed Studies in Tourism *3 credits (0,3,0)*
In this independent study course, students investigate a specific field or topic in tourism. Consultation with, and permission of, a Bachelor of Tourism Management faculty member and the Dean is required.
Prerequisite: TMGT 3050 and 4th year standing and permission of the Chair and Dean of the Faculty of Adventure, Culinary Arts and Tourism.

TMGT 4080
Reflecting Philosophically on Tourism *3 credits (3,0,0)*
Students are required to reflect on their tourism knowledge and practice in a deep theoretical and philosophical manner, and examine their own positions and values as future professionals in the tourism field. Drawing largely on classic and contemporary writings in philosophy and social theory outside the tourism canon, students cultivate an understanding of the unquestioned and presumed ideologies that lie behind some of today's most problematic tourism practices. Students are exposed to theoretical and philosophical positions that present an alternative way forward.
Prerequisite: 4th year standing

TMGT 4090
The Culture of Events *3 credits (3,0,0)*
This course chronicles significant events in world history from organizational, communications, and cultural studies perspectives. The history of events, planned or otherwise, is explored from pre-modern, through modern, and post-modern innovations. Students are challenged to match appropriate social theory to various global event phenomenon.
Prerequisite: 3rd Year Standing

TMGT 4100
The Social Side of Tourism *3 credits (3,0,0)*
Travel is intertwined with issues of personal identity and growth, cultural beliefs and values, power, and social change. Students explore these issues, and more, in the search for a deeper understanding of the phenomenon of tourism and its consequences for individuals and societies.
Prerequisite: 3rd year standing in the Bachelor of Tourism Management program

TMGT 4110
Innovation and Leadership in Tourism *3 credits (3,0,0)*
Students are introduced to theories, definitions and categorizations of innovation, including the precondition of commercial value production as a tourism business concept. The roles of leadership and organizational culture in innovation are also examined, including styles, techniques, personality profiles, and examples or cases from applications in tourism and other modern enterprises.
Prerequisite: TMGT 1150 and 3rd year standing in the Bachelor of Tourism Management program

TMGT 4120
Developing New Tourism Enterprises *3 credits (3,0,0)*
Building upon the foundation laid in TMGT 4010: Experience Creation and Product Development, this course guides students through the process of conceiving and planning a new tourism business. Topics include evaluating business opportunities and start-up strategies, resource requirements for a new business, financing new ventures, and the business start up process.
Prerequisite: TMGT 1150 or equivalent, ACCT 1010, or equivalent, and 3rd year standing in the Bachelor of Tourism Management program
Exclusion: Students cannot receive credit for both TMGT 4120 and ENTR 4750

TMGT 4130
Tourist Behaviour *3 credits (3,0,0)*
Students explore the determinants that shape tourist behaviour, including travel and tourism motivations; destination choice; personality and psychographics; the tourist decision process; the tourist experience; and post experience behaviour. Using both a

theoretical and applied approach, students examine how and why people purchase and consume travel and tourism products.
Prerequisite: TMGT 1150 andor equivalent 3rd year standing in the Bachelor of Tourism Management program

TMGT 4140
Tourism Strategy *3 credits (3,0,0)*
Students explore strategic management and planning in a tourism context. Using both a theoretical and practical approach, students examine the concepts of strategic planning and competitive strategy and how they can be successfully applied by tourism organizations in an increasingly complex and global tourism environment.
Prerequisite: TMGT 1150 and/or equivalent 3rd year standing in the Bachelor of Tourism Management program
Exclusion: Students cannot receive credit for both TMGT 4140 and MKTG 4460

TMGT 4150
Managing Small Tourism Enterprises *3 credits (3,0,0)*
Students examine the environment of small tourism firms and the unique challenges of management both in growth?oriented and small 'lifestyle' tourism firms. The focus is on formulating and developing strategies that allow these firms to thrive in this dynamic and highly competitive environment.
Prerequisite: TMGT 1150 and/or equivalent 3rd year standing in the Bachelor of Tourism Management program
Exclusion: Students cannot receive credit for both TMGT 4150 and ENTR 4760

TMGT 4160
Tourism in a Global Environment *3 credits (3,0,0)*
Students examine tourism and its dynamics from a global perspective. Specifically, students develop a thorough understanding of tourism as an economic, political, social, cultural and environmental force on the world stage, the impacts of this influence, and the strategies that tourism businesses can adopt to thrive in this environment.
Prerequisite: 3rd year standing in the Bachelor of Tourism Management program

TMGT 4170
Information Technology and Tourism *3 credits (3,0,0)*
Students examine the relationship between information technology (IT) and tourism from both a consumer and organizational perspective. Specifically, the course encourages students to critically evaluate current and emerging developments in IT and their impact on tourism consumers and suppliers. Students also develop an understanding of how IT can be used to facilitate and promote innovation and support the overall strategic objectives of a firm.
Prerequisite: 3rd year standing in the Bachelor of Tourism Management program

TMGT 4180
Managing the Tourist Experience *3 credits (3,0,0)*
The tourism product holds an important position in the fast growing experience economy, requiring firms that are marketing these intangible products, to overcome unique challenges. In this course, students are provided with the concepts, tools, and strategic focus to effectively manage the tourist experience and to investigate how experiences are designed, delivered, and evaluated. Students are encouraged to employ innovative approaches in the application of their acquired knowledge to real business settings.
Prerequisite: TMGT 3050 and 3rd year standing in the Bachelor of Tourism Management program

TMGT 4210
Casino Operations Management *3 credits (3,0,0)*
This course explores the relationship between tourism development, hospitality services and casino operations. Topics include the development and current status of gaming in Canada, identification of different types of gaming operations, identification of stakeholders and the costs and benefits of casino establishments to the local community, comparison of gaming laws, controls and fundraising opportunities. This course will also identify marketing and management strategies for casino operations in a tourism setting.
Prerequisite: 3rd year standing

TMGT 4220
Mountain Studies 3 credits (3,0,0)
Mountain Studies allows students the opportunity to engage in an interdisciplinary study of mountain environments, communities, resorts, activities, web presence, arts, sustainability and destination experiences with an emphasis on undergraduate research. topics vary from year to year. Potential areas of focus include mountain culture (literature, painting, film, photography, history, new media) and web-mapping with the provision of rich content; the development and sustainability of mountain national parks in Western Canada; mountain literature and art; comparative studies of the mountain resorts that ring TRU; mountains and participant-observer new media applications; and public relations and mountain resorts.
Prerequisite: 3rd year standing

TMGT 4800
Tourism Enterprise Consulting Project *3 credits (0,3,0)*
Building upon the knowledge and skills acquired in previous work experience and courses in the Bachelor of Tourism Management program, students engage in a consulting assignment for a small- to medium-sized tourism enterprise. Students secure an assignment with a business organization, and work closely with the owner and/ or managers to identify a specific problem or challenge facing the firm. Students are then expected to set objectives, research, prepare, and present a report that addresses this problem.
Prerequisite: TMGT 3050 and 4th year standing in the Bachelor of Tourism Management program, and permission of the instructor and project idea approved by the instructor.

TMGT 4980
Special Topics in Tourism 3/*6 credits (3,0,0) or (6,0,0)*
The content in this course varies depending on the interests of faculty and students. Credits for the course are determined as per Policy ED-8-0.
Prerequisite: TMGT 3050 and 4th year standing in the Bachelor of Tourism Management Honours program

TMGT 4990
Honours Thesis *6 credits (0,3,0)(0,3,0)*
This course requires an original research project conducted by students in the Honours Program of the Bachelor of Tourism Management (BTM) Degree. It is completed under the direction of a faculty member from the School of Tourism. Students Accepted into the BTM Honours Program register for this course in both the fall and winter semesters of their final academic year.
Prerequisite: Fourth year standing in the BTM Honours Program and TMGT 3050

TMPT 1000
Transportation and Motive Power Foundations
16 credits (500 hours)
This course will introduce students to the full range of knowledge, abilities and skills required to diagnose, repair, adjust, overhaul, maintain, operate and test commercial trucks, emergency vehicles, buses, commercial trailers, road transport vehicles and vehicles with alternative fuel systems and hybrid drives.
Prerequisite: admission into the Diploma of Transportation and Motive Power Program

TMPT 2000
Principles of Transportation Systems
24 credits (725 hours)
This course provides students with an in-depth understanding of how to diagnose, repair, adjust, overhaul, maintain, operate and test Steering, Suspensions, Powertrains, Electrical systems and Heating/Ventilation/Air conditioning systems.
Prerequisite: TMPT 1000

TMPT 3000
Advanced Principles of Transportation Systems
(*300 hours)*
This course will provide students with an in-depth understanding of the advanced technologies, principles and systems within the transportation and motive power industry. Upon completion, students will be able to compare the original equipment manufacturers products and use appropriate technology to solve problems.
Prerequisite: TMPT 2000

TROW 1010
Theory for Trowel Trades *4 credits (100 hours)*
This course covers theory related to the installation of bricks, stone, tiles, concrete finishing and stucco. Topics include: proper operation and set-up of portable equipment; ladders and scaffolding; safe work practices required on a job-site; and the proper use and application of personal protective equipment.

TROW 1110
Shop Practical for Trowel Trades (500 hours)
Theory is integrated into practical experience with the hands-on installation of bricks, stone, tiles, concrete finishing and stucco. Topics include: the proper operation and set-up of portable equipment, ladders and scaffolding; safe work practices required while working on a job-site; and the proper use and application of personal protective equipment.

VISA 1010
2D Art Foundation 1 (L) *3 credits (3,1,0)*
This course is an intensive, studio based exploration of artmaking with an emphasis on developing creative relationships between the fundamentals of art processes, materials,

conceptual knowledge and current art practice. Within a positive working environment students will develop the creative approaches necessary to pursue their own ideas in response to a structured program of challenging studio projects, constructive discussion and illustrated lectures and seminars. The course is designed to link the knowledge and practice of pictorial development with individual creative drive and conceptual understanding. Students will be expected to participate fully in the class projects and critiques with the majority of the studio work completed outside the regular class hours.

VISA 1020
2D Art Foundation 2 (L) ***3 credits (3,1,0)***
As a continuation of the issues and practices introduced in the first semester of 2D-foundation this course builds towards more specific approaches to pictorial art making and focuses on the general studio processes and the ideas related to Printmaking, Painting and Photography. The course progresses through assignments designed to explore the essential processes and aesthetic potential of each media. Colour theory, acrylic painting, basic printmaking techniques, photography and darkroom processes will form the core of studio investigations. Under the guidance of the instructor, students are challenged to apply their resourcefulness and creativity to the characteristics, issues and processes inherent to each medium. As in the previous semester, studio work will be accompanied by illustrated talks, demonstrations and creative strategies. Students are required to attend all classes and participate fully in the class discussions, seminars and projects. As in all studio classes the majority of the studio work will be completed beyond the usual class time.
Prerequisite: VISA 1010

VISA 1030
3D Foundation (L) ***3 credits (3,1,0)***
This course introduces materials, techniques, and ideas that are fundamental to three dimensional aspects of visual art. Ideas related to long-standing traditions of sculpture, as well as those coming from the work of contemporary artists will be explored through the use of such materials and concepts as: wood, styrofoam, and clay; found objects; and installation. This course will also serve as an introduction to the equipment and safe working procedures of the Visual Arts Carpentry Workshop. Seminars in this course will be used for the discussion and critique of students' projects as they relate to the history and contemporary practice of visual artists.

VISA 1040
Fundamentals of Photography (L) ***3 credits (3,1,0)***
This is an introductory photography course for students who are not enrolled in the Bachelor of Fine Arts Degree program. The course curriculum will focus on the technical aspects of black and white photography and the use of photography as an artistic medium. An understanding of these technical and aesthetic aspects of photography will be carried out in the context of an ongoing study of the history and contemporary theory of fine art photography. Students will be expected to find further studio time in order to complete assignments related to camera and darkroom techniques introduced in class. Credits for this course cannot be used towards a Bachelor of Fine Arts Degree in Visual Art nor for the Diploma in Visual Art.

VISA 1110
History of Art 1 ***3 credits (3,1,0)***
This course is a survey of the arts of painting, sculpture, and architecture, from primitive man up to the Renaissance and including the Baroque period.

VISA 1120
History of Art 2 ***3 credits (3,1,0)***
This is a survey course in Art History, from the Renaissance to the 20th Century.
Prerequisite: VISA 1110

VISA 1210
Drawing 1: Studio (L) ***3 credits (3,1,0)***
An introduction to the fundamentals of drawing, covering formal elements of drawing, composition, and balance as well as practical techniques for seeing/drawing effectively. The student will be introduced to a range of drawing media and methods. Visual references, group critiques, discussions and readings will fortify theory. Although practical projects and techniques will be demonstrated in class, students are advised to timetable additional studio time in order to complete assignments which will be presented for critique.

VISA 1220
Drawing 2: Studio (L) ***3 credits (3,1,0)***
A continuation of VISA 1210, this course builds on basic drawing skills, history and theory. Students further explore concepts such as texture and colour, layering, and proportion/distortion, with an emphasis on visual communication of content through composition, choice of media and surface. Visual references, group critiques, discussions and readings fortify students' knowledge of theory. Practical aspects of assignments are introduced in class, however, students are advised to timetable studio time in addition to class time in order to complete assignments for critique.
Prerequisite: VISA 1210 or equivalent

VISA 1500
Introduction to Visual Culture ***3 credits (3,0,0)***
An interdisciplinary investigation of culture through the study of our visual environment. Beginning with the development of a critical framework for understanding visual art forms, the course will progress to encompass other viewpoints and forms of visual communications such as television, film, video, computers, billboards, graffiti, new technology and other imagemaking sources. A variety of topics related to our visual environment will be presented by guest lectures, artists and field professionals. This is a lecture class, no drawing skills are required.

VISA 2110
History of Art 3 (L) ***3 credits (3,0,0)***
This is a survey course in Art History in which students study Renaissance art and architecture.
Prerequisite: VISA 1120

VISA 2120
History of Art 4 ***3 credits (3,0,0)***
This is a survey course in Art History in which students study 17th and 18th Century art and architecture.
Prerequisite: VISA 2110

VISA 2130
A Survey of Modern Art 1 ***3 credits (3,0,0)***
This course identifies the origins of Modern Art in the mid-19th Century and trace its development up to World War II. Evidence of artists who moved European art from the narrative tradition to secularism and the subsequent explosion of change in the first decade of the 20th Century is emphasized.
Prerequisite: VISA 1120

VISA 2140
A Survey of Modern Art 2 ***3 credits (3,0,0)***
This is the second part of the two-semester Survey of Modern Art. Students explore the Modern movement after World War 2 and follow its development to Post Modernism.
Prerequisite: VISA 2130

VISA 2150
A Survey of the History of Canadian Painting
3 credits (3,0,0)
This course is a survey of the art of painting, from the colonial periods of the French and English in Canada up to, and including, recent concerns in Canadian painting.

VISA 2210
Drawing 3 (L) ***3 credits (3,1,0)***
The students will be encouraged to become more individualized in their approach to research and practical work. Through lectures, seminars, critiques and readings, key historical and current issues in contemporary drawing will be investigated. Through these activities the student will establish a basis for developing and addressing the subject, content and form of their artworks in visual, verbal and oral forms. Although studio projects are demonstrated and introduced during class time, students are expected to complete projects in the studios outside of regularly scheduled class hours.
Prerequisite: VISA 1020, VISA 1220

VISA 2220
Drawing 4 (L) ***3 credits (3,1,0)***
This course is a continuation of the issues introduced in VISA 2210. Independent research and practice will be combined with seminars, group critiques and slide lectures. Students will develop a working knowledge of selected topics related to the history and theory of drawing in order to define and discuss their work in contemporary context. From the studio demonstrations and projects introduced in class, students will develop their works in the studios outside of class time. Students are expected to be self-motivated and prepared for independent practice.
Prerequisite: VISA 2210

VISA 2310
Sculpture 1 (L) ***3 credits (3,1,0)***
This is an introductory course to sculptural materials and techniques. Students will gain practical experience in the use of metals, concrete, stone, clay and casting techniques. Key historical and current issues in contemporary sculpture will be investigated. Through these activities, students will develop a basis for addressing the subject, form and content of their artworks. Students will be expected to complete studio projects outside of scheduled class hours.
Prerequisite: VISA 1020, VISA 1030, VISA 1210

VISA 2320
Sculpture 2 (L) ***3 credits (3,1,0)***

This course is a continuation of VISA 2310. Students will be encouraged to develop individual content and to discuss their work in a contemporary context. They will be introduced to aspects of audio and kinetic sculpture. Class demonstrations of further sculptural techniques will be given and students will be required to complete works outside of scheduled class hours. Students are expected to be self-motivated and prepared for independent practice.
Prerequisite: VISA 2310

VISA 2410
Introductory Ceramics 1: Studio (L) *3 credits (3,1,0)*
Students study traditional methods of ceramic techniques through the ages, and the innovative methods of contemporary ceramic artists. Slide lectures, seminar discussions and group critiques are used in order to develop an understanding of form, function, and expression as it relates to ceramic art. Technical aspects and techniques related to the properties of clay as an artistic medium are demonstrated. Students are required to reserve additional time in the studio to apply what they learn from class demonstrations into practice.
Prerequisite: VISA 1020, VISA 1030, VISA 1210

VISA 2420
Introductory Ceramics 2: Studio (L) *3 credits (3,1,0)*
Students study the chemistry of glazes and other surface finishes for ceramic ware as it is developed through the ages. Through slide lectures, videos, and discussions, students are introduced to contemporary ceramic artists and their methods and firing techniques. Contemporary approaches for producing ceramic sculptures are demonstrated, and adaptations of traditional production methods for personal expression are explored in workshops. Students are required to reserve additional time in the studio to apply what they learn from class demonstrations into practice.
Prerequisite: VISA 2410

VISA 2510
Printmaking: Silk Screen 1 (L) *3 credits (3,1,0)*
This is an introduction to general screen-printing techniques with water based inks, hand-cut film, reduction screen, and hand-drawn positives. As these techniques are demonstrated, slide lectures on historical background will be provided and group critiques/discussions of student work will take place. Students will be allocated additional studio time for completion of assignments introduced and demonstrated in class.
Prerequisite: VISA 1020, VISA 1210

VISA 2520
Printmaking: Silk Screen 2 (L) *3 credits (3,1,0)*
A continuation of VISA 2510. In this semester the emphasis will be upon photoscreen and darkroom procedures. Students will be allocated additional studio time for completion of practical assignments which will be introduced and demonstrated in class.
Prerequisite: VISA 2510

VISA 2530
Printmaking: Etching and Relief 1 (L) *3 credits (3,1,0)*
This is an introductory course in printmaking which emphasizes basic processes of relief and intaglio printing. Students consider a variety of mediums such as linocut, woodcut, drypoint and metal plate etching. The intention of this course is to introduce printmaking as an artistic practice in contemporary art, and to provide an understanding of how such current approaches relate to relief and intaglio prints of the Western European masters of the past. Out-of-class studio work is required in order to complete projects that are introduced and demonstrated during class time.
Prerequisite: VISA 1020, VISA 1210

VISA 2540
Printmaking: Etching and Relief 2 (L) *3 credits (3,1,0)*
A continuation of VISA 2530, this course emphasizes the intaglio processes. Students further develop intaglio techniques through such processes as collographs, chine-colle, color printing, and the use of multiple plates. While learning these techniques, students reinforce their knowledge of the basic processes of intaglio and relief printing. Students also examine historical and contemporary approaches to these mediums as well as an ongoing exploration of their personal imagery. Out-of-class studio work is required in order to complete projects introduced and demonstrated during class time.
Prerequisite: VISA 2530

VISA 2550
Printmaking: Lithography 1 (L) *3 credits (3,1,0)*
The students will be encouraged to become more individualized in their approach to research and practical work. Through lectures, seminars, critiques and readings, key historical and current issues in contemporary printmaking will be investigated. Through these activities the student will establish a basis for developing and addressing the subject, content and form of their artworks in visual, verbal and oral forms. This course will introduce students to the printmaking mediums of plate and stone lithography. Course content will include a series of lectures and seminars pertaining to the history of these mediums, technical demonstrations, dedicated to the development and execution of black and white imagery utilizing these processes. Although studio projects are demonstrated and introduced during class time, students are expected to complete projects in the studios outside of regularly scheduled class hours.
Prerequisite: VISA 1020, VISA 1210

VISA 2560
Printmaking: Lithography 2 (L) *3 credits (3,1,0)*
This course is a continuation of the issues introduced in VISA 2550. Independent research and practice will be combined with seminars, group critiques and slide lectures. Students will develop a working knowledge of selected topics related to the history and theory of printmaking in order to define and discuss their work in contemporary context. This course will allow the student to progress further with the medium of lithography introduced in VISA 2550. Some individual specialization in these mediums: photo-lithography, color and plate lithography will be possible. Lectures and seminars will be used to examine the development of personal imagery in the context of existing histories and practices of printmaking as an artistic medium. From the studio demonstrations and projects introduced in class students will develop their works in the studios outside of class time. Students are expected to be self-motivated and prepared for independent practice.
Prerequisite: VISA 2550

VISA 2610
Painting 1 (L) *3 credits (3,1,0)*
The fall semester centers on gaining a fundamental knowledge of the materials and techniques of painting. An emphasis will be placed on the formal aspects of painting: composition, colour, tonal relationships, and spatial concepts. Discussion will also take place about critical issues in contemporary painting practice. Students will be allocated studio time in which to complete assignments related to technical practices introduced in class.
Prerequisite: VISA 1020, VISA 1210

VISA 2620
Painting 2 (L) *3 credits (3,1,0)*
This winter semester course will be a continuation of VISA 2610 with a development of personal subject matter and content. Students will be allocated studio time in which to complete assignments related to techniques and practices in oil painting demonstrated in class.
Prerequisite: VISA 2610

VISA 2710
Intro to Photography 1 (L) *3 credits (3,1,0)*
This course is an introduction to technical aspects of black and white photography and the use of photography as an artistic medium. An understanding of these technical and aesthetic aspects of photography will be carried out in the context of an ongoing study of photographic histories. Students will be expected to find further studio time in order to complete assignments related to camera and darkroom techniques introduced in class.
Prerequisite: VISA 1020, VISA 1210

VISA 2720
Intro to Photography 2 (L) *3 credits (3,1,0)*
This course is a continuation of VISA 2710. Further explorations of camera, darkroom and studio techniques will be used to produce artworks within the study of contemporary artists working with photo-based media. Students will be expected to find further studio time in order to complete assignments related to techniques introduced and discussed in class.
Prerequisite: VISA 2710

VISA 3010
Gallery Studies: Curating *3 credits (2,1,0)*
In this course the student will be provided with an overview of Curatorial Practice. This will include a consideration of such topics as: types of exhibitions common to public and artist-run galleries in Canada; regional, national and international survey exhibitions; working with artists towards the planning of an exhibition; writing about artist's works in the context of contemporary art theory and criticism. Where possible, exhibitions at the Kamloops Art Gallery will be used as a basis for these studies.
Prerequisite: Third-year standing, VISA 1110/1120, VISA 1500

VISA 3020
Gallery Studies: Installation (L) *3 credits (1,2,1)*
In this course students will learn basic principles and techniques for the installation of exhibitions in a variety of formats. These are skills common to the preparatory staff at a gallery or museum. This will include a consideration of works of both a conventional nature, such as frames works, as well as more spatial and/or experimental works such as sculpture and installation. Where possible, the TRU Fine Arts Gallery, as well as the Kamloops Art Gallery, will be used as a basis for these studies. In addition, students will learn such skills as mat-cutting, frame construction, basic workshop skills common to

exhibition installation, basic principles of lighting, the documenting of exhibitions, as well as basic principles of conservation.
Prerequisite: Third-year standing, VISA 1110/1120, VISA 1500

VISA 3030
Gallery Studies: Gallery Administration *3 credits (2,1,0)*
Students study the types of galleries existing in Canada, and of the ways in which their management and programming are structured. The range of galleries considered includes public and private galleries as well as artist-run spaces. The course provides a detailed summary of the various roles or positions in a gallery, including Director, Curator, Registrar, and installation staff, as well as volunteers, various committees and the Board of Directors. Students also explore granting agencies for the visual arts in Canada, including those at the municipal, provincial and national levels.
Prerequisite: 3rd year standing and VISA 1110, VISA 1120, VISA 1500

VISA 3040
Gallery Studies: Public Art *3 credits (2,1,0)*
In this course students will study the function of art created for public spaces as well as the collecting of art in public institutions. In considering the role of art created for public spaces this study will combine a historic overview with an examination of works commissioned by recent and contemporary artists. Similarily, the study of collections held by such organizations as the Canada Council and public galleries in Canada will be contextualized within an understanding of the historical development of museum and gallery collections. These studies will also include such topics as: policy development; cataloguing collections; application and jurying processes for public commissions, and working with scaled plans.
Prerequisite: Third-year standing, VISA 1110/1210, VISA 1500

VISA 3130
Critical Studies in Photographic History *3 credits (3,0,0)*
This course presents a critical overview of photography in Europe and North America, particularly as it relates to other disciplines of the visual arts and to media culture. This study of the various aesthetic and social movements which surround photography (such as modernism and feminism) will complement courses in other academic areas which examine material culture in the nineteenth and twentieth centuries.
Prerequisite: Third-year standing

VISA 3150
Art of the Italian Renaissance *6 credits (2,1,0)(2,1,0)*
A survey of the principle works of art from the rise of the city-states (ca. 1250) to the phenomenon of Mannerism in the 16th century; topics include the new conception of the artist and the changing role of the patron as well as the transformation of traditional artistic genres.

VISA 3310
Sculpture/Intermedia (L) *6 credits (1,2,1)(1,2,1)*
This sculpture course will focus on art-making as the development of a visual language, and focus on finding the most effective medium or media for expressing a given idea, in addition to the acquisition and refinement of skills. Along with learning a number of current and/or traditional sculpture techniques, students will begin to examine their cultural milieu with a critical and wondering eye. Students are exposed to and will refine a wide variety of media, skills and strategies that define contemporary sculpture, including wood and metal fabrication, use of found objects, welding, and mediums and strategies such as site-specific work, installations and time based art like kinetic art, electronics, performance, video projections, and sound.
Prerequisite: VISA 1030

VISA 3410
Ceramics 3: Studio (L) *3 credits (3,1,0)*
Following VISA 2420: Introductory Ceramics, students are introduced to further techniques, improve on their wheel skills, and undertake more ambitious projects that incorporate their improved skills. Through readings, discussions, slides, and videos, students familiarize themselves with recent innovations in the ceramic field and important artists working in the area.
Prerequisite: VISA 2420

VISA 3420
Ceramics 4: Studio (L) *3 credits (3,1,0)*
Students learn about the nature of glazes and to calculate their own using the unity formula. Studio work is thematic, and students are required to research and write about their ideas as well as exploring those ideas through designs and maquettes prior to realizing them. Library research and presentations are also a required part of the course, and students are expected to provide an artists' statement for each major assignment.
Prerequisite: VISA 3410

VISA 3430
Advanced Wheel Throwing (L) *3 credits (2,1,0)*
Students are required to have some wheel experience which provides the basis upon which they build and improve their skills. Through slides, seminars and by using the library, students research important periods in the history of Ceramics and the significance of the whee,l both culturally and artistically, since its inception. Students use this information in a Post-Modern context as a starting point for their work and identify ceramic artists who use, or have utilized the wheel as their primary method of working, and with whom they can identify. Students also set goals early on and work thematically to produce a body of wheel- thrown work with personal content and cultural relevance. A written proposal at the beginning of the course, together with an artist's statement upon its completion is a required component.
Prerequisite: VISA 3420

VISA 3440
Ceramic Sculpture (L) *3 credits (2,1,0)*
This course is designed for students who, having completed VISA 3420, want to pursue and develop sculptural ideas in the context of clay. Students familiarize themselves with artists worldwide who have chosen clay as their means of communication. Students also explore ideas, design and execute a group of works which incorporate techniques of clay body formulation, casting and expanded slab techniques, as well as a variety of surface treatments.
Prerequisite: VISA 3420

VISA 3510
Studio Media: Printmaking (L) *6 credits (2,1,0)(2,1,0)*
Drawing upon such specific mediums as etching and/or (stone) lithography, this course provides an exploration of printmaking. In class lecture time will be used to present practical demonstrations of a variety of fundamental printmaking principles and techniques. These will be linked to a series of projects that will be introduced to the students and which will encourage the development of personal imagery and innovation. A historical and contemporary context for these projects will be presented and discussed during seminar sessions. Seminar sessions will also provide a forum for the critique of student work. Out of class studio work will be required in order to complete projects introduced and demonstrated during the class time.
Prerequisite: VISA 2540

VISA 3520
Printmaking: Int Screen-Print (L) *3 credits (2,1,1)*
This is a studio course in the techniques of screen-printing at the intermediate level. This course will provide the opportunity for continued research in stencilling techniques, new and traditional photographic technology, colour, printing, alternative inks, unique printing surfaces and combination printing methods with other media. Students will be required to create a body of artwork that demonstrates their theoretical conceptual knowledge of contemporary screen-printing media. Discussions in seminars will cover examples of artwork by contemporary artists who work in the screen-printing discipline.
Prerequisite: VISA 2520

VISA 3610
Painting 3 (L) *3 credits (3,1,0)*
The students will be encouraged to become more individualized in their approach to research and practical work. Through lectures, seminars, critiques and readings, key historical and current issues in contemporary painting will be investigated. Through these activities the student will establish a basis for developing and addressing the subject, content and form of their artworks in visual, verbal and oral forms. Although studio projects are demonstrated and introduced during class time, students are expected to complete projects in the studios outside of regularly scheduled class hours.
Prerequisite: Third year standing and VISA 2620

VISA 3620
Painting 4 (L) *3 credits (3,1,0)*
This course is a continuation of the issues introduced in VISA 3610. Independent research and practice will be combined with seminars, group critiques and slide lectures. Students will develop a working knowledge of selected topics related to the history and theory of painting in order to define and discuss their work in a contemporary context. From the studio demonstrations and projects introduced in class, students will develop their works in the studios outside of class time. Students are expected to be self-motivated and prepared for independent practice.
Prerequisite: Third year standing and VISA 3610

VISA 3630
Studio Media: Painting/Drawing (L) *6 credits (2,1,0)(2,1,0)*
This course provides an exploration of drawing and painting, as well as the ways in which these two disciplines overlap and interact with one another in historical and contemporary artistic practice. In-class lectures will be used to present both theoretical/historical material as well as the practical methods of creating artistic works in the areas of drawing, painting, and mixed-media collage. Seminars will be used to

critique student work as well as for such things as the discussion of readings and student presentations. Out of class studio work will be required in order to complete projects introduced and demonstrated during the class time.
Prerequisite: VISA 2620

VISA 3710
Photography 3 (L) *3 credits (3,1,0)*

The students will be encouraged to become more individualized in their approach to research and practical work. Through lectures, seminars, critiques and readings, key historical and current issues in contemporary photography will be investigated. Through these activities the student will establish a basis for developing and addressing the subject, content and form of their artworks in visual, verbal and oral forms. Although studio projects are demonstrated and introduced during class time, students are expected to complete projects in the studios outside of regularly schedule class hours.
Prerequisite: VISA 2720

VISA 3720
Photography 4 (L) *3 credits (3,1,0)*

This course is a continuation of the issues introduced in VISA 3710. Independent research and practice will be combined with seminars, group critiques and slide lectures. Students will develop a working knowledge of selected topics related to the history and theory of photography in order to define and discuss their work in a contemporary context. From the studio demonstrations and projects introduced in class students will develop their works in the studios outside of class time. Students are expected to be self-motivated and prepared for independent practice.
Prerequisite: VISA 3710

VISA 3730
Studio Media: Photography and Literature - A Canadian Perspective (L) *6 credits (2,1,0)(2,1,0)*

This studio-based course serves equally as a practical introduction to photography and an exploration of relationships between image and text. From a Canadian perspective, a variety of literary and critical works of historical and contemporary photographers are considered. Projects will include photographic series, critical essays and interdisciplinary works which bridge the gap between the traditional disciplines of Art and English. Note: This course would be accessible to students without much prior photographic experience but would also be of interest to students who have taken other photography courses. Out of class studio work will be required in order to complete projects introduced and demonstrated during the class time.
Prerequisite: Foundation Year

VISA 3740
Colour Photography (L) *3 credits (2,1,1)*

This course is an introduction to the tools, materials, techniques, theory and practice of colour photography. Students will learn to expose colour film and to make colour prints towards a body of their own artwork. The course will include a survey of contemporary and historic colour photographic practice which will provide a basis for the development of critical and aesthetic awareness. The similarities and differences between analog and digital photography will also be considered.
Prerequisite: VISA 2720

VISA 3810
Directed Studies: 2D (L) *3/6 credits (3,0,0) or (3,0,0) (3,0,0)*

This course is intended to allow for the development of a personal body of work, primarily in some two dimensional medium such as Drawing, Painting, Photography or Printmaking. Students in this course will work in the Fine Arts studios under the supervision of a faculty advisor towards the creation of such an independent body of work. Priority will be given to BFA students.
Prerequisite: Third Year Standing, and completion of Third Year Courses in the appropriate discipline.

VISA 3820
Directed Studies: 3D *3/6 credits (3,0,0) or (3,0,0) (3,0,0)*

This course is intended to allow for the development of a personal body of work, primarily in some three dimensional medium such as Ceramics, Sculpture or Interdisciplinary forms. Students in this course will work in the Fine Arts studios under the supervision of a faculty advisor towards the creation of such an independent body of work. Priority will be given to BFA students.
Prerequisite: Third Year Standing, and completion of Third Year Courses in the appropriate discipline.

VISA 3830
Special Topics Visual Arts (L) *3 credits (3,1,0)*

This is a variable content course which will change from semester to semester. Normally, the themes that are addressed in the course will be ones which complement, or otherwise lie outside, our regular departmental offerings. Such topics of study might include: Alternative Processes in Photography, Papermaking, Landscape Studies, etc. This course will normally be for students with third year standing in the Fine Arts or in some related Arts degree program. Check with the department Chairperson to find out about current offerings as well as any necessary prerequisites. Students should understand that additional studio time will be needed outside of timetabled hours in order to complete practical studies of techniques and processes demonstrated in class.
Prerequisite: Check with the department Chairperson to find out about prerequisites as they may vary from offering to offering.

VISA 4740
Photojournalism (L) *3 credits (3,1,0)*

This course builds on the basic photographic skills acquired during VISA 1040. Increasing emphasis is placed upon those technical and conceptual skills that best prepares students for approaching print journalism Students further develop a working knowledge that is well-rounded with respect to theory, history, and practice. In addition to taking part in lectures and seminar discussions, students are expected to work in the darkroom on their own time and with whatever photographic equipment and processes available to them.
Prerequisite: VISA 1040
Corequisite: VISA 1040 and Permission of the instructor

VISA 4910
Graduating Studio (L) *12 credits (0,1,20)*

This is a studio course where students will work under the supervision of an advisor towards the creation of an independent body of artworks. That body of work may be created within one medium, such as photography, printmaking, painting or sculpture, or may be approached in a more interdisciplinary manner as agreed upon by the student and their advisor. Students in this course will also be required to take VISA 4990, the Graduating Seminar concurrently, which will serve as a wider forum in which their artworks will be considered.
Prerequisite: Its third year Visual Arts (studio) credits
Corequisite: VISA 4990

VISA 4920
Directed Studies: Gallery (L) *12 credits (3,0,0)*

This is a senior level directed studies course in the area of Gallery Studies. Students in this course will work under the supervision of an instructor towards an independently researched and documented exhibition project. The project will be modeled upon a curatorial proposal to a public gallery and will include a complete physical, thematic, and theoretical overview of the proposed exhibition. The proposal will be suitable for realization at one of the Public galleries in the Kamloops and surrounding region. Students in this course will also take VISA 4990, the Graduating Seminar, which will serve as a wider forum in which their exhibition projects will be considered.
Prerequisite: 18 third-year Fine Arts credits, including VISA 3010 and 3020
Corequisite: VISA 4990

VISA 4990
Graduating Seminar *6 credits (1,2,0)*

This course will serve as a forum for all of the students enrolled in VISA 4910, Directed Studies: Studio, and VISA 4920, Gallery Studies: Directed Studies, to meet together with an advisor on a weekly basis. The content of the course will be shaped around two primary activities. Firstly, it will constitute such things as an ongoing consideration of work currently on exhibition at such galleries as those in Kamloops, Calgary, Kelowna and Vancouver and, also, the work of Visiting Artists. Secondly, it will serve as a chance to discuss and critique work and exhibition projects being created by students in the two fourth year directed studies courses. Students will also be presented with the artistic and other research projects of a selection of TRU faculty members.
Prerequisite: Either VISA 4910 or VISA 4920

WELD 3010
Welding Apprentice 1

Welder Apprentice Level 1" means a person who has training in and is capable of welding various steel and aluminum parts using the SMAW, GMAW and FCAW processes, in the fabrication, construction, erection and repair of components or structures, in plate and structural applications. Technical training content: Module P1 - Introduction Program Orientation Module P2 Part 1 - Oxy-Fuel Cutting Module P3 Part 1 - Gas Welding; Braze Welding Module P4 Part 1 - Shielded Metal Arc Welding (SMAW 1) Module P5 - Air Carbon Arc Gouging Module P6 Part 1 - Gas Metal Arc Welding (GMAW 1) and Flux Cored Arc Welding (FCAW 1)
Prerequisite: Registered Welding Apprentice with the Industry Training Authority

WELD 3020
Welding Apprentice 2

Welder Apprentice Level 2" means a person who has training in and is capable of welding various steel and aluminum parts using the SMAW, GMAW and FCAW processes, in the fabrication, construction, erection and repair of components or structures, in plate and structural applications. Technical training content: Module P3 Part 2 - Gas Welding & Braze Welding Module P4 Part 2 - Shielded Metal Arc Welding (SMAW 1) Module P6 Part 2 - Gas Metal Arc Welding (GMAW 1) and Flux Cored Arc

Welding (FCAW 1) Module RK1 - Material Handling Module RK2A - Blueprint Reading 1 Module RK2B - Mathematics Module RK3 - Welding Metallurgy 1
Prerequisite: Registered Welding Apprentice with the Industry Training Authority

WTTP 1700
Water Sources *3 credits (90 hours)*

This course provides training in the development of new and existing water sources. Students focus on ground and surface water sources as they relate to the way drinking water is treated and distributed. Areas of study include: basic water supply hydrology; groundwater sources; surface water sources; emergency and alternate water sources; source water conservation; source water quality; and source water protection. .
Prerequisite: Acceptance into either the Water & Wastewater Certificate or Diploma programs or the Water Treatment Technology program

WTTP 1710
Water Treatment 1 *3 credits (90 hours)*

This is a basic water treatment course which focusses on environmental applications and emphasizes past, present and future technologies related to water treatment. Topics explored in this course include: operator responsibilities; water sources; reservoir management; coagulation and flocculation processes; sedimentation; filtration; disinfection; corrosion control; and basic water treatment sampling procedures.
Prerequisite: Acceptance into either the Water & Wastewater Certificate or Diploma programs or the Water Treatment Technology program

WTTP 1720
Applied Math & Science *3 credits (90 hours)*

Students are introduced to concepts in Mathematics, Chemistry, and Hydraulics that will be needed later in the program. The course is divided into three modules: Module A - Mathematics covers important concepts such as significant figures, error analysis, calculation of areas and volumes, units conversion, ratios and proportions, averages, and percent. Module B - Hydraulics introduces the students to the concepts of density and specific gravity, water pressure, piezometric surface and hydraulic grade line, calculation of head loss, as well as pumping and flow rate problems. Module C - Chemistry introduces the students to the structure and the classification of matter, the balancing of chemical equations, and finally dilution and dosage calculations.
Prerequisite: Acceptance into either the Water & Wastewater Certificate or Diploma programs or the Water Treatment Technology program

WTTP 1730
Mechanical Systems 1 *3 credits (90 hours)*

Students explore the principles of piping, pumps and valves as they apply to the support systems in water treatment facilities. The principles of Cross Connection control are also addressed.
Prerequisite: Acceptance into either the Water & Wastewater Certificate or Diploma programs or the Water Treatment Technology program

WTTP 1740
Environmental Legislation, Safety and Communications *3 credits (90 hours)*

This course provides a foundation in three topic areas: legislation, safety and communications. Under the legislative section, students gain an understanding of the basic principles of environmental law and the legislative framework under which most water suppliers must legally operate. The safety section includes topics such as occupational health and safety as it applies to operations and management of water systems. The third section covers oral and written communication skills required for operators dealing with specific situations that arise through interactions with the public.
Prerequisite: Acceptance into either the Water & Wastewater Certificate or Diploma programs or the Water Treatment Technology program

WTTP 1760
Introduction to Wastewater Utility *3 credits (90 hours)*

This course provides an introduction to the wastewater treatment processes, focussing on domestic and industrial sources as they relate to the way wastewater is collected, treated and disposed. Areas of study include: basic descriptions of what is wastewater; why we have to treat wastewater; the processes involved with treating wastewater; disposal of treat effluent; and the collection of wastewater from sources.
Prerequisite: Industry experience or acceptance into Water Treatment Technology or Water & Wastewater Certificate or Diploma program

WTTP 1800
Electrical Fundamentals 1 *3 credits (90 hours)*

Students are introduced to the electrical trade as it applies to the day-to-day operation of water and wastewater treatment plants. Topics discussed include: basic electrical principle; electrical safety; motor control principles; and the fundamentals of electric motors. This course is not designed to create tradespersons, but is designed from the viewpoint of plant operators, to develop more awareness of the trades and to enable operators to function more effectively.
Prerequisite: WTTP 1700 and WTTP 1710 and WTTP 1720 and WTTP 1730 and WTTP 1740 and WTTP 1760 or equivalent.

WTTP 1820
Instrumentation 1 *3 credits (90 hours)*

This course offers an introduction to the instrumentation trade as it applies to the day-to-day operation of water and wastewater treatment plants. Topics discussed include: process control principles; terminology; and trouble shooting techniques. This course is not designed to create tradespersons, but is designed from the viewpoint of plant operators, to develop more awareness of the trades and to enable operators to function more effectively.
Prerequisite: WTTP 1700, WTTP 1710, WTTP 1720, WTTP 1730, WTTP 1740, WTTP 1760 or equivalent.

WTTP 1830
Mechanical Systems 2 *3 credits (90 hours)*

A continuation of Mechanical Systems 1, this course includes a detailed examination of the selection, operating principles, adjustment and maintenance of mechanical equipment used in water and wastewater treatment processes and facilities. The course is arranged in three general sections: moving water, major process equipment, and secondary process equipment systems.
Prerequisite: WTTP 1700, WTTP 1710, WTTP 1720, WTTP 1730, WTTP 1740 and WTTP 1760 or equivalent

WTTP 1850
Water Treatment 2 *3 credits (90 hours)*

This course is a continuation of Water Treatment 1. Advanced topics in this course include: water softening; pH control; pre-oxidation; and dissolved metals removal. Students are provided an overview of chemical feed systems and chemical dosage calculations.
Prerequisite: WTTP 1700, WTTP 1710, WTTP 1720, WTTP 1730, WTTP 1740 and WTTP 1760 or equivalent

WTTP 1860
Wastewater Utility 1 *3 credits (90 hours)*

This course illustrates the progression of wastewater leaving the wastewater collection system and entering into the treatment plant stage. Various forms of preliminary treatment are explained and students learn about stand alone treatment plants such as septic systems and how they operate. Students discuss what occurs after preliminary treatment has taken place in regards to primary treatment, sedimentation, sludge and sludge removal. Wastewater lagoon systems are discussed, the various laboratory principles of wastewater are introduced, and students identify lab procedures related to the wastewater treatment processes.
Prerequisite: WTTP 1700, WTTP 1710, WTTP 1720, WTTP 1730, WTTP 1740 and WTTP 1760 or equivalent

WTTP 1870
Wastewater Utility 2 *3 credits (90 hours)*

This course provides an in-depth look into the wastewater treatment processes and components. Students focus on secondary and advanced wastewater treatment, wastewater sludge residual treatment and disposal. Areas of study include: descriptions of treatment processes and components for secondary treatment; advance treatment targets and process; residual sludge treatment management; and disposal.
Prerequisite: WTTP 1700, WTTP 1710, WTTP 1720, WTTP 1730, WTTP 1740 and WTTP 1760 or equivalent

WTTP 1890
Practicum 1 *3 credits (90 hours)*

This course offers students hands-on practical training integral to the development of future water and wastewater operators. Students progress through practical experiences involving basic electrical and instrumentation, mechanical system maintenance, laboratory procedures and plant operation fundamentals for water and wastewater.

WTTP 1890
Practicum I *3 credits (90 hours)*

This course offers students hands-on practical training integral to the development of future water and wastewater operators. Students progress through practical experiences involving basic electrical and instrumentation, mechanical system maintenance, laboratory procedures and plant operation fundamentals for water and wastewater.

WTTP 2700
Electrical Fundamentals 2 *3 credits (90 hours)*

This course is a continuation of Electrical Fundamentals 1, which looks beyond the basic electricity fundamentals and motor control towards the utilization of electrical theory in practical applications. While further fundamental theory such as solid-state electronics and numbering systems is considered, the majority of the information covered in this course references practical applications.
Prerequisite: WTTP 1800, WTTP 1820, WTTP 1830, WTTP 1850, WTTP 1860, WTTP 1870 or equivalent

WTTP 2710
Water Chemistry *3 credits (90 hours)*

This course provides an introduction to the study of water chemistry. The focus is on chemistry fundamentals that water operators require for problem analysis related to water treatment. Areas of study include: pH; alkalinity; and inorganic (metals and non-metals, anion/cations) and organic (hydrocarbons, aromatics, detergents, pesticides) species found in water. Practical examples of removal and treatment of chemicals found in water are provided.
Prerequisite: WTTP 1800, WTTP 1820, WTTP 1830, WTTP 1850, WTTP 1860, WTTP 1870 or equivalent.

WTTP 2720
Advanced Coagulation and Particle Removal
3 credits (3,0,0)

This course is a continuation of Water Treatment 2 in which coagulation in general terms is introduced. This course takes an in-depth look at coagulation and particle removal. Topics discussed include: the advanced principles of coagulation; emerging technologies; jar testing; and clarification methods and equipment. The course aims to provide operators with information that will improve their ability to assess conditions in the water treatment plant and make decisions to ensure the smooth operation of their treatment process.
Prerequisite: WTTP 1800, WTTP 1820, WTTP 1830, WTTP 1850, WTTP 1860, WTTP 1870 or equivalent

WTTP 2730
Filtration *3 credits (90 hours)*

This course provides students with the basic understanding of water filtration mechanisms and the methods of their classification. Topics include a historical overview of the development of water treatment and its impacts on water filtration today. The process of slow and rapid sand filtration and its operation, performance optimization, maintenance, and backwashing techniques are considered in detail. Alternative filtration processes, such as membranes, pressure sand, manganese green sand, activated carbon, pre-coat and sediment filtration are also explained, along with operations and maintenance procedures for each of the technologies.
Prerequisite: WTTP 1800, WTTP 1820, WTTP 1830, WTTP 1850, WTTP 1860, WTTP 1870 or equivalent.

WTTP 2740
Disinfection *3 credits (90 hours)*

The intent of this course is to cover the advanced concepts of drinking water disinfection and fluoridation. Topics include history of disinfection, causes of waterborne diseases and disinfection goals. Theory of disinfection, design, and operation as well as "disinfection by-products" are discussed. Technologies covered include chlorination, ozone, UV and alternate disinfection methods. Maintenance and calibration procedures used in monitoring equipment for both disinfection and fluoridation are also addressed.
Prerequisite: WTTP 1800, WTTP 1820, WTTP 1830, WTTP 1850, WTTP 1860, WTTP 1870 or equivalent

WTTP 2800
Microbiology & Toxicology *3 credits (90 hours)*

The goal of this course is to introduce students to unifying concepts of biology, microbiology and toxicology relating to water, and the most common and significant sources of infectious diseases caused by microbial contamination. Students explore the types of toxicants present in aquatic systems, their routes of exposure and modes of action, as well as their effects on human health and the environment.
Prerequisite: WTTP 2700, WTTP 2710, WTTP 2720, WTTP 2730, WTTP 2740 or equivalent.

WTTP 2820
Instrumentation 2 *3 credits (90 hours)*

This course offers a more advanced study into plant floor control and supervision. Students are introduced to the components of a computerized system, and progress to advanced topics including an analogue signal handling, timers and counters, and how discrete and analogue values can be passed from one Programmable Logic Controller to another. Students develop an understanding of modern plant-wide control systems. These systems rely on merging technologies, such as computers, Programmable Logic Controllers, operator interfaces, and micro processor based plant-floor devices, together into a Supervisory, Control and Data Acquisition (SCADA) system.
Prerequisite: WTTP 2700, WTTP 2710, WTTP 2720, WTTP 2730, WTTP 2740 or equivalent.

WTTP 2830
Management and Leadership Skills *3 credits (90 hours)*

This course provides an introduction to human resources, assets and operations, financial management and techniques used in the water industry. Topics include the art of management and the role of the manager, decision making, time management, written records, human resource management and communication skills. Students examine the skills required for operations management, asset identification, designing an asset maintenance program, data acquisition, and water conservation. Accounts and budgets, financial accounting and international legislation are discussed.
Prerequisite: WTTP 2700, WTTP 1710, WTTP 2720, WTTP 2730, WTTP 2740 or equivalent

WTTP 2840
Source Water Protection & Management *(390 hours)*

This course introduces students to source water challenges and issues. Students study how ground and surface source waters and their catchment areas can face threats and vulnerabilities that impact water safety and sustainability. Students learn to characterize source waters, delineate protection areas, and identify water quality and quantity hazards and vulnerabilities. Using this data, students develop risk assessments and response plans to mitigate hazards through water system design, operations, and watershed management.
Prerequisite: WTTP 2700, WTTP 2710, WTTP 2720, WTTP 2730, WTTP 2740, or equivalent

WTTP 2890
Practicum 2 *3 credits (90 hours)*

This course represents the second onsite practicum. The intent of the course is to provide hands-on practical training as students enter the final phase of the program. Students progress through a series of practical experiences involving: advanced process control; advanced programmable logic controllers; Supervisory Control and Data Acquisition Systems; people, asset and operation, financial management and leadership skills; operational procedures in advanced coagulation and particle removal; filtration techniques; and basic to advanced disinfection practices.
Prerequisite: Completion of Level 1 to 3 Water Treatment Technology Program and WTTP 2801, WTTP 2291, WTTP 2301, WTTP 2311, WTTP 2331, WTTP 2341 and WTTP 2351

YMCR 1160
Accounting on the Microcomputer - Quickbooks

Students use the Quickbooks Accounting for Windows software in this 28-hour course. The major emphasis throughout the course is on the development and effective use of software in the preparation and presentation of accounting records as they pertain to business. This is a very intense, production-oriented course. Students must be prepared to devote extra time outside the regularly scheduled lesson and lab-time to get the most out of the course and to complete all course requirements to acceptable standards. This course is not intended to train students in accounting principles.
Prerequisite: YMCR 5030

YMCR 1180
Using a Local Area Network

This course is designed to ease your concerns about working on a network. You will learn the basics of operating a microcomputer connected to a local area network. Topics will include logins, access and rights, sharing hardware (drives and printers) and software application programs. This course will also give you some basic troubleshooting knowlege and skills that will help you to know when to call for assistance with the network, and also enable you to communicate more effectively with the network administrator.
Prerequisite: Good knowlege of the personal computer operating system (DOS)

YMCR 1300
Desktop Publishing, An Introduction

Electronic desktop publishing is fast becoming a function of the business environment. There are a variety of programs that are available and that vary in sophistication. With desktop publishing programs anybody can create professional documents, such as cards, posters, advertisements, newsletters, logos, brochures, and booklets. This course provides an opportunity for students to explore the field of desktop publishing, not only in the production of basic business documentation but also in the production of documentation for the World Wide Web. Although students may not be at an expert level upon completion of this course, students develop a strong foundation of skills upon which to build in desktop publishing.
Prerequisite: YMCR 5030 or knowledge of computer file management.

YMCR 5030
The Operating System

A solid understanding of a computer's operating system is essential to using a microcomputer effectively. Students are introduced to operating systems at a fundamental level required for using an IBM or compatible microcomputer. Students learn the concepts of the DOS/Windows operating system, in preparation for further learning, and to manage a computer system.
Prerequisite: THIS COURSE IS A PREREQUISITE COURSE for all other Certificate Program courses. Students taking this and further courses should have basic typing skills to complete this course successfully.

YMCR 5140
Spreadsheets on the Microcomputer
Students create and format spreadsheets to analyze and share information, and to make informed decisions. This course offers an introduction to basic spreadsheet concepts (basics, file management, ranges, sorting, columns and rows) using Excel. These concepts include Excel's built-in functions (moving and copying data; formatting a worksheet; printing worksheets; functions and formulas (AutoSum, Inserting functions, Aver, Min and Max functions); referencing and absolutes (consolidating data with 3D references, now and today functions, absolute referencing); charts (creating a chart, selecting, moving, sizing and deleting chart items, preview and printing charts); and advanced built-in functions in Excel (financial function, using range names, split screens and freeze pane, working with clip art).
Prerequisite: YMCR 5030 or knowledge of computer file management.

YMCR 5150
Sage 50 Accounting
This course is intended to teach the fundamental features and concepts of the Simply Accounting software program. Students are able to design, establish, and manage an accounting system for a small business. This is a very intense, production-oriented course; students must be prepared to devote extra time outside the regularly scheduled lesson and laboratory work to get the most out of the course and to complete all course requirements to acceptable standards. This course is not intended to teach accounting principles. Basic bookkeeping knowledge is necessary for maximum benefit from this course.
Note: Students interested in this course must call Continuing Studies at 250.392.8010 to have their name placed on an interest list for upcoming course information.
Fee: $375 (including textbook)
Prerequisite: YMCR 5030 or computer file management knowledge, and basic bookkeeping skills.

YMCR 5160
Database Management on the Microcomputer - Access
This 28-hour course is designed for students wishing to gain a basic understanding of a relational database software program. Students learn the basic concepts of database structure and design by creating a working model. The course concentrates on the concepts of a database while using the Microsoft Access database for Windows. You should be prepared to devote additional hours of non-class time to exercises and project work.
Prerequisite: YMCR 5030 or computer file management knowledge, and basic bookkeeping skills.

YMCR 5250
Windows '98 - Intermediate
This course is designed to teach students who have a good basic knowlege of computing the necessary skills to manage the operating environment of the computer, not only as a stand-alone computer, bur also a group of computers connected via a network system. Students will learn to manage and customize the working and operating environment on the computer and resolve many of the frustrations experienced by the average computer user. This course is especially applicable to anyone involved in office management where computers are used.
Prerequisite: The Operating System (YMCR 5030) or (YMCR 1030 & YMCR 5010) Recommended, Word Processing, Spreadsheets, Database. Consultation with the instructor is strongly reccommended if students do not have the reccommended prerequisites.

YMCR 5350
Word Processing on the Microcomputer - Microsoft Office - Word
Students are instructed in Microsoft Word for Windows. In this 28-hour course, students learn to create, edit, and search documents, as well as use many additional extended features available in Word. Students should be prepared to devote additional non-class hours to exercises and project work.
Prerequisite: YMCR 5030 or computer file management knowledge. Note: Knowledge of the standard keyboard is necessary for maximum benefit.

YMCR 6150
Professional Presentations
Students learn how to communicate with power to get attention, to persuade others to act, and to present ideas in a meaningful, memorable, and captivating format. Moreover, students discover that how ideas are presented is as important as the ideas themselves. Therefore, the goal of this course is to develop the skills and techniques required to create presentations using the Microsoft PowerPoint presentation program. PowerPoint is a graphic software program that is used to make a professional presentation quickly and easily. Students rapidly learn techniques to make effective overheads for business presentations or teaching purposes, slides for business meetings, and on-screen presentations for mall demonstrations. With PowerPoint's consistency in design, colour, layout, and templates, ideas are presented creatively and effectively.
Prerequisite: YMCR 5030 or computer file management knowledge.

YMCR 6160
Intermediate Database
Students are introduced to advanced features of Microsoft Access. Among the topics discussed are setting relationships between multiple tables, using advanced reporting features, and writing Visual Basic code. Topic-specific exercises, as well as an integrated project, assist students in learning to implement the tools learned in this course. This is an intense course. Students should be prepared to devote additional non-class time to get maximum benefit from this course.
Prerequisite: YMCR 5030 and YMCR 5160

YMSS 1010
Management Skills for Supervisors Part 1 - Interpersonal Skills
This course is the first of a three-part certificate program: Management Skills for Supervisors. Managers are offered hands-on training and experience to equip them with the necessary skills and tools required to be an effective manager. Topics include communicating effectively and persuasively in a team environment; recognizing a win-lose situation; handling job-related problems; giving effective feedback; enhancing interviewing techniques, workplace rumours; conducting a coaching session; making quality decisions; improving relationships; and building consensus.

YMSS 1020
Management Skills for Supervisors: Part 2 - Team Building Skills
This course is the second of a three-part certificate program: Management Skills for Supervisors. Managers are offered hands-on training and experience to equip them with the necessary skills and tools required to be an effective manager. Topics include motivating employees; appropriate, adaptable, and flexible leadership styles; analyzing working groups and effective teams; strategies for productive and participatory meetings; coping with power shifts in organizations; and handling job-related stress.
Prerequisite: YMSS 1010

YMSS 1030
Management Skills for Supervisors: Part 3 - Administrative Skills
This course is the third of a three-part certificate program: Management Skills for Supervisors. Managers are offered hands-on training and experience to equip them with the necessary skills and tools required to be an effective manager. Topics include comprehensive and flexible analysis for employee performance, appraisal, and interviews; orientation procedures to inform and motivate; guiding a team through a change process; breaking down tasks and job descriptions; identifying and eliminating time-wasters; delegating effectively; job training systems to ensure success; and recognizing harassment in the workplace.
Prerequisite: YMSS 1010, YMSS 1020

YMSS 1040
Advanced Management Skills for Supervisors
This three-day workshop is designed for managers who have taken the certificate Management Skills for Supervisors program or an equivalent supervisor training course. Topics include navigating the perfect labour storm; the multi-generational workforce; attracting and recruiting great talent; creating a culture of engagement; communicating for success; coaching that engages; understanding conflict; and change management for leaders.
Prerequisites: Management Skills for Supervisors certificate program, or equivalent

ESAL and UPREP Courses

Academic preparation courses offers that learners the opportunity to complete prerequisites or requirements to pursue a diverse range of programs.

ASET 0200
Community Networking 1 *(55 hours)*
Community Networking 1 is course content targeted at the specific development of awareness and application of appropriate and effective employability skills and community resources. Guest speakers present informational content on various

workplace related topics in several different media: video, audio, power point, etc. Content learning and coverage is specific and relative to workplace topics.

Prerequisite: Admission to Level 1 of the Work Skills Training (WST) Program

ASET 0210

Community Networking 2 *(50 hours)*

Community Networking 2 is a continuation of Community Networking 1. Students explore community resources and their application to their employability. Guest speakers present informational content on various workplace related topics in several different media: video, audio, power point, etc.

Prerequisite: Admission to Level 2 of the Work Skills Training (WST) Program

ASET 0620

Communications 1 *(180 hours)*

Communications 1 is wide ranging interpersonal communications skills content that covers basic interpersonal skills training and application inclusive of: listening, responding, problem solving, stress management and assertiveness skills. Content focuses on effective and appropriate communications skills in the work place environment. Motivation, initiative, and comprehension, specific to the workplace are also covered. Students are challenged to engage in practical hands-on role play, interactive exercises, self directed content and large group discussion format. Active participation and flexibility are required for student success.

Prerequisite: Admission to Level 1 of the Work Skills Training (WST) Program

ASET 0630

Communications 2 *(130 hours)*

Communications 2 is a continuation of Communications 1 - wide ranging interpersonal skills training content which covers basic skills inclusive of the following: listening, responding, assertiveness skills, problem solving, anger management, conflict resolution, motivation, initiative, stress reduction and management. Students will continue to be challenged to learn, improve and master effective and appropriate communication skills specific to the work place environment. Students will engage in practical, hands-on and interactive content and application inclusive of video and audio presentations and exercises. Students will continue to work and learn with self directed content, individual and group projects and also with a large group discussion format.

Prerequisite: Admission to Level 2 of the Work Skills Training (WST) Program

ASET 0910

Workplace Numeracy and Literacy 1 *(110 hours)*

Workplace Numeracy and Literacy 1 is an introduction and review of basic functional literacy skills specifically relative to the workplace environment. Students work from an education plan, beginning at their individual functioning and skill level with the specific goals of improving and demonstrating progressive improvement in functional and demonstrated literacy. Topics covered include money management (budgeting and personal finance), reading and following directions, basic letter writing skills, note and message taking, workplace and personal vocabulary enhancement and basic calculator usage.

Prerequisite: Admission to Level 1 of the Work Skills Training (WST) Program

ASET 0920

Workplace Numeracy and Literacy 2 *(120 hours)*

Workplace Numeracy and Literacy 2 is a continuation of Workplace Numeracy and Literacy 1. The course builds on competency levels of students who continue to work to improve functional and demonstrated literacy skills. Topics include money management skills (budgeting, handling money), measurement (metric system), reading and following directions, taking messages, simple letter writing in preparation for resume writing, work and personal vocabulary enhancement and effective calculator usage.

Prerequisite: Admission to Level 2 of the Work Skills Training (WST) Program

ASET 0960

Computing 1 *(60 hours)*

Computing 1 introduces students to basic computer terminology, technology, and usage.

Prerequisite: Admission to Level 1 of the Work Skills Training (WST) Program

ASET 0970

Computing 2 *(60 hours)*

Computing 2 builds on skills developed in Computing 1. Students improve keyboarding skills and are introduced to other software as appropriate (database, spreadsheet, desktop publishing).

Prerequisite: Admission to Level 2 of the Work Skills Training (WST) Program

BBUS 0600

Intro to Entrepreneurship *3 credits (5,0,1)*

This course will give students a broad overview of major Canadian institutions and facilities affecting business in Canada. It will analyze services and facilities from an individual entrepreneur's point of view. Students will analyze attributes of successful entrepreneurs and will conduct a self-assessment of their own suitability for an entrepreneurial career. Students will identify and evaluate various types of business structures. Students will develop a strategy for identifying and evaluating business opportunities and for the development of a successful business plan. Note: This course is taught by the University & Employment Preparation. Required Lab: BBUS 060L

BBUS 0610

Intro to Business Studies *4 credits (6,0,0)*

This course is designed to provide College Preparation students an introduction to business studies at the ABE Provincial Level. Topics will include economics, business ethics, management, human resources, industrial relations, marketing, and accounting. Lectures will be supplemented by Canadian business cases and group work will be required. Note: This course is taught by the University & Employment Preparation.

Prerequisite: ENGL 0500 and MATH 0410 or equivalent

BIOL 0500

General Biology *3 credits (5,0,2)*

ABE - Advanced: This basic Biology course introduces students to the fundamentals of Biology. It includes a brief study of the cell, Binomial Nomenclature, and the major Phyla of Plant and Animal Kingdoms. Fundamentals of plant and animal physiology are introduced with emphasis on the inter-relationship among living organisms.

Note: This course is offered in Williams Lake.

Required Lab: BIOL 0500L

BIOL 0600

Human Biology *4 credits (5,0,2)*

ABE - Provincial: A study of the major principles of human anatomy and physiology from the origin of atoms and elements through to the structure and function of molecules, cells, tissues, organs and body systems. Introduces the basic principles of Genetics and Evolution. Laboratory work involves organizing observations, drawing conclusions and effective communication. Note: This course is taught by the University & Employment Preparation.

Required Lab: BIOL 0600L

Prerequisite: CHEM 0500

BIOL 0620

Introduction to Life Sciences *4 credits (5,0,2)*

ABE - Provincial: Introduces students to ecological principles, stressing interdependence between form and function of organisms that enables them to survive in their environment. Note: This course is taught by the University & Employment Preparation.

Required Lab: BIOL 0620L

Prerequisite: CHEM 0500

CHEM 0500

Foundations of Chemistry 1 *4 credits (5,0,2)*

ABE - Advanced: This course is designed for those students who have taken no previous high school chemistry course but who now require the equivalent of Chemistry 11 for entry into a certain program or course. Topics covered include chemical arithmetic, chemical nomenclature, chemical formula calculations, energy, solutions, atomic theory, chemical bonding, acids and bases, and physical properties. The laboratory reinforces concepts introduced in the lectures. Note: This course is taught by the University & Employment Preparation

Required Lab: CHEM 0500L

Prerequisite: Principles of Math 11 or Applications of Math 12, or MATH 0410 or equivalent

CHEM 0600

Foundations of Chemistry 2 *4 credits (5,0,2)*

ABE - Provincial: A pre-university level course for students requiring a more in-depth introduction to chemistry than provided by CHEM 0500 or Chemistry 11. The course is an acceptable prerequisite for CHEM 111. Topics covered will be similar to those dealt with in Chemistry 12 and will include gas laws, reaction kinetics, chemical equilibrium, solubility of ionic substances, acids and bases, oxidation-reduction and organic Chemistry. The laboratory exercises will illustrate and reinforce topics covered in the lectures. Note: This course is taught by the University & Employment Preparation

Required Lab: CHEM 0600L

Prerequisite: Chemistry 11 or CHEM 0500

Corequisite: Principles of Math 12, or MATH 0600 or equivalent, is strongly recommended

COMP 0400
Fundamentals of Computing *1 credit (0,0,5)*

ABE - Intermediate: This course is designed to introduce students to the personal computer environment at a basic level. Students become familiar with computer equipment, terminology and basic software applications. They also gain basic skills using Microsoft Windows, file management, word processing, keyboarding, email and the web browsing. Note: This course is taught by the University & Employment Preparation

COMP 0500
Introduction to Personal Computers *3 credits (1,2,2)*

ABE - Advanced: This course is designed to introduce students to the personal computer environment at an advanced level. Students gain basic computing skills, including File Management (Microsoft Windows), the Internet, Email, Word Processing (Microsoft Word), Spreadsheets (Microsoft Excel), and Microsoft PowerPoint. Historical and social issues arising from the use of computer technology is also covered. Note: This course is taught by the University & Employment Preparation

Required Lab: COMP 0500L

COMP 0600
Introduction to Programming *3 credits (2,0,4)*

ABE - Provincial: A programming course designed for students who are planning to take a first year course in computer programming at the college or university level, CSOM or as a prerequisite for COMP 1130. It assumes no previous experience on computers and aims to develop problem solving skills and knowledge of a computer language. Students' learn the VISUAL BASIC.NET programming language. Note: This course is taught by the University & Employment Preparation

Prerequisite: Principles of Math 11 or MATH 0510, COMP 0500 or instructor's permission.

COMP 0650
Introduction to Desktop and Web Publishing *3 credits (0,5,0)*

ABE V Provincial: This is a computer studies application course intended to develop problem-solving and critical thinking skills using computer application software, including Adobe Photoshop and InDesign. Students develop Desktop Publishing, Digital Photograph manipulation and Web page creation skills. Note: This course is taught by the University & Employment Preparation

Prerequisite: COMP 0500 (or equivalent), ENGL 0500 (or equivalent) or instructor's permission.

EDCP 0300
Education and Career Preparation 1 *3 credits (5,0,0)*

This adult basic education fundamentals course focuses on preparing adult learners with the life and employment skills required for successful employment. Students prepare to pursue various occupational and educational goals and to make effective decisions about their long- and short-term goals. There are eight diverse components to this program. They include communications skills, career exploration skills, study skills and time management, interpersonal skills and cooperation, personal skills, living skills, job preparation, and setting an educational plan. Students participate in a series of experiential modules.

EDCP 0400
Education and Career Preparation 2 *3 credits (5,0,0)*

This adult basic education intermediate course focuses on preparing adult learners with the life and employment skills required for successful employment. Students prepare to pursue various occupational and educational goals, and to make effective decisions about their long- and short-term goals. There are eight diverse components to this program: communications skills, career exploration skills, study skills and time management, interpersonal skills and cooperation, personal skills, living skills, job preparation, and setting an educational plan. Students participate in a series of experiential modules. Note: This course is taught by the University & Employment Preparation.

ENGL 0300
Fundamentals of English *4 credits (8,0,0)*

ABE - Fundamentals: This course combines reading and writing to provide students with a greater ability to cope in work and educational situations. Students will practice reading and writing skills, and develop basic grammer. Note: This course is taught by the University & Employment Preparation

ENGL 0400
Basic Language Skills *4 credits (6,0,0)*

ABE - Intermediate: This course is designed to provide students with the knowledge, skills, and strategies to enter higher level courses. It is based on the following core skills: vocabulary development, reading, writing and study skills. Note: This course is taught by the University & Employment Preparation

Prerequisite: Completion of ENGL 0300, or English 9, or equivalent, with a B or better; or placement on the TRU entry assessment tests at an 0400 level in English

ENGL 0500
Developing Writing Skills *4 credits (6,0,0)*

ABE - Advanced: A basic writing skills course which covers mechanics, sentence structure, grammar and composition. The major modes of writing (description, narration, and exposition) are covered. Note: This course is taught by the University & Employment Preparation

Prerequisite: Successful completion of ENGL 0400 or English 10, or equivalent with a C+ or better or Communications 12 with a C+ or better

ENGL 0600
Literature & Composition *4 credits (6,0,0)*

ABE - Provincial: ENGL 0600 is a Provincial Level (Grade 12 equivalency) course which prepares students for the demands of compositions required in academic courses. It provides for further development of writing and thinking skills begun in earlier levels. Students work with a variety of rhetorical models for essay development. Also included is a critical analysis of selected works of prose and poetry. Note: This course is taught by the University & Employment Preparation

Prerequisite: ENGL 0500 or English 11 or equivalent, with a C+ or better, or completion of all of ESAL 0570 and 0580 with a grade of C or better

ENGL 0620
Aboriginal Lit & Composition *4 credits (6,0,0)*

ABE - Provincial: ENGL 0620 is a Provincial Level (Grade 12 equivalency) course which prepares students for the demands of compositions required in academic courses. It is an alternate course to ABE - Provincial and, as such, can be taken in the place of ENGL 0600. It provides for further development of writing and thinking skills begun in earlier levels. Students work with a variety of rhetorical models for essay development. It will include activities that are delivered in a way that maximizes the learning potential of Aboriginal learners (including learners' circles with talking sticks, oral presentations, and elders' presentations) and that helps ease entry of Aboriginal students into a university setting. Also, it includes a critical analysis of selected works of prose and poetry, many of which will be written by Aboriginal authors or which will cover topics relevant to Aboriginal issues.

Prerequisite: Successful completion of ENGL 0500 or English 11 or equivalent with a C+ or better or completion of all ESAL 0570 and ESAL 0580 with a grade of C or better or based upon the results of an Accuplacer assessment.

Note: Students cannot receive credit for both ENGL 0600 and ENGL 0620

ESAL 0120
Basic Grammar *3 credits (4,0,0)*

Students learn basic forms of English Grammar including simple and progressive verb tenses, parts of speech, prepositions, and an introduction to modals. Students practice these structures through communicative and functional activities.

Prerequisite: Placement according to English placement test.

ESAL 0130
Basic Integrate Language Skill *3 credits (4,0,0)*

This course offers integrated skills with an emphasis on improving English proficiency and understanding of Canadian culture. It includes continued practice in listening, speaking, pronunciation, vocabulary building, grammar, reading, writing and learning strategies. It also includes using computer technology and university and community resources.

Prerequisite: Placement according to English placement test.

ESAL 0140
Integrated Oral Skills *8 credits (16 hours)*

This course is designed to integrate basic English oral skills with academic study skills. Students practice listening, speaking, pronunciation, and vocabulary as well as North American learning strategies. These skills will be taught through a communicative approach.

Prerequisite: Placement according to English placement test.

ESAL 0150

Basic Oral Communication ***3 credits (4,0,0)***

Through listening comprehension and oral performances, students practice their communication skills. Students learn to comprehend the main ideas in short passages and listen for specific detail as well as engage in short conversations, report personal information, and express opinions.

Prerequisite: Placement according to English placement test.

ESAL 0160

Integrated Written Skills ***4 credits (8,0,0)***

Students focus on basic reading and writing skills. The course places emphasis on introduction to simple vocabulary, sentence structure, punctuation, as well as reading comprehension. Concurrently, to facilitate cultural adaptation, students are introduced to common themes and issues in Canadian life through the course readings.

Prerequisite: Placement according to English placement test.

ESAL 0170

Basic Reading Skills ***3 credits (4,0,0)***

This course focuses on reading strategies. Emphasis is on vocabulary growth and comprehension and expression of the main idea. Students develop study and reading skills such as pre-reading and reading rate strategies.

Prerequisite: Placement according to English placement test.

ESAL 0174

Reading Enrich Lab - Level 1 ***1 credit (0,0,3)***

This lab is a supplemental class designed to support the acquisition of reading in the English language at a high-beginner level. The purpose of this lab is to support ESAL 0170: Basic Reading Skills, a high-beginner reading course, and to provide extra support for students, especially in vocabulary development, spelling and communication.

Prerequisite: Placement according to English placement test at Level 1 reading.

Corequisite: ESAL 0170

ESAL 0180

Basic Writing Skills ***3 credits (4,0,0)***

This course focuses on writing strategies. Emphasis is on development of sentence structure and sentence variety to the paragraph level. Students are also introduced to the paragraph form, including expression of the main idea in topic sentences.

Prerequisite: Placement according to English placement test.

ESAL 0184

Writing Enrichment Lab - Level 1 ***1 credit (0,0,3)***

This lab is a supplemental class designed to support the acquisition of writing in the English language at a high-beginner level. The purpose of this lab is to support ESAL 0180: Basic Writing Skills, a high-beginner writing class, and to provide extra support for students with vocabulary development, spelling, sentence structure, and rhetorical styles.

Prerequisite: Placement according to English placement test at Level 1 writing.

Corequisite: ESAL 0180

ESAL 0220

Pre-Intermediate Grammar ***3 credits (4,0,0)***

This course is intended to assist students in improving and practicing their spoken English and written grammar. Students study past, present and future verb tenses in the simple, progressive and perfect forms. Students also study phrasal verbs, comparatives, prepositions, modals, determiners, articles, and agreement.

Prerequisite: Satisfactory completion of ESAL 0120 (C+ or better) or placement according to English placement test.

ESAL 0230

Pre-Intermediate Integrated Language Skills

3 credits (4,0,0)

This course integrates language skills with an emphasis on improving English proficiency and understanding of Canadian culture. It includes continued practice in listening, speaking, pronunciation, vocabulary building, grammar, reading, writing and learning strategies. Students also use computer technology, and university and community resources.

Prerequisite: Satisfactory completion of ESAL 0130 (C+ or better) or placement according to English placement test.

ESAL 0250

Pre-Intermediate Oral Skills ***3 credits (4,0,0)***

Students improve their communication skills by developing their listening and speaking skills.

Prerequisite: Satisfactory completion of ESAL 0150 (C+ or better) or placement according to English placement test.

ESAL 0270

Pre-Intermediate Reading Skill ***3 credits (4,0,0)***

This reading course continues to strengthen basic skills of vocabulary development and comprehension with a variety of written material of gradually increasing difficulty. The objective is to progress from mechanical to more meaningful reading.

Prerequisite: Satisfactory completion of ESAL 0170 (C+ or better) or placement according to English placement test.

ESAL 0274

Reading Enrich Lab - Level 2 ***1 credit (0,0,3)***

This lab is a supplemental class designed to support the acquisition of reading in the English language at a pre-intermediate level. The purpose of this lab is to support ESAL 0270: Pre-Intermediate Reading Skills, and to provide extra support for students, especially in vocabulary development, spelling and communication.

Prerequisite: Satisfactory completion of ESAL 0170 (C+ or better) or placement according to English placement test.

Corequisite: ESAL 0270

ESAL 0280

Pre-Intermediate Writing Skill ***3 credits (4,0,0)***

This introductory composition course for second language students focuses on recognizing and practicing grammatical structures and sentence patterns, within the familiar thematic context of shared personal and cultural experience. Pre-writing and revision strategies are introduced.

Prerequisite: Satisfactory completion of ESAL 0180 (C+ or better) or placement according to English placement test.

ESAL 0284

Writing Enrich Lab - Level 2 ***1 credit (0,0,3)***

This lab is a supplemental class designed to support the acquisition of writing in the English language at a pre-intermediate level. The purpose of this lab is to support ESAL 0280: Pre-Intermediate Writing Skills, and to provide extra support for students with vocabulary development, spelling, sentence structure, and rhetorical styles.

Prerequisite: Satisfactory completion of ESAL 0180 (C+ or better) or placement according to English placement test.

Corequisite: ESAL 0280

ESAL 0320

Intermediate Grammar 1 ***3 credits (4,0,0)***

Within the relevant academic contexts, a variety of difficult structures in English grammar are examined and practiced both orally and in written work. Structures include the tense aspect system; phrasal verbs; modal meanings, and the use of prepositions.

Prerequisite: Satisfactory completion of ESAL 0220 (C+ or better) or placement according to English placement test.

ESAL 0340

Intermediate Grammar 2 ***3 credits (4,0,0)***

Within the relevant academic contexts, a variety of increasingly difficult structures in English grammar are examined and practiced for a better understanding of their uses. Structures include articles, count and non-count nouns and expressions of quantity, subject-verb agreement, the passive voice, gerunds and infinitives, and conditional sentences.

Prerequisite: Satisfactory completion of ESAL 0220 (C+ or better) or placement according to English placement test.

ESAL 0350

Intermed Oral Communication ***3 credits (4,0,0)***

This course is designed to enable students to refine conversational skills for the purpose of participating in academic discussions. This course focuses on acquiring strategies for effective oral communication. Students participate in group discussions, give oral presentations and practice their listening skills.

Prerequisite: Satisfactory completion of ESAL 0230 and ESAL 0250 (C+ or better) or placement according to English placement test.

ESAL 0370

Intermediate Reading and Study Skills ***3 credits (4,0,0)***

Students continue to develop their vocabulary and build comprehension with a variety of reading selections of increasing difficulty. Reading materials include those selected by students and provide the basis for discussion, writing activities, study skill practice, and testing.

Prerequisite: Satisfactory completion of ESAL 0270 (C+ or better) or placement according to English placement test.

ESAL 0374
Reading Enrich Lab - Level 3 *1 credit (0,0,3)*

This lab is a supplemental class designed to support the acquisition of reading in the English language at an intermediate level. The purpose of this lab is to support ESAL 0370: Intermediate Reading and Study Skills, and to provide extra support for students, especially in vocabulary development, spelling, and communication.

Prerequisite: Satisfactory completion of ESAL 0270 (C+ or better) or placement according to English placement test.

Corequisite: ESAL 0370

ESAL 0380
Intermediate Composition *3 credits (4,0,0)*

This writing course focuses on academic paragraph writing. Various forms and purposes for paragraph writing are analyzed and practiced. Sentence skills are reviewed and essay writing is introduced.

Prerequisite: Satisfactory completion of ESAL 0280 (C+ or better) or placement according to English placement test.

ESAL 0384
Writing Enrichment Lab - Level 3 *1 credit (0,0,3)*

This lab is a supplemental class designed to support the acquisition of writing in the English language at an intermediate level. The purpose of this lab is to support ESAL 0380: Intermediate Composition, and to provide extra support for students with vocabulary development, spelling, sentence structure, and rhetorical styles.

Prerequisite: Satisfactory completion of ESAL 0280 (C+ or better) or placement according to English placement test.

Corequisite: ESAL 0380

ESAL 0420
Advanced Grammar *3 credits (4,0,0)*

The purpose of this course is to support advanced academic writing, by developing and refining the grammar and editing skills necessary to detect and remedy common ESL writing problems. While the focus is on accuracy, this course also includes logical analysis of the components of a composition, and editing for improved clarity and effectiveness.

Prerequisite: ESAL 0320 with a 65% Minimum grade and ESAL 340 with a 65% Minimum grade or a level 4 standing on the English Placement Test.

ESAL 0450
Advanced Oral Communication *3 credits (4,0,0)*

Students practice strategies for speaking clear and appropriate English in a variety of academic situations. Attention to fluency, pronunciation, and intonation is emphasized.

Prerequisite: Satisfactory completion of ESAL 0350 (C+ or better) or placement according to English placement test.

ESAL 0470
Advanced Reading and Study Skills *3 credits (4,0,0)*

This course includes a wide range of fictional and nonfictional reading. Emphasis is on the analysis and evaluation of form and content as well as on pre-reading strategies and vocabulary development. Study skills include note-taking, paraphrasing, and summarizing.

Prerequisite: Satisfactory completion of ESAL 0370 (C+ or better) or placement according to English placement test.

ESAL 0480
Advanced Composition *3 credits (4,0,0)*

This course reviews the paragraph as a component of the English essay. Emphasis is on the planning, development, and revision of multi-paragraph compositions. Students focus on specific problems with their writing and practice editing.

Prerequisite: Satisfactory completion of ESAL 0380 (C+ or better) or placement according to English placement test.

ESAL 0570
Academic Reading Skills *3 credits (4,0,0)*

This course is designed to prepare students for reading university level material effectively and efficiently. Specific approaches to reading are taught for factual and fictional writing. Emphasis is on the short story.

Prerequisite: Satisfactory completion of ESAL 0450 and ESAL 0470 (C+ or better) or placement according to English placement test.

Note: ESAL 0450 may also be taken as a corequisite.

ESAL 0580
Academic Writing *4 credits (6,0,0)*

This course focuses on the process of writing. However, integral to the writing process are the skills of reading and listening, actively and critically. Collaboration and teamwork are important components of this course, as well. These skills enhance writing ability and also contribute generally to success in both education and employment. Students are expected to read, research, discuss, and work co-operatively, as part of the composition process.

Prerequisite: Satisfactory completion of ESAL 0420 and ESAL 0480 (C+ or better) or placement according to English placement test.

Corequisite: ESAL 0420

ESAL 0640
Preparation for Standardized English Language Testing - Level 1
3 credits (4,0,0)

Designed for high-beginner students, this course assists Level 1 students in their preparation for standardized tests of English as a Second Language. Students study the format of standardized tests of English as a Second Language and develop strategies for answering commonly asked questions. Students are also encouraged to draw upon the skills they are learning in their other courses.

Prerequisite: Placement according to English placement test in Level 1.

ESAL 0740
Preparation for Standardized English Language Testing - Level 2
3 credits (4,0,0)

Designed for pre-intermediate students, this course assists Level 2 students in their preparation for standardized tests of English as a Second Language. Students study the format of standardized tests of English as a Second Language and develop strategies for answering commonly asked questions. Students are also encouraged to draw upon the skills they are learning in their other courses.

Prerequisite: Satisfactory completion (C+ or better) of ESAL Level 1 or placement according to English placement test.

ESAL 0820
Intermediate Listening *3 credits (4,0,0)*

Students are provided opportunities to practice their listening skills in the performance of a variety of increasingly challenging tasks. Students acquire strategies to improve their comprehension of the varieties of English encountered in social and academic environments.

Prerequisite: Satisfactory completion (C+ or better) of Level 2 ESAL or placement according to English placement test.

ESAL 0840
Preparation for Standardized English Language Testing - Level 3
3 credits (4,0,0)

Designed for intermediate students, this course assists Level 3 students in their preparation for standardized tests of English as a Second Language. Students study the format of standardized tests of English as a Second Language and develop strategies for answering commonly asked questions. Students are also encouraged to draw upon the skills they are learning in other courses.

Prerequisite: ESAL 0220 with a minimum grade of 65% ESAL 0230 and ESAL 250,with a min grade of 65% ESA 0270,with a min grade of 65% ESAL 280 orwith a min grade of 65% a level 3 standing on the English Placement Test

ESAL 0860
Intermediate Vocabulary for Academic English
3 credits (4,0,0)

An elective designed for intermediate students, this course is useful for any intermediate student taking or planning to take academic courses. Students are introduced to specific words that are useful in a wide range of academic disciplines. Both the active and passive use of vocabulary is emphasized.

Prerequisite: ESAL 250, ESA 0270, with a min of 65%, or a level 3 standing on the English Placement test.

ESAL 0880

Intermediate Pronunciation ***3 credits (4,0,0)***

For intermediate learners of English, this course is designed to improve the comprehension of spoken English, and intelligibility when speaking English. It helps students develop auditory sensitivity and improve accuracy, fluency, and confidence in their oral production of English. Phonological features are examined in isolation and in the context of meaningful passages.

Prerequisite: Satisfactory completion (C+ or better) of Level 3 ESAL or placement according to English placement test.

ESAL 0920

Advanced Listening Skills ***3 credits (4,0,0)***

This course builds on previously developed listening skills. The course focuses on the listening skills required to process an academic lecture. Students identify the ideas and organization of lecture material, discussions, and debate, using specific listening skills. The information students hear is used for note-taking and other related activities.

Prerequisite: ESAL 0350 with a C+ minimum or placement according to English placement test.

ESAL 0940

Preparation for Standardized English Language Testing

3 credits (4,0,0)

Designed for high-intermediate to advanced students, students are assisted in their preparation for standardized tests of English as a Second Language. Students study the format of standardized tests of English as a Second Language and develop strategies for answering commonly asked questions. Students also are encouraged to draw upon the skills they are learning in other courses.

Prerequisite: Satisfactory completion (C+ or better) of Level 3 ESAL or placement according to English placement test.

ESAL 0950

Advanced English for Business Communication

3 credits (4,0,0)

This course is intended to prepare ESL students who are planning to enter or who are currently enrolled in a business related course. This course offers the opportunity to work on all four basic communicative skills (listening, speaking, reading, and writing) while using the vocabulary and specialized requirements of business communications. Students develop and apply advanced technological skills as well.

Prerequisite: Satisfactory completion (C+ or better) of Level 4 ESAL or placement according to English placement test.

ESAL 0960

Advanced Vocabulary for Academic English

3 credits (4,0,0)

An elective designed for advanced students, this course is useful for any student for whom the vocabulary of academic English presents a challenge. This course introduces and reinforces strategies for becoming independent learners of vocabulary, and also teaches specific words useful in academic study. Vocabulary is linked with general knowledge to provide context as well as to add interest. While passive vocabulary (word recognition) is emphasized, the course also facilitates active use of new vocabulary.

Prerequisite: ESAL 0350 and ESA 0370 with a C+ minimum placement according to English placement test.

ESAL 0980

Advanced Pronunciation ***3 credits (4,0,0)***

For high-intermediate to advanced learners of English, this course is designed to improve the comprehension of spoken English, and intelligibility when speaking English. Students develop skills to assist them in predicting, producing, and perceiving the pronunciation of words and phrases. Students at the university level whose goals demand above-average oral skills and a wide range of active vocabulary will find this course particularly relevant and valuable.

Prerequisite: ESAL 0350 and ESA 0370 with a min grade of 65%, or a level 4 standing on the English Placement test.

ESAL 0990

Special Topics in Language Study ***3 credits (4,0,0)***

This course provides an in-depth exploration of aspects of the English languge and surrounding culture. The specific content and focus is determined in the semester prior to its being offered. (Information is available from the Department Chair or International Student Advisor.)

Prerequisite: Satisfactory completion (C+ or better) of Level 3 ESAL or placement according to English placement test.

ESTR 0010

Workplace Communication ***3 credits (4,0,0)***

This is a course in interpersonal communication. Students will learn the importance of communication in the work environment. Students will be given the opportunity to learn to use communication skills effectively. Listening, speaking and comprehension skills will be taught and practiced. Students will learn assertiveness skills, anger management skills and how to accept feedback constructively.

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0020

Workplace Employability ***3 credits (5,0,0)***

This course begins by describing those skills needed by an effective and reliable employee. The following topics are covered in detail: grooming and hygiene, honesty, job relationships, punctuality, following directions, motivation and productivity. The emphasis is on maintaining those skills needed to keep a job. Students will be evaluated on their ability to demonstrate these skills.

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0060

Health and Safety ***3 credits (4,0,0)***

In this course, students will learn about health and safety as it relates being safe and successful in the workplace. Topics include nutrition, wellness, back safety, fire safety, and Workplace Hazardous Materials Information Systems. Students will learn in an interactive setting aimed to allow the concepts covered in class to be integrated into their present lifestyle.

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0070

Job Search and Maintenance ***3 credits (5,0,0)***

This course will present skills needed in order to conduct a job search and prepare for job interviews. Students will learn networking skills; prepare job applications, a resume, cover and thank you letters. The students will be made aware of self advocacy skills and be connected to any local agencies that would be able to assist them in their job search.

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0080

Workplace English and Written Communication

3 credits (4,0,0)

This course focuses on the reading and writing skills needed in a workplace environment. The content of the course is individualized to met the needs of the student and is also related to their area of occupational skills training (kitchen, retail or automotive). Materials that offer the student the opportunity to locate relevant information, understand and read the information and complete applicable writing tasks are provided.

Prerequisite: Completion of Education Skills Training general courses

ESTR 090

Workplace Mathematics ***3 credits (4,0,0)***

This course focuses on the math skills needed in the workplace environment. The content of the course is individualized to meet the needs of the student and is also related to their area of occupational skills training (kitchen, retail or automotive worker). Topics in measurement, fractions, percent and money are included.

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0100

Practical Experience 3 ***3 credits (0,0,20)***

Students in the general educational stream of the Educational Skills Training Program are required to complete their program with a four-week practicum in an organization in their field of interest. Students will be required to work perform the duties of an entry-level employee. Work experience opportunities are negotiated for each student to suit their needs and the employers.

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0110

Practical Experience 2 ***5 credits (0,0,20)***

Students complete the Educational Skills Training Program with a six-week practicum in a business related to their field of training (Kitchen, Retail or Automotive). Students will be required to work at least 20 hours per week and perform the functions of an entry-level employee. Students are expected to demonstrate the skills learned in the program. Students must successfully complete the practicum in order to graduate from the program.

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0120
Self and Community Awareness *3 credits (5,0,0)*

In this course students explore their values and goals with regards to workplace success. Students are led through a variety of self assessments and self discovery tools to determine the field to which they are best suited. Students are also exposed to a variety of occupational fields in the form of vocational tours of Kamloops businesses. Students will begin an Individual Employment Plan (IEP) that outlines their future plans. Completion of the IEP will be required in the Career Awareness course.

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0130
Workplace Academics 1 *3 credits (5,0,0)*

This is an individualized course where students improve their skills both in literacy and math as it relates to the workplace. Some of the topics include: reading and following directions, work vocabulary, taking messages, using a calculator and money skills. Students are evaluated on the ability to demonstrate skills and show improvement in each of these topics.

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0140
Workplace Academics 2 *3 credits (5,0,0)*

This is a continuation of Workplace Academics 1. Students will increase their competencies in both math and reading/writing skills. The instruction in this course is individualized so that students will be challenged at their level of competence. Some of the topics include: measurement using the metric system, finding and reading information and writing simple messages and letters.

Prerequisite: ESTR 0130

ESTR 0150
Career Awareness *3 credits (5,0,1)*

This course examines different occupations and issues related to the work environment. The student decides which occupations they want to consider and completes a job and self assessment process to determine what skills and knowledge each occupation requires and matches their skills, knowledge and abilities to those required in different jobs. In order to complete the course, a vocational plan outlining the students immediate and one to five year goal is required (Individual Employment Plan).

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0160
Intro to Workplace Experience *5 credits (0,0,20)*

Students will choose an entry level placement that will be matched with their interest and ability. The placement will be 4 weeks in length with the maximum of 20 hours per week determined by arrangement with the employer. Students will learn skills necessary for successful employment and will be monitored by the Work Experience Coordinator.

Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 0210
Kitchen Theory 1 *3 credits (3,0,3)*

Food theory concepts will be taught in a classroom setting and a smaller kitchen lab will be used to practice basic kitchen skills in a safe environment. Safety and Sanitary Procedures will be emphasized.

Prerequisite: Admission into Educational Skills and Training Certificate Program. Students need to have completed the General Stream option or achieve a Level 5 Reading Level on the Brigance Inventory of Basic Skills

ESTR 0220
Kitchen Experience 1 *2 credits (0,0,6)*

In this course students will begin to learn those skills needed to work in a commercial kitchen. Students will learn kitchen clean-up, sanitation, basic food preparation, and use of kitchen equipment and machines. Safety will be stressed. Students will work in the CAC cafeteria where they will learn to follow directions, organize work and work as a team member.

Prerequisite: Admission into Educational Skills and Training Certificate Program. Students will need to have completed the General Stream option or achieve a Level 5 Reading level on the Brigance Inventory of Basic Skills.

ESTR 0230
Automotive Theory 1 *3 credits (3,0,3)*

In this course students will be trained in Safety Procedures required in the Automotive Service Industry. This will help students to recognize and avoid dangerous situations. Students will be taught the use of basic hand tools and will make a tool that they can add to their toolbox. Basic Automobile Systems will be covered in this course to familiarize students with the workings of a car. These skills and information will help them fulfill their employment goals in this field.

Prerequisite: Admission into Educational Skills and Training Certificate Program. Students need to have completed the General Stream option or achieve a Level 5 Reading level on the Brigance Inventory of Basic Skills.

ESTR 0240
Automotive Experience 1 *2 credits (0,0,6)*

In this course students will be trained in Safety Procedures in an automotive shop. This is essential for students to recognize dangerous situations and how to avoid them. Students will be trained in the use of basic hand tools, in the making of a tool that will be able to be kept for latter use. The basic automobile systems covered in the theory course will be demonstrated on a vehicle to familiarize students, to help remove the fear of the unknown. Tire service and oil changes and detailing will be a major part of the shop time.

Prerequisite: Admission into Educational Skills and Training Certificate Program. Students need to have completed the General Stream option or achieve a Level 5 Reading level on the Brigance Inventory of Basic Skills.

ESTR 0250
Retail Theory 1 *3 credits (3,0,3)*

In this course, students will be exposed to the skills needed to work successfully in a retail environment. These skills include teamwork and customer relations' skills. Students will also learn a variety of organizational skills including time management, numeric filing and alphabetic filing. Money skills will also be covered, including counting money accurately and counting back change.

Prerequisite: Admission into Educational Skills and Training Certificate Program. Students need to be able to count money accurately.

ESTR 0260
Retail Experience 1 *2 credits (0,0,6)*

This course reinforces the theory component with hands-on experience in a real time environment. Students will be given experience in general clean-up, shelving, merchandising and inventory control. Students will demonstrate appropriate communication skills, teamwork and time management.

Prerequisite: Admission into Educational Skills and Training Certificate Program. Students need to be able to count money accurately.

ESTR 0310
Kitchen Theory 2 *3 credits (3,0,3)*

This course is a continuation of the fall semester. Students will build on learned food theory concepts and test their knowledge in the kitchen lab. Food groups will be presented and students will prepare recipes. Accurate measurement, organization and following directions will be stressed. Students will prepare to write Food Safe Test.

Prerequisite: ESTR 0220

ESTR 0320
Kitchen Experience 2 *2 credits (0,0,6)*

Students in this course will continue in the CAC kitchen where they will become aware of the daily operation of a commercial kitchen and develop the necessary speed to perform routine commercial kitchen tasks.

Prerequisite: ESTR 0220

ESTR 0330
Automotive Theory 2 *3 credits (3,0,3)*

In this course students will be trained in more detail the different systems that make up the automobile. The use of air impact tools will be introduced to gain skill and speed that shops require. Shop maintenance will be covered to help students fit into the shop environment.

Prerequisite: ESTR 0230

ESTR 0340
Automotive Experience 2 *2 credits (0,0,6)*

In this course, students review Safety Procedures in an automotive shop. This will help students to recognize dangerous situations and what to do. Students will be trained in the use of basic hand tools, and the use of air impact wrenches. The Automobile Systems covered in the theory course will be studied in more detail then demonstrated on a vehicle. Tire service and oil changes and detailing is still a major part of the shop

time, but more time is spent on minor tasks that are included in the maintenance of an automobile.

Prerequisite: ESTR 0240

ESTR 0350

Retail Theory 2 *3 credits (3,0,3)*

In this course students will continue to learn those skills needed to work in a retail environment. Telephone skills and sales techniques will be taught in this part of the course. Students will continue working on money skills including cash register reports, and calculating sales tax, markups and markdowns.

Prerequisite: ESTR 0250

ESTR 0360

Retail Experience 2 *2 credits (0,0,6)*

This course is a continuation of the fall semester. Students will be given the opportunity to improve the quality and speed of their duties. Students will be given more experience in inventory control, merchandising, including using a Point of Sale System (POS) and pre-inventory preparation.

Prerequisite: ESTR 0260

ESTR 0370

Advanced Topics in Job Selection and Job Search

3 credits (3,0,0)

This course is intended for those students who have completed the core courses of the ESTR program and are continuing in one of the occupational skills training areas. Students will learn to research and evaluate a business in terms of it relating to the students personal interests, skills and chances of long-term success. Students will also review and enhance their job search skills including their resume, interview techniques, and following up after interviews and after a temporary lay off.

Prerequisite: Admission into the ESTR program. Successful completion of four core courses: ESTR 0010, ESTR 0020, ESTR 0060 and ESTR 0070.

ESTR 0380

Adv Topics Workplace Success *3 credits (3,0,0)*

This course is intended for those students who have completed the core courses of the ESTR program and are continuing in one of the occupational skills training areas. Emphasis on topics that will enhance an individual's ability to keep a job and plan for long term career success will be emphasized. Students will learn what today's employers expect of their employees and how to behave to be able to meet these demands successfully.

Prerequisite: Admission into the ESTR program. Successful completion of four core courses: ESTR 0010, ESTR 0020, ESTR 0060 and ESTR 0070.

MATH 0300

Fundamental Math *4 credits (8,0,0)*

ABE - Fundamental: Math 0300 is an entry-level math course which focuses on operations which involve whole numbers, fractions, decimal, percent and measurement. Problem solving is practiced in all topic areas. Note: This course is taught by the University & Employment Preparation

MATH 0400

Basic Math Skills *4 credits (6,0,0)*

ABE - Intermediate: A course of basic math skills which include a review of whole numbers, decimals, fractions, and percentage. Additional topics include the metric system, geometry and introductory algebra. Note: This course is taught by the University & Employment Preparation

Prerequisite: Completion of MATH 0300 or Math 9 or equivalent with a B or better; or placement on the TRU entry assessment tests at an 0400 level in Math

MATH 0410

Algebra 1 *4 credits (6,0,0)*

ABE- Intermediate: Math 0410 prepares students for entry into Math 0510 or Math 0520. Topics include a review of basic math skills, graphing linear equations, operations with polynomials, inequalities, solving first and second degree equations and systems of two equations, simplyifying and solving rational and radical expressions adn equations, and an introduction to right-triangle trigonomentry. Together with math 0400, this course fulfills ABE-Intermediate (Grade 10 equivalency) requirements.

Prerequisite: Minimum C+ standing in Math 0400 or an equivalent level math course, or placement on the TRU entry assessment tests at a Math 0410 level.

MATH 0510

Algebra 2 *4 credits (6,0,0)*

ABE - Advanced: An advanced treatment of the topics covered in MATH 0410 with the additional topics of quadratic equations, functions and graphs; rational and radical equations; inequalities and sets; and the trigonometric laws of sines and cosines. Note: This course is taught by the University & Employment Preparation

Prerequisite: Minimum C standing in MATH 0410 or Introductory Math 11

MATH 0520

Foundations of Mathematics *4 credits (6,0,0)*

ABE - Advanced: This course is designed to prepare students with the math skills necessary for entry to programs or courses where Foundations of Math 11 is a prerequisite. Topics include basic algebra, rates, linear relations, systems of linear equations/inequalities, quadratic function s, geometry, and trigonometry.

MATH 0600

Pre-Calculus 1 *4 credits (6,0,0)*

ABE - Provincial: This course is designed to give students the necessary background to study Calculus. Topics include a review of intermediate algebra, introduction to functions, a study of linear, quadratic, logarithmic and trigonometric functions. Together with MATH 0610 fulfills ABE - Provincial Level (Grade 12 equivalency) requirements. Note: This course is taught by the University & Employment Preparation

Prerequisite: Minimum C standing in MATH 0510 or Principles of Math 11

MATH 0610

Pre-Calculus 2 4 credits (6,0,0)

ABE - Provincial: Builds on topics covered in MATH 0600. Also includes complex numbers, arithmetic and geometric sequences and series and an introduction to calculus. Together with MATH 0600, fulfills ABE Provincial Level (Grade 12 equivalency) requirements. Note: This course is taught by the University & Employment Preparation

Prerequisite: Minimum C standing in MATH 0600 or MATH 1000

NAST 0500

Intro to First Nations Studies 4 credits (6,0,0)

ABE - Advanced: This course provides students with an overview of historical and current social, economic, and political issues concerning Native people. Note: This course is taught in Williams Lake

NAST 0600

Overview First Nations Studies 4 credits (6,0,0)

In this course, students explore issues related to the role of elders, women, and leaders in matters pertaining to health, education, justice, and economical development in First Nations communities and off-reserve communities. Using the articles found in the textbook as a guide, the instructor will draw upon community resources to supplement the course content. Classroom activities will include presenting in small groups and conducting library and Internet searches.

Prerequisite: ENGL 0500 or equivalent

PHYS 0500

Introduction to Physics 1 4 credits (5,0,2)

ABE - Advanced: This course is suitable for students with little or no physics background. Physics 0500 examines the basic principles upon which the discipline of physics is founded. In doing so, it provides students with a new perspective from which to view the world around them and with a solid content basis for future courses in physics should this be the objective. The course is oriented toward developing experimental and problem solving skills. Note: This course is taught by the University & Employment Preparation

Required Lab: PHYS 0500L

Prerequisite: MATH 0410

PHYS 0600

Introduction to Physics 2 4 credits (5,0,2)

ABE - Provincial: This course is an indepth study of the principles of scientific measurement, vectors, two-dimensional kinematics and dynamics, electrostatics, electromagnetism, vibrations and waves and optics. Physics 0600 is a Provincial level (grade 12 equivalency) physics course. It will prepare students for university, trades and technology programs which require Physics 12 as a prerequisite. The course is primarily theoretical and places an emphasis on the mathematical analysis of physical phenomena and the development of problem solving and experimental skills. Note: This course is taught by the University & Employment Preparation

Required Lab: PHYS 0600L

Prerequisite: PHYS 0500 or Physics 11 and MATH 0510 or Principles of Math 11

PSYC 0500

Psychology **3 credits (4,1,0)**

An introductory psychology course at the ABE Advanced level, with an emphasis on active learning, critical thinking, and student involvement in all major topical areas of psychology. This course may be used as credit toward the Adult Graduation Diploma. Note: This course is taught by the University & Employment Preparation

Prerequisite: ENGL 0400 or equivalent

SOSC 0600

Intro to Social Sciences **4 credits (6,0,0)**

This course provides an overview of the following disciplines of social science: Anthropology, Psychology, Political Science, Sociology and History. Note: This course is taught by the University & Employment Preparation

Prerequisite: ENGL 0500 or equivalent

STSS 0500

An Introduction to Student Success **3 credits (4,0,0)**

This course is designed for University Preparation students to enhance their learning skills and to promote success in lifelong learning. The course is experimental in nature with practical applications, and includes small group activities designed to improve student success.

Prerequisite: Completion of ENGL 0400 or equivalent

WKSK 0210

Workskills 1 ***390 Contact Hours***

In Workskills 1, students are introduced to and explore a variety of work environments and determine their particular interest, ability and aptitude for specific jobs, dependent on the individual student's functional skill level and availability of the placement. Students choose and participate in an appropriate work placement (work experience).

Prerequisite: Admission to Level 1 of the Work Skills Training (WST) Program.

WKSK 0220

Workskills 2

Workskills 2 builds on skills and abilities acquired and demonstrated by students in Workskills 1. Students are introduced to essential entry level skills in selected employment areas (as available). Students strive to improve work strengths and develop marketable skills, focusing on occupational/vocational interests and aptitudes with the clear goal of becoming employable and semi, or fully independent.

Prerequisite: Admission to Level 2 of the Work Skills Training (WST) Program.

100 Mile House Training & Education Centre, 236

A

Aboriginal Studies Certificate, 106
Aboriginal Tourism Certificate, 61
Academic Advising, 230
Academic Advising (OM1100), 34
Academic Requirements
Entry Into Year 3, 173
Acceptance into the Program, 51, 55, 63
Accident Insurance Coverage for Students, 40
Accounting Certificate, 123
Accounting Technician Diploma, 119
Additional Fees, 13
Additional TRU Fees (Subject to change), 11
Administrative Charges (Subject to Change), 12
Admission – General Policy, 7
Admission for students holding a Bachelor of Science degree, 201
Admission From Secondary Schools Which Are Not Accredited Provincially, 7
Admission Of Mature Students, 8
Admission of Students Currently Enrolled in Secondary School, 7
Admission Process, 44, 48, 57, 58, 71, 126, 187
Admission Requirements, 43, 48, 51, 54, 57, 58, 60, 63, 65, 67, 70, 71, 74, 78, 80, 81, 82, 83, 84, 86, 87, 89, 91, 94, 95, 98, 99, 101, 103, 104, 105, 106, 107, 117, 124, 125, 127, 133, 135, 138, 139, 140, 143, 144, 146, 150, 151, 158, 161, 174, 176, 179, 182, 184, 186, 189, 190, 191, 192, 193, 195, 198, 201, 209, 212, 214, 215, 218, 219, 220, 221, 223, 225, 226, 227, 229, 234
Admission Requirements to the Honours program, 181
Admission to the Bachelor of Education (Elementary Specialization in Physical Education), 130
Admission to the Philosophy Major Program, 86
Admission to University Preparation:, 8
Admission Types, 6
Admission, Registration and Fees, 6
Adult Basic Education Intermediate Certificate, 142
Adult Basic Education Student Assistance Program, 36
Adult Graduation Diploma, 142
Advanced Credit, 147
Advanced Management Skills for Supervisors, 238
Advanced Placement and International Baccalaureate Programs, 8
Adventure Guide Diploma, 49
Adventure Management Diploma, 53
Adventure Sports Certificate, 61
Adventure Studies Major and Minor Programs, 45
Alternatives, 162
Animal Health Technology Diploma, 186
Animal Health Technology Distance Education Program (AHTDE), 184
Animal Welfare Certificate, 189
Application, 158
Application Deadlines, 57, 60, 91
Application for Admission, 128, 131
Application Procedure, 148
Application Process, 8, 51, 54, 63, 66, 67, 124, 138, 151, 180, 185, 187, 190, 191, 194, 195, 199, 201, 210, 219
Application Processing Fee, 12
Applications for Admission (Step 1), 6
Applied Business Technology Certificate, 233
Apprenticeship, 11
Apprenticeship Level I, 71
Apprenticeship Level II, 72
Apprenticeship Program, 213, 214, 217, 218, 223
Apprenticeship Program - Gasfitter, 228
Apprenticeship Program - Gasfitter Start Dates, 228
Apprenticeship Program - Plumber, 228
Apprenticeship Program - Plumber Start Dates, 228
Architectural and Engineering Technology Diploma, 190
Arts and Culture, 234
Ashcroft/Cache Creek Training & Education Centre, 236
Assessment Centre, 34
Assistant Status, 133
Associate of Arts (Modern Languages) Certificate, 103
Associate Of Arts Degree (AA), 98
Associate of Commerce and Business Administration Diploma, 120
Associate Of Science Degree (ASc), 182
Asthma Educators' Certificate, 189
Attendance Requirement, 143
Automotive Service Technician Programs, 212

B

Bachelor of Arts, 209
Bachelor of Arts Degree, 73
Bachelor of Business Administration, 209
Bachelor of Business Administration Degree, 109
Bachelor of Computing Science, 210
Bachelor of Computing Science Degree, 174
Bachelor of Education (Elementary) Degree, 127
Bachelor of Education Degree (Elementary Specialization in Physical Education), 130
Bachelor of Fine Arts (Visual Arts) Degree, 91, 100, 101, 102, 103, 107
Bachelor of Interdisciplinary Studies, 209
Bachelor of Interdisciplinary Studies Degree, 93
Bachelor of Journalism Degree, 94
Bachelor of Natural Resource Science, 209
Bachelor of Natural Resource Science Degree, 178
Bachelor of Science Degree, 160, 182
Bachelor of Science in Nursing (Year 1 & 2), 233
Bachelor of Science in Nursing Degree, 146
Bachelor of Science, Biology Major, 209
Bachelor of Science, Chemistry/Environmental Chemistry Major, 209
Bachelor of Science, Computing Science, 209
Bachelor of Science, Math, 209
Bachelor of Science, Physics Major, 210
Bachelor of Social Work Degree, 125
Bachelor of Tourism Management, 209
Barriere Training & Education Centre, 236
BBUS 1370, 209
Biology, 183
Biology Option, 160

Biology Programs, 165
Board of Governors Meetings, 39
Bookstore, 39
Bookstore Services, 231
Bridge-Out Certificates (combined ESL and content area Certificates), 141
Buses, 231
Business/Office Skills, 234

C

Campus Activity Centre, 39
Campus Card, 39
Canada Post Mail Boxes, 39
Canadian Mountain and Ski Guide Program, 64
Career Education, 209
Career Programs, 232
Careers, 88
Cariboo Childcare, A Non-Profit Society, 39
Carpentry Trades Programs, 213
Certificate in Water and Wastewater Utilities, 215
Certificate in World Languages and Cultures, 104
Certificate of Recognition - Global Competency, 36
Certificate Programs in Adult Basic Education, 142
Certified Respiratory Educator Certificate, 192
Change Of Address, 29
Chemistry, 183
Chemistry Programs, 168
Chemistry/Environmental Chemistry Option, 160
Child Welfare Specialization, 125
Clearwater Training & Education Centre, 236
Clinical Practicum - Year 3, 203
Clothing and Equipment, 62
Clubs, 38
Commercial Transport Vehicle Mechanic Program, 215
Community and School Support Certificate, 137
COMP 2210, 175
Completion Requirement, 186, 188, 202
Completion Requirements, 149
Computer Courses, 237
Computing Science, 184
Computing Science and Mathematics Programs, 170
Computing Science Diploma, 210
Computing Science Diploma (CS Diploma), 193
Computing Science Option, 161
Computing Science Programs, 169
Construction Electrician Programs, 217
Continuation Requirements, 77, 129, 132
Continuing Studies, 237
Continuing Studies Brochure, 237
Continuous Enrolment and Residency Requirement, 159
Contract Training, 235
Co-op 1000 Career Development Pre-requisite Course, 210
Co-operative Education, 43, 73, 93, 160, 176, 179, 193, 209
Co-operative Education Work Terms, 210
Corequisites, 29
Counselling, 34, 230
Course Changes, 29
Course Content, 232
Course Descriptions, 153, 234, 239
Course Descriptions-Alphabetic by Subject, 239
Course Exemptions, 29
Course Numbering and Definitions, 29, 239
Course Prerequisites, 30
Course Requirements, 88
Course Requirements for a Major Program, 165
Course Requirements for Forest Operations, 199
Course Requirements For Forest Resource Management, 200
Course Requirements for Forest Science, 199
Course Requirements for Natural Resource Conservation, 199
Course Requirements for the General Science Program, 162
Criminal Record Check, 147, 202
Culinary Arts Certificate (Professional Cook Training 1 and 2), 66
Cultural & Social Explorations Certificate, 107
Cultural Facilities at TRU, 42

D

Designated Seats, 128, 131
Developmental Programs, 233
Digital Art and Design Diploma, 194
Diploma in Horticulture and Management, 220
Diploma in Management, 117
Directed Studies, 93
Disability Services, 35
Double Degrees, 176
Double Major Program, 90, 164
Duplicate Credentials, 12
Duplicate Income Tax Receipts, 12

E

Early Childhood Education Diploma, 132
Education and Skills Training Certificate Program (ESTR), 143
Electives, 180
Electrical Foundation Training, 232
Electrical Second Year Apprenticeship, 232
Electrician and Industrial Instrumentation Mechanic Program, 221
Employment and Careers, 216
Engineering Transfer Programs, 195
English as a Second Language, 140
English As A Second or Additional Language Certificate Programs, 14
English Language Pre-Requisite For Academic Study, 14
Entrepreneurship Major and Minor Programs, 45
Entry into Year 4, 173
Environment and Sustainability, 40
Environmental Studies Certificate, 198
Executive Assistant Diploma, 120, 121, 122
Extended Health and Dental Plan, 38

F

Facilities Services, 40
Faculty of Arts, 73, 237
Faculty of Human, Social and Educational Development, 124

Faculty of Law, 144
Faculty of Science, 158
Failures and Repeats, 135, 149, 185, 188, 203
Fee Deferrals, 36
Fee Payment, 137, 138
Fee Payment Methods, 11
Fee Refund Policies, 11
Field Experience, 125, 136, 138
Financial Aid and Awards, 36
First Aid Courses, 235
First Steps Education Program, 142
First Year Engineering Course Requirements:, 196
Food Services, 40
Forestry Courses, 235
Forestry Transfer Program, 198
Foundation Program, 212, 213, 216, 218, 222, 227
Fourth Year, 126

G

General, 174
General Admission Requirements, 8
General BA with a Double Concentration, 77, 177
General BA with a Single Concentration, 75
General BA with a Thematic Studies Option, 75
General Conduct, 30
General Educational Development (GED), 141
General Educational Development Tests (GED), 34
General Information, 34
General Interest Courses, 235
General Science Degree Program, 162
Geology, 183
Grade Appeals, 12
Grades - Calculation of Grade Point Average, 30
Grades - Statement of Grades, 30
Grading Systems, 31
Graduation Requirements, 78, 80, 81, 82, 83, 87, 89, 173

H

Hands-On, 212, 214, 216, 218, 222, 229
Hands-On Training, 219
Harassment Prevention, 34
Health & Safety Courses, 235
Health and Safety Department, 40
Health Care Assistant Certificate, 151, 233
Health Care Programs, 233
Health Services Medical Clinic, 40
Heavy Duty Mechanic Programs, 222
High School Admissions Options, 7
Homestay Program And Campus Residence, 14
Honours in Computing Science, 169
Honours Program, 165, 167, 181
Honours Program in Psychology, 87
Horticulture Certificate, 219
Housing, 37
Human Service Diploma Program - Kamloops Campus, 135
Human Service Programs, 135, 233

I

Industry Certification, 50, 53, 62, 65
Infant/Toddler Educator Post-Diploma Certificate, 134
Information Technology Services, 41
Interdisciplinary Major and Honours Program in Chemical Biology - for students first registered prior to September 2010, 165
International Experiences, 56, 58, 60, 93, 95, 146, 161
International Opportunities, 43, 61, 73, 104
International Student Fees, 13
International Student Identity Card, 38
International Students, 8, 13, 65
International Students in Co-op Programs, 14
Interview, 94
Introduction, 236

J

Joinery (Cabinetmaking) Programs, 224
Juris Doctor of Laws (JD), 144

K

Kitchen, Automotive, and Retail Skills Training Admission Requirements, 143

L

Laddering Credit from other Programs, 44, 99, 136, 175
Laddering Credit into other Programs, 137, 139
Laddering Credit to other Programs, 53, 65, 91, 100, 101, 190, 193
Laddering Credit to the BSc Program, 162
Laddering Credits, 107
Laddering Credits from Diplomas, 103, 104
Laddering Credits from other Programs, 74
Laddering Credits to other Programs, 49, 57, 59, 61, 189
Laddering into other Programs, 134
Laddering to the Diploma in Horticulture and Management, 220
Language Courses, 235
Learning Experiences, 43, 48, 56, 58, 59, 66, 70, 146, 179
Learning Options, 43, 49, 53, 56, 58, 59, 61, 64, 66, 70, 73, 91, 93, 95, 98, 99, 101, 102, 103, 104, 106, 107, 123, 125, 127, 130, 133, 135, 137, 139, 140, 146, 150, 151, 160, 174, 178, 182, 184, 186, 189, 190, 192, 193, 195, 198, 200, 212, 214, 215, 216, 218, 219, 220, 221, 222, 225, 226, 227, 229
Legal Release, 66
Library Overdue Fines, 12
Library Services, 230
License to Practice, 133
Lillooet Training & Education Centre, 236
Limitation Of Enrolment, 173
Literary and Art History Certificate, 91, 100, 101, 106
Lost And Found, 41
Lower Level and Upper Level Requirements, 165
Lower Level Requirements (1000- and 2000-level courses), 163

M

Major and Honours in Mathematics, 171
Major In Animal Biology, 165
Major in Chemistry, 168
Major in Computing Science, 169
Major in Ecology and Environmental Biology, 167
Major in Environmental Chemistry, 168
Major In General Biology, 166
Major in Physics, 172
Major Program, 78, 163
Major Program in Economic and Political Studies, 79
Major Program in Economics, 78
Major Program in English, 80
Major Program in Geography, 82
Major Program in History, 83
Major Program In Mathematics, 84
Major Program in Mathematics and Economics, 85
Major Program in Philosophy, 85
Major Program in Political and Economic Studies, 86
Major Program in Psychology, 86
Major Program in Sociology, 87
Major Program in Theatre Arts, 88
Major Program With a Minor, 163
Management Skills for Supervisors, 238
Manager and Training Contact:, 238
Master of Business Administration, 108
Master of Education Degree, 124
Master of Science in Environmental Science Degree, 158
Math Help Centre, 35
Mathematical Sciences Program, 171
Mathematics, 184
Mathematics Option, 161
Meat Cutter Apprenticeship, 71
Meat Cutter/Retail Meat Processing, 70
Mechanical Trades Certificate Programs, 232
Medical Exam and Insurance, 65
Medical Insurance, 13
Metal Fabricator (Fitter) Program, 225
Micro Computer Certificate Program, 234
Minor in Management, 116
Minor Program (only available in conjunction with a Major), 89
Mission Statement, 237
Modern Languages Certificate, 103

N

Nicola Valley Institute of Technology Program, 125
NSF Cheque Fee, 12
Nursing at TRU, 146
Nursing Practice Experiences, 149

O

Office of Student and Judicial Affairs, 35
Online Services, 38
Opportunities for Further Study, 80, 82, 83, 84, 86, 87
Oral and Written English Requirement, 128, 131
Orientation, 35
Orientation Sessions, 219
Other Services, 231
Overview, 204, 205, 217, 221
Overview - Joinery (Cabinetmaking) Trades, 224
Overview - Metal Fabricator Trades, 225
Overview - Plumbing Trades, 227
Overview - Welding Trades, 228
Overview of Trade, 212, 213, 215, 222

P

Painting and Drawing Certificate, 102
Parking, 41
Partner Assisted Learning (PAL), 234
Parts and Warehousing Person 1 Program, 226
Parts and Warehousing Person 1 Program Overview, 226
Part-Time Student Assistance Programs, 36
Payment of Fees, 10
Physical Education Transfer Program, 132
Physics, 172, 183
Physics Option, 161
Plumbing and Piping Trades Programs, 227
Post-Baccalaureate Diploma in Journalism, 98
Post-Baccalaureate Diplomas in Business, 114
Post-Diploma Bachelor of Science in Nursing Degree, 150
Practica, 129, 132
Practical Nursing Program, 233
Pre-Chiropractic Studies
  Suggested Program, 204
Pre-Dentistry Studies
  Suggested Program, 204
Pre-Medicine Studies
  Suggested Program, 205
Pre-Naturopathic Medicine
  Suggested Program, 205
Pre-Optometry Studies
  Suggested Program, 206
Pre-Pharmaceutical Sciences Studies
  Suggested Program, 207
Pre-Rehabilitation Sciences Studies
  Suggested Program, 207
Pre-Veterinary Medicine
  Suggested Program, 208
Print Shop, 41
Prior Learning Assessment and Recognition (PLAR), 134
Procedure for Admission to TRU Engineering Transfer Year 1 Directly from Secondary School, 196
Procedure for Admission to TRU Engineering Transfer Year 1 from First Year Science or Related Studies, 197
Professional Certification, 179
Professional Development Courses, 235
Program Requirements, 107
Program Advising, 77, 162
Program and Entry Options, 95
Program Approval
  Third and Fourth Year Students, 173

Program Contact, 46, 49, 53, 56, 57, 59, 61, 64, 66, 69, 72, 79, 80, 82, 83, 84, 85, 86, 87, 88, 89, 94, 98, 99, 103, 106, 124, 127, 130, 132, 135, 137, 139, 142, 143, 145, 152, 168, 169, 170, 172, 174, 178, 181, 184, 186, 188, 189, 190, 192, 193, 194, 197, 200, 203, 211, 213, 214, 215, 217, 218, 220, 222, 224, 225, 226, 228, 229
Program Contacts, 92, 100, 101, 102, 103, 104, 105, 107, 140, 141, 149, 151, 159, 171
Program Content, 215, 216, 217, 221, 222, 224
Program Costs, 55, 62, 65, 67, 72, 92, 134, 149, 185, 187, 201
Program Description, 231, 232, 233, 234
Program Information Sessions, 51, 54, 63
Program Options, 44, 91, 99, 101, 102, 103, 104, 105, 107, 125, 209
Program Overview, 43, 49, 53, 56, 58, 59, 61, 64, 66, 70, 73, 91, 93, 95, 96, 98, 99, 101, 102, 104, 106, 124, 125, 127, 130, 133, 135, 138, 139, 140, 144, 146, 150, 151, 158, 160, 178, 182, 184, 186, 189, 190, 192, 193, 195, 198, 200, 219, 220
Program Planning, 172
Program Policies, 44, 49, 57, 59, 61, 69, 71, 72, 137, 138, 141
Program Requirements, 45, 49, 52, 55, 57, 59, 60, 63, 71, 74, 84, 85, 92, 94, 99, 100, 101, 102, 103, 104, 105, 106, 107, 124, 126, 128, 131, 134, 136, 138, 139, 140, 143, 145, 148, 150, 151, 159, 175, 176, 181, 182, 185, 187, 189, 190, 191, 192, 194, 195, 198, 202, 210, 215,219, 220
Program Requirements - Bachelor of Journalism with Concentration in Public Relations, 98
Program Requirements Professional Cook 1 and 2, 67
Program Requirements Professional Cook 3, 68
Program Start Dates, 218
Program Structure and Course Schedule, 96
Programs, 233
Programs and Courses Available at the Williams Lake Campus, 230
Programs Assessed Fees on a Per Credit Basis:, 10
Promotion Policy, 135, 148, 180, 186, 188, 192, 194, 202, 220
Promotion Policy – Practicum, 135
Provincial WorkSafe BC Coverage, 40

R

Real World, 214, 218, 227
Recommendations for Electives, 97
Refund Policy, 237
Refund Policy (This policy is currently under review and is subject to change), 13
Registration - Student Responsibility, 10
Registration (Step 2), 9
Registration and Information, 237
Registration and Payment of Fees, 124, 128, 132
Registration Priority for University Degree and University Preparatory Programs, 9
Regulations, 210
Reinstatement Fee, 12
Related Programs, 170, 171
Required Equipment, 212, 214, 216, 218, 222, 223, 225, 226, 227, 229, 371
Requirements, 207
Research opportunities, 93
Residential Construction – Foundation Program, 231
Resort and Hotel Management Diploma, 56
Respiratory Therapy Program, 200
Retail Admission Requirement, 143
Retail Meat Processing Certificate Program, 70

S

Safety and Health Courses, 237
Sample Course Sequence, 175
Schedule of Events (Important Dates) — 2013/2015, 4
School of Business and Economics, 108, 237
School of Nursing, 146
School of Tourism, 237
School of Trades and Technology, 212
Science and Advanced Technology, 237
Sculpture and Ceramics Certificate, 102
Security, 41
Security Training Certificate Program, 237
Semesters, 4
Senate Meetings, 41
Service Learning, 73, 93, 160
Service Learning and Internship Experiences, 96
Services for Aboriginal Students, 35, 231
Services for Students, 34
Simon Fraser University, 196
Social Work Core Courses, 126
Social Work Core Courses - NVIT, 126
Social Work Elective Courses, 127
Some Additional Topics Offered Through the Management Centre, 238
Special Admission Status, 147
Special Needs Educator Post-Diploma Certificate, 134
Special Status Fee Payers, 11
Specializations, 178
Sports Event Management Diploma, 58
Start Dates, 213, 214, 217, 224
Streams, 64
Student Academic Policies, Regulations and Procedures, 15
Student Aid BC, 36
Student Classification, 11
Student Complaints, 33
Student Electronic Communications Regulations, 33
Student Employment Centre, 36
Student Newspaper, 41
Student Services, 230
Student Success Courses, 37
Students' Union Building and Common Grounds Coffee House, 38
Studio and Art History Offerings, 91
Studying at TRU, 82, 88
Studying Economics, 78
Suggested Areas of Study, 99, 182
Suggested Courses, 204, 205, 206, 207
Suggested Program, 208
Summer Semester, 126
Summer Session, 10
Supplemental Learning, 37

T

Teaching English as a Second Language Certificate, 139
Technical and Hands-on Training, 221, 224
Technical and Hands-On Training, 227
The Centre, 236
The General BA Program, 75
The LPI Test, 34
The Management Centre, 238
The TRU Calendar, 3
The TRU Foundation, 41
Thesis Project, 181
Third Year, 126
Third Year Entry Course Schedule, 97
Tourism Management Diploma, 59
Trades and Technology, 237
Trades and Technology Programs, 231
Trades Foundation, 11
Trades, Technology and Agriculture, 235
Training Options, 212, 213, 215, 217, 222, 224, 225, 227, 228
Transcript Fees, 12
Transcripts of Academic Record, 33
Transfer Agreements, 44
Transfer Credit, 8
Transfer to TRU, 44, 91, 94, 96, 126, 128, 131, 138, 147, 179
Transfer to UBC, 199
Transferability and Laddering, 233
Transfers to TRU, 136, 162
TRU Alumni Association, 41
TRU Continuing Studies, 234
TRU Interfaith Chaplaincy, 37
TRU Students' Union (TRUSU), 37
TRU Wellness Centre, 38

U

University Library, 42
University of Alberta, 196
University of British Columbia, 196
University of Victoria, 196
University Preparation (Grades 10-12 Equivalency), 234
University Preparation at Main Kamloops Campus, 142
University Preparation Courses, 142
University Programs/Associate Degrees, 231
UPASS, 38
Upper Level Course Offerings, 174
Upper Level Requirements (3000- and 4000-level courses), 162
Use of Personal Information Notification, 9

V

Visual Arts Diploma, 91, 99, 101, 102, 103, 107
Visual Arts Gallery, 100
Visual Arts Studio Certificate, 91, 100, 101, 102, 103, 107

W

Wait List Policy, 7
Welder Apprenticeship Training, 229
Welder Level A, 229
Welder Level B, 229
Welder Level C, 228
Welding - Modular Training, 229
Welding Apprenticeship Program Start Dates, 229
Welding Modular Training Program Start Dates, 229
Welding Programs, 232
Welding Trades Programs, 228
What is Theatre Arts?, 88
Williams Lake Campus, 230
Withdrawal and Re-admission, 129, 132, 149
Work Skills Training Program (Adult Special Education), 234
Writing Centre, 39