THOMPSON RIVERS UNIVERSITY

TRU Calendar 2008.09

www.tru.ca

› Undergraduate University:
  Degrees, Diplomas and Certificates
› Graduate Studies
› Distance and Online Learning
› Trades and Apprenticeship Training

Kamloops

British Columbia

Far enough to be "away from home"... close enough for many students to "go home for the weekend."

Located in the Thompson-Okanagan, Kamloops is at the crossroads of all major highways in the Southern Interior, and is just 3.5 hours by freeway from downtown Vancouver.

Kamloops is known for its dry heat, semi-arid landscapes and over 2,000 hours of sunshine every year. The name 'Kamloops' actually means "meeting of the waters" – because it is where the North Thompson and South Thompson rivers come together.

Thompson Rivers University

Thompson Rivers University is legally incorporated as a fully independent public provincial university under the Thompson Rivers University Act.

TRU was originally founded in 1970 as Cariboo College, and began offering full undergraduate university degrees in 1989 as The University College of the Cariboo. On April 1, 2005 The University College of the Cariboo was continued as Thompson Rivers University.

The official fiscal year begins April 1, and changes in fees normally take effect the following September. Tuition fees and other fees shown in this publication are those which were in effect for 2008–09. These fees are subject to change for 2009–10 academic year.

Check the TRU website for the most current information.

www.tru.ca

THOMPSON RIVERS UNIVERSITY

bookies
For mind and matter

Thompson Rivers University Bookstore
Campus Activity Centre – Westgate Entrance
OPEN YEAR ROUND • PUBLIC ALWAYS WELCOME
Monday–Thursday 8am–5pm • Friday 10am–4pm
250.828.5141
www.bookies.tru.ca

Stop by **bookies** anytime to check out the variety of gifts, books, art supplies, TRU clothing, backpacks, TRU exclusive gift ideas, study aids, calculators, pens, and more...

Avoid lineups – order your books online!

Welcome from the Chancellor

I am pleased to have the privilege of representing Thompson Rivers University

as its Chancellor. In my role as honorary head of the university, I represent TRU and strive to the best of my ability to raise the profile of Thompson Rivers University, its faculty, programs, students, and graduates. TRU will continue to build an outstanding reputation for excellence in education while offering our learners increased flexibility in creating the educational program best suited to their goals and lifestyles.

Qualities such as accessibility, choice, flexibility, affordability, and personal attention have been hallmarks of our development, and will continue to shape the future of our university.

I am honoured to assist Thompson Rivers University build a reputation nationally and internationally as a unique university.

Sincerely,

Nancy Greene Raine

Nancy Greene Raine
Chancellor

Welcome from the President and Vice-Chancellor

Thank you for your interest in Thompson Rivers University. We are proud to offer you a unique university experience. Our comprehensiveness combined with our flexible learning options and our dedication to student achievement means that TRU can offer every high school graduate or adult learner the opportunity to become an outstanding and successful student, whether you are aspiring to earn a certificate, diploma or degree.

Our campuses in Kamloops and Williams Lake provide ideal learning environments, with smaller classes, strong student support services and a wide range of extracurricular events. Programs are also available through our Open Learning division. TRU is also host to many learners from around the world and our Study Abroad Centre offers exchange opportunities for our students. So whether you travel to another country to enhance your education or stay on campus, you can enjoy a global experience and make cross-cultural connections that will last your lifetime.

Each year, TRU adds to the diversity of academic, technical and trades programming and this year we have added two new Master degree programs and further Masters programs under development. I invite you to survey our web site at www.tru.ca for more information on these programs and to view all aspects of our learning community.

I extend to you my warmest welcome, and best wishes for your success.

Sincerely,

Roger H. Barnsley

Roger H. Barnsley
President and Vice-Chancellor

Campus Directory

THOMPSON RIVERS UNIVERSITY
KAMLOOPS, BC

Major Office Locations

Office/Department	Building	Room #
Academic Advisors	Old Main	OM1100
Admissions & Registration	Old Main	OM1155
Alumni Association	House 9A	
Alumni Theatre	Clocktower	CT200
Arts (Faculty of Arts)	Arts & Ed	AE251/3
Assessment Centre	Old Main	OM1762
Athletics Department	Gymnasium	Upper Level
Black Box Theatre	Old Main	OM1587
Business & Economics (Sch of Business)	International Building	IB2031
CN Boardroom	Clocktower	3rd Floor
Campus Cashier	Old Main	OM1614
Co-op Education	Old Main	OM1712
Counselling Department	Old Main	OM1651
Counselling	Old Main	OM1651
Coordinator for Aboriginal Students	House 5	
Services for Students with Disabilities	Old Main	OM1699
Daycare (Cariboo Daycare)	Daycare Centre	1st Floor
Dining Room	Food Training	FT209C
Education	Arts & Ed	AE253
Finance Division	Old Main	OM1622
Financial Aid & Awards	Old Main	OM1641
First Nations Student Assn	Independent Centre	1st Floor
Human Resources	Clocktower	CT414
International Education	International Building	3rd floor
Library Resources	Library	2nd Floor
Nursing	Science	S212
Occupational Health & Safety	Old Main	OM 1463
Parking Office	Stores Building	FS103
President	Clocktower	CT312
Marketing & Communications	Clocktower	CT104
School of Advanced Tech & Mathematics	Old Main	New Addition
Science & Health Sciences	Science	S212
Security	Old Main	OM1016
Social Work	Arts & Ed	AE251
Student Development & Student Affairs	Old Main	OM2465
Student Society	Independent Centre	161
Tourism (School of Tourism)	Clock Tower	CT201
Trades & Technology	T & T Centre	TT158
TRU Foundation Office	House 9A	
Vice Presidents		
Academics	Clocktower	CT320
Administration & Finance	Clocktower	CT305
Advancement	Clocktower	CT110
Student Affairs	Clocktower	CT300

Services & Facilities for Students

TRU Bookstore: bookies	May–August (Summer Hours)	September–April (Semester Hours)
	8am–4pm (M–Th) 10am–4pm (F)	8am–5pm (M–Th) 10am–4pm (F)

Extended hours beginning of semester. Phone for details: 250.828.5141

Financial Aid & Awards	Mid-May to Mid-August	Mid-August to Mid-May
~ Awards Counter	8am–4pm (M–F)	8am–4:30pm (M–F)
~ Evening Receptionist		4pm–8pm (M–Th)
~ Receptionist/Enquiries	8am–4pm (M–F)	8:30am–4:30pm (M–F)

Campus Food Services	May–August	Sept to April
~ Terrace in the CAC	Closed	8am–3pm (M–Th) 8am–2pm (F)
~ Trades and Tech	7:30am–12:30pm (M–F)	7:30am–1pm (M–Th) 4pm–5:30pm (M–Th) 7:30am–1pm (F)
~ Tim Hortons in Old Main	8am–6pm(M–F) 8am–2pm (F)	7:30am–8pm (M–Th) 7:30 am–3pm (F)
~ Montagues Deli in Old Main	11am–1:30pm (M–F)	10:30am–4:30pm (M–Th) 10:30am–3pm (F)
~ Old Main Cafe (2nd Floor)		7:30am–2pm (M–F)
~ International Cafe in the IB (featuring Starbucks coffee)	8:30am–3pm (M–F) 8:30am–1pm (F)	8am–5pm (M–Th) 8am–2:30pm (F)
~ Heroes Pub in the CAC		11am–7pm (M–W) 11am–12:30am (Th) 11am–9pm (F)
~ Culinary Arts Training Ctr	May–Sept	Sept–May
~ Culinary Arts Cafeteria	Closed (May–Aug)	7:30am–1:30pm (M–F)
~ Dining Room	Closed (May–Sept)	6pm–9:30pm (T–F)

Library		
	May 9–Aug 12 8am–9pm (T–W) 8am–5pm (M,Th,F) 9am–5pm (Sat) Aug 13 to Aug 31 8am–4pm (M–F)	Sept–April 8am–9pm (M–Th) 8am–5pm (F) 9am–5pm (Sat) 9am–9pm (Sun)

Office of the Registrar	May–August (Summer Hours)	September–April (Semester Hours)
~ Admissions & Registration	9am–4pm (M–Th) (closed noon–1pm) 9:30am–4pm (F)	9am–4pm (M–Th) 9:30am–4pm (F)

Student Services	May–August (Summer Hours)	September–April (Semester Hours)
~ Academic Advising	9am–4pm (M–F)	8:30am–4pm (M–F)
~ Assessment Centre	8am–4pm (M–F)	8am–4pm (M–F)
~ Counselling Department & Career Planning	8am–4pm (M–F)	8:30am–4:30pm (M–F) 6pm–8pm (W)
~ Gymnasium	8am–4pm (M–F)	7:30am–10pm (M–F)
~ Health Services	8am–4pm (M–F)	8:30am–4pm (M–F)

General TRU Information: truinfo@tru.ca • **Academic Advising:** advising@tru.ca • **Admissions Office:** admissions@tru.ca • **Financial Aid & Awards:** finaid@tru.ca

2008

JANUARY						
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How to Apply to TRU...

One
› When to Apply

This application form is valid for admission to programs in the 2008–2009 academic year.

University Programs
Apply after October 1, 2007

Career/Technology Programs
Apply after October 1, 2007

Trade-Entry Programs
Apply after October 1, 2007

All other Programs
Enquire at any time
email › **admissions@tru.ca**

Two
› Deadline to Apply

1 1st Year University Arts (BA), Science (BSc), and Business (BBA)

› **Early Application Deadline March 1, 2008**
Best course selection with advanced registration available in July.

› **Regular Application Deadline April 30, 2008**
Registration for courses will be available in July.

› **Late Application Deadline**
Applications will be accepted until Friday, September 5, 2008 but students will only be admitted and allowed to register in courses as space permits.

2 All Other Programs
Deadlines will vary from January through August 2008. Check the website or contact Admissions (**admissions@tru.ca**) to confirm deadlines for specific programs.

3 Transfers to TRU degrees
Students from any other college or university can apply to TRANSFER to TRU anytime after October 1 — applications will be accepted until the program is full.

Completing your application and all required documents and prerequisites as soon as possible is highly recommended.

Three
› How to Apply

1 Complete **ALL** information on this application form.

2 Check the program list on the back of this application. Print your program choice exactly as it appears.

3 a) **BC High School Students**
Your PEN ID number must be filled in correctly.

b) **All Other Applicants:**
Official transcripts of your secondary school marks and any post-secondary institutions you have attended should be included with this application.

4 First-time Applicants
Attach a non-refundable *Application Fee of $25*.
Payment can be made by cheque or money order, payable to *Thompson Rivers University*.

You can also pay by cash, VISA or MASTERCARD, or in person at the Campus Cashier — located in the Old Main Building on the Kamloops Campus.

5 Mail this application together with all required documents to:

TRU Admissions Office
PO Box 3010
Kamloops, BC V2C 5N3

Or Courier this application together with all required documents to:

TRU Admissions Office
900 McGill Road
Kamloops, BC V2C 5N3

$25
application fee
for 2008|09

› Application available on next page or apply online at www.tru.ca

Application for Admission to TRU › 2008|09

PEN ID ___ — ___ — ___ Previous TRU Student ID ___

SIN ___ — ___ — ___ New Student ☐ Returning Student ☐

Legal Name: ___

First: ___ Middle: ___

Mailing Address: ___ Sex: Male ☐ Female ☐

___ Phone: ( ) ___

City: ___ Email Address: ___

Province: ___ Postal Code: ___ Primary Language: ___

Birth Name: ___ (if different than above) Birthdate: ___ / ___ / ___ (Y M D)

Other Former Names: ___

☐ Please check this box if you wish to be identified as an Aboriginal person

An Aboriginal person is identified in accordance to the Constitution Act of 1982, Part II, section 35(2), as "an Indian, Métis or Inuit person of Canada".

If you have chosen to identify yourself as an Aboriginal person, for statistical purposes, we invite you to select one or more of the three options that best describe your Aboriginal identity.

☐ Indian/First Nation (including Status, non-Status, Treaty and non-Treaty)

☐ Métis ☐ Inuit

Name of Program: ___

Start Term: Fall ☐ Winter ☐ Summer ☐ Full-time ☐ or Part-time ☐

Entry Year: Year 1 ☐ Year 2 ☐ Year 3 ☐ Year 4 ☐ Post-Degree ☐

Have you requested/received an admission requirements package? Yes ☐ No ☐

Emergency Contact: ___ Emergency Phone: ___

Do you want to be included in the Student Directory? Yes ☐ No ☐ (blank response will be treated as 'Yes')

Attending during previous year: (Circle) 1› Secondary School 2› College 3› University 4› Other Educational Institution 5› Labour force 6› Other

Residency during the previous year (Circle) 1› British Columbia 2› Another Province 3› Outside Canada

Citizenship Status: Canadian Citizen ☐ Landed Immigrant ☐ Student VISA ☐

Income Assistance Recipient: Yes ☐ No ☐ (if yes, please attach copy of form)

Last Secondary School Attended: ___

From: (year) ___ To: ___

Grade Completed: ___ Still Attending High School: Yes ☐ No ☐

ATTACH LATEST TRANSCRIPT
AND HAVE ALL OFFICIAL TRANSCRIPTS SENT BY INSTITUTIONS

Post-Secondary Attended:

1› ___ Dates Attended: ___ Degrees/Diplomas Granted ___

2› ___ Dates Attended: ___ Degrees/Diplomas Granted ___

3› ___ Dates Attended: ___ Degrees/Diplomas Granted ___

$25 Application Fee

A non-refundable $25 Application Fee MUST be submitted with this form if you are applying to TRU for the first time. A service charge for any NSF or returned cheque will be assessed. Applications received without the $25 Fee will not be processed.

___
Signature

___
Date

Declaration: I understand and agree that: (i) this is an application for a TRU Program only and is subject to the limitation of available resources; (ii) any misrepresentation of information in this application may result in the cancellation of my admission or registration; (iii) information placed in my student record will be used for the purpose of admission, registration, record keeping, including release to the TRU Foundation and TRU Alumni Association or for a use consistent with these purposes; and (iv) if I am admitted to a program, I am subject to the policies and rules of TRU. I certify that all statements on this application are true and complete and I authorize TRU to verify them.

For Office Use Only

THOMPSON RIVERS UNIVERSITY
KAMLOOPS, BC

Return to: TRU Admissions Office
PO Box 3010, 900 McGill Road, Kamloops, BC V2C 5N3

Student Employment

...flexible career solutions through education

THOMPSON RIVERS UNIVERSITY

Career Education Department

TRU Student Employment
Old Main Building
Room #1712

Phone: 250.371.5627
Fax: 250.828.5014
Email: careereducation@tru.ca

www.tru.ca/careereducation

Student Employment at TRU is dedicated to supporting students and graduates in their preparation and search for casual, part-time, summer, and full-time employment.

Personalized services for students and alumni include:

- › Individual consultation
- › One on one job coaching
- › Assessment of skills
- › Review of résumés and cover letters
- › Labour Market Information
- › Employer information and presentations
- › Information on government employment programs

Job Boards, Postings, Workshops, Computer Access, Career Job Fair, Job Search Resource Library

Important Notice

Effective June, 2008 TRU will accept the new Ministry of Education English 12 First Peoples course as being equivalent to the standard English 12 course for admission purposes to all programs. Specific minimum grade requirements are the same as those of English 12. For example: if English 12 with a minimum 73% (in-class with government exam) is required for admission to a TRU program, then English 12 First Peoples will also require a minimum 73% (in-class mark with government exam).

The 2008-2009 TRU Calendar

As this Calendar is published a considerable time before 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 programs and courses.

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.

Publisher
Josh Keller
TRU Marketing & Communications Department

Managing Editor
Dennis Mayberry
Registrar

Word Processing
Teresa Torchia and Linda Y. McAbee
TRU Office of the Registrar

Cover Photos
TRU Marketing & Communications Department

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

The 2008/2009 TRU Calendar is available at a no cost on the web http://www.tru.ca.

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Schedule of Events (Important Dates) — 2008/2009

Semesters

Academic, Career/Technology and University Preparatory programs operate on the following semesterized basis:

Fall Semester	September to December
Winter Semester	January to April
Summer Session	May to August (certain programs only)

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

2008

January 7	Monday	Commencement of instruction for Winter semester programs.
January 18	Friday	Last day in the Winter semester for: late registration; program changes; course additions; and to change from Audit to Credit or from Credit to Audit; a 100% refund of tuition less the commitment fee paid.
January 25	Friday	Last day to withdraw from a course which spans the Fall and Winter semesters.
February 18-22	Mon-Fri	Mid-semester break. TRU open (not all programs in session).
February 20	Wednesday	Division and departmental In-service day.
March 1	Saturday	Last day for early submission of applications for Fall 2008 and Winter 2009 semesterized programs.
March 7	Friday	Last day to withdraw from a Winter semester course.
March 21	Friday	TRU closed. Good Friday.
March 24	Monday	TRU closed. Easter Monday.
April 11	Friday	Last day of instruction for Winter semester and to withdraw from a Winter semester program.
April 14	Monday	Winter semester examinations begin.
April 26	Saturday	Last day for Winter semester examinations. Winter semester ends.
April 30	Wednesday	Last day for submission of applications for Fall 2008 and Winter 2009 semesterized programs. Applications received after this date will be considered as late applications and will be processed only as space permits.
May 5	Monday	Commencement of instruction for Summer semester programs.
May 19	Monday	TRU closed. Victoria Day
June 5 & 6	Thursday & Friday	Spring Convocation.
June 27	Friday	Last day to withdraw from a Summer semester course.
July 1	Tuesday	TRU closed. Canada Day.
August 1	Friday	The last day to submit official "final" grades for admission to the Fall 2008 semester.
August 1	Friday	Last day of instruction for the Summer Semester and to withdraw from a Summer session program.
August 4	Monday	TRU closed. British Columbia Day.
August 5	Tuesday	Summer semester examinations begin.
August 8	Friday	Last day for Summer semester examinations. Summer semester ends.
August 29	Friday	Last day for payment of fees for Fall semesterized programs.
September 1	Monday	TRU closed. Labour Day.
September 2	Tuesday	TRU student orientation day.
September 3	Wednesday	Commencement of instruction for all Fall semester programs.
September 16	Tuesday	Last day in the Fall semester for: late registration; program changes; course additions; and to change from Audit to Credit or from Credit to Audit; a 100% refund of tuition less the commitment fee paid.
October 2	Thursday	Fall Convocation
October 13	Monday	TRU closed. Thanksgiving.
October 24	Friday	Last day to withdraw from a Fall semester course.
November 10	Monday	Mid-semester break. TRU open (not all programs in session).
November 11	Tuesday	TRU closed. Remembrance Day.
December 3	Wednesday	Last day of instruction for the Fall semester and to withdraw from a Fall semester program. Last day for payment of fees for Winter semesterized programs.
December 6	Saturday	Fall semester examinations begin.
December 17	Wednesday	Last day for Fall semester examinations. **Note: Some programs may schedule final exams during the last week before Christmas.
December 25 January 1	2008 to 2009	TRU is closed December 25, 2008 to January 1, 2009 with services reopening on January 2. Some classes may start prior to the start of the Winter semester.

2009

January 5	Monday	Commencement of instruction for Winter semester programs.
January 16	Friday	Last day in the Winter semester for: late registration; program changes; course additions; and to change from Audit to Credit or from Credit to Audit; a 100% refund of tuition less the commitment fee paid.
January 23	Friday	Last day to withdraw from a course which spans the Fall and Winter semesters.
February 16-20	Mon-Fri	Mid-semester break. TRU open (not all programs in session).
February 18	Wednesday	Division and departmental In-service day.
March 1	Sunday	Last day for early submission of applications for Fall 2009 and Winter 2010 semesterized programs.
March 6	Friday	Last day to withdraw from a Winter semester course.
April 9	Thursday	Last day of instruction for Winter semester and to withdraw from a Winter semester program.
April 10	Friday	TRU closed. Good Friday.
April 13	Monday	TRU closed. Easter Monday.
April 14	Tuesday	Winter semester examinations begin.
April 25	Saturday	Last day for Winter semester examinations. Winter semester ends.
April 30	Thursday	Last day for submission of applications for Fall 2009 and Winter 2010 semesterized programs. Applications received after this date will be considered as late applications and will be processed only as space permits.

General Information

Admission, Registration and Fees

Registrar's Office (Admissions, Registration & Records)

MAYBERRY, DENNIS, B.Comm. (Brit. Col.), C.G.A., Registrar
HANNAFORD, MARION, B.Sc. (Brit. Col.), M.A., Ph.D. (Wash. State), Associate Registrar

BARTH, TRACY, Admissions/Records Assistant
CUPELLO, MARIA, Filing Clerk
DUGGAN, BUNNY, Admissions/Records Assistant
HOLMBERG, JANE, Admissions/Records Assistant
JAGO, KATHY, Admissions/Records Assistant
KRESS, JUDY, Admissions/Records Assistant
LAMORE, DAWN. Admissions/Records Assistant
LEIGH, BRANT, Data Management Coordinator
MAGDALENICH, ANNIE, Admissions/Records Assistant
MAZZEI, VERA, Admissions/Records Assistant
MCABEE, LINDA Y., Scheduling Secretary
MCCULLY, MAUREEN, Admissions/Records Assistant
MCMILLAN, DIANA, Admissions/Records Assistant
MOTT, SANDEE, Admissions/Records Assistant
PARENT, LINDA, Admissions/Records Assistant
RODRIGUES, MILA, Admissions/Records Assistant
RYUJIN-KAWA, CAROL, Admissions/Records Assistant
SCHAFFER, GWEN, Admissions/Records Assistant
SENGER, EVELYN, Admissions/Records Assistant
TORCHIA, TERESA, Admissions/Records Assistant
WALKER, LEANNE, Admissions/Records Assistant
WHITMORE, LENA, Admissions/Records Assistant

The Admissions Process:

Admission to TRU begins with your Application for Admission, which is handled by the Admissions Office.

Admission and registration to a TRU program is a 3-step process:

Step 1) **Application for Admission (on page 5)**

You apply for admission to your program of choice and supply the required documentation necessary for admission.

Step 2) **Registration (Enrollment in Courses) (on page 8) – if required**

Once you are admitted, you enroll in the courses you want to take, in accordance with the instructions contained in the "Registration Notice" mailed to you. In some programs, students are pre-enrolled into the appropriate courses for their program of study.

Step 3) **Payment of Fees (on page 8)**

Registration is not complete until your full fees are received by TRU.

Applying for Admission (Step 1)

Application Procedure

You can apply for Admission to TRU three (3) different ways:

1. Apply on-line on our website (http://www.tru.ca/admissions.html) or the PASBC website (http://www.pas.bc.ca).
   - If you do not submit the $25.00 application fee electronically with your on-line application, you must send it to TRU Admissions – your application is not processed until the fee has been received.
   - Your application will be acknowledged, and you will receive further information on other requirements in the admissions process.
2. Complete the 'Application for Admission' form available at high schools, college and university career/advising centres, and send it to TRU Admissions, along with the $25.00 application fee. On the web see Application for Admission (http://www.tru.ca/assets/admreg/admissions/applicationform.pdf).
   - Your application will be acknowledged, and you will receive further information on other requirements in the admissions process.
3. Contact TRU Admissions directly, and request an Admissions Package for your program – this will include an Application Form, and all other forms and information required to complete the Admissions process.

Admissions packages are available from:

The Admissions and Registration Department
Thompson Rivers University
P.O. Box 3010
Kamloops, B.C. V2C 5N3
Phone: (250) 828-5071
Fax: (250) 371-5960
Email: (mailto:admissions@tru.ca)
Website: (http://www.tru.ca/admreg/contactus/programcontacts.html)

The completed forms, together with necessary official transcripts of grades and any other required documents, should be returned to Admissions.

Application Deadline Information

When to Apply

Applications are accepted starting October 1, 2008 each year, for programs starting in August or September the following year. Apply to TRU on-line (http://www.tru.ca).

Deadlines to Apply

1. First Year University Arts, Science, and Business:

   Early Application Deadline: March 1, 2008.

   Best course selection with highest priority for early July course registrations.

   Regular Deadline: April 30, 2008.

   Registration for courses will be available in July.

   Late Application Deadline: Applications will be accepted until Tuesday, September 2, 2008, but students will only be admitted and allowed to register in courses as space permits.

2. Transfers to TRU Degrees:

   Students from any other college or university can apply to **transfer** to TRU anytime after October 1 – applications will be accepted until the program is full.

3. **All Other Programs:**

   Deadlines will vary from January through August 2008.

   - **Limited Admission Programs** generally accept applications right up to the end of August, or until the program is full and a waiting list is in place. Contact Admissions (mailto:admissions@tru.ca) at any time to inquire if your program is still taking applications.
   - **Selective Admission Programs** each set their own deadlines. Check the specific date under the program of interest on the TRU Web site for current dates.

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

Application Fee for "First-time" Students

"First-time" students to TRU who apply for admission to a credit program are charged a non-refundable, one time, application processing fee of $25.00. This fee must accompany their application for admission.

Admission Types

"New to a program" students (a student enrolling in a **new** program of study at TRU for the first time) must apply or re-apply if a different program of study is being pursued at TRU by the April 30, 2008, application deadline, if they plan to attend the Fall 2008 and/or Winter 2009 semesters.

"Continuing" students (a student enrolling in the **same** program of study at TRU as they attended in the previous Fall and/or Winter semesters) does **not** need to re-apply each year.

"Returning to TRU" students (a student re-enrolling in the **same** program of study at TRU but was **not** enrolled in the previous Fall and/or Winter semesters) must re-apply by April 30, 2008, if they are planning to attend the Fall 2008 and/or Winter 2009 semesters.

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. See the wait list policy (http://www.tru.ca/assets/policy/ed/ed03-7.pdf) for more information.

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 (or equivalent) – Grade required varies from C+ to B or LPI Test Level 4
- Canadian Citizenship or Landed Immigrant status or study permit

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 level courses as possible, including Computing, Math, Sciences and Social Sciences, to enhance their success.

Out-of-Province: The basic requirement to apply to TRU is proof of high school graduation, with the equivalent of (B) in Grade 12 English. Applications from all provinces are treated equally, and fees are the same for all Canadian students.

Admission – Three Kinds of Processes

There are three different program admission processes at TRU. The first thing you should know is what kind of admission process is in place for the program you are interested in.

Open Admission: Applications are accepted, and admission determined on a "first applied, first admitted" basis for qualified applicants, using the date by which the application was received. The only programs that offer Open Admission are first-year university study in the Arts (B.A.), Science (B.Sc.) and Business (B.B.A.) degrees. Students who apply while still in Grade 12 can be given conditional admission.

Being admitted and "invited to register" is not a guarantee that space will be available in the desired courses, as new student registration priority is based on the date of application and year level.

Limited Admission: When there is a pre-determined number of seats available in the program, and applications are accepted, and admission determined on a "first applied, first admitted" basis, using the date by which applicants have met all of the application requirements.

Limited admission programs frequently include an admission interview, questionnaires, pretesting, orientations, letters of reference, and other relevant information as part of the admissions process.

Details are sent to applicants in an Admission Requirements Package, usually after they complete the initial application form.

Once a student is 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, some two-year Diploma and some Degree programs are limited admission. Once all seats are filled, qualified applicants will be put on a wait-list.

Selective Admission: When all applications are accepted up to a pre-determined deadline date, after which they are assessed, using an established selection process that may include GPA standings, as well as other criteria. Meeting the Minimum Requirements for admission does not guarantee admission.

Selective admission programs frequently include an admission interview, questionnaires, pretesting, orientations, letters of reference, and other relevant information as part of the admissions process.

Details are sent to applicants in an Admission Requirements Package, usually after they complete the initial application form.

Once the assessment and ranking of qualified applicants has been completed, the limited number of seats in the program will be filled by offers of admission only to those students selected, and others may be put on a wait-list. Students offered admission have 21 days to accept the offer by payment of the Commitment Fee.

Several university degrees, along with a number of specialized Diploma programs are selective admission programs at TRU.

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 a Counsellor.

Exception – University Preparatory Students

General Requirements

1. 17 years of age and one year out of school
2. Canadian citizen, landed immigrant or study permit
3. Counselling interview recommended

Admission of Students Currently Enrolled in Secondary School

Secondary school students who wish to make early application for a Fall semester program may be required to forward an interim statement of grades either directly to Admissions or through the B.C. Ministry of Education.

Submission of an interim statement must always be followed by submission of a final transcript either directly to Admissions or through the B.C. Ministry of Education by August 1, 2008 at the latest. Students are asked to ensure their PEN I.D. number is on their application, 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.

Other High School Admissions Options

a. **Grade 11 Early Admission to first-year University**

(BA; BSc; BBA; BTM; BFA)

- In May 2008, students in Grade 11 will be given an opportunity to apply for "Early 2009 Admission" and be eligible for Advanced Registration Priority based on English 11 and three additional Grade 11 academic courses.

b. **Grade 12 "Advanced Registration Priority" Admission**

Apply after October 1, 2008

For admission to 1st Year University (BA; BSc; BBA; BTM; BFA)

- Minimum 3.0 GPA calculated on the basis of: English 11 and three additional Grade 11 or Grade 12 provincially examinable courses, of which at least one must be a Math, Science or Language course.
- For BUSINESS and TOURISM: One of the 3 additional courses must be Math.
- For SCIENCES: The three additional courses must be Math, Chemistry and either Biology or Physics

c. **General "Open Admission" to first-year University**

Apply after October 1, 2008

- Grade 12 Graduation (or mature student status)
- English 12 (C+) 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 Science, Business and Tourism courses. Registration priority, based on date of application, would be assigned AFTER students admitted in a) and b) above.

Admission From Secondary Schools Which Are Not Accredited Provincially

Students who request admission to TRU and who do not qualify under mature student status 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 Canadian Achievement Test (CAT), or GED.
2. Demonstrate proficiency in specific program or course prerequisites by:
   a. Writing Grade 12 B.C. provincial exams in required courses. (The mark obtained will represent 100% of their grade), or
   b. Completion of equivalent TRU courses.
3. Perform at the appropriate prerequisite level on the Canadian Achievement Test for vocational programs.
4. Write the Language Proficiency Index test and perform at a level specified by program.

Advanced Placement and International Baccalaureate Programs

TRU is pleased to recognize these enriched secondary school programs. Students who have successfully completed AP/IB courses can apply to have the courses equated to specific courses offered at TRU. An AP Grade of 4 or better is required. An IB Grade of 5 or better in a higher level course is required.

The student can receive the specific TRU credit for the courses. This credit will count towards the total TRU credits in their program, and the student can take fewer courses at TRU to complete their program.

Students seeking advanced placement in chemistry can take organic chemistry (CHEM 212/CHEM 222) during the first year. However, they cannot take Chemical Applications of Spectroscopy or Physical Chemistry (CHEM 215/CHEM 225) during the first year unless they have successfully completed the AP calculus B.C. course.

Citizenship Requirement

All applicants must be citizens of Canada or hold landed immigrant status or hold a valid student authorization issued by Canada and indicating TRU as the institution at which study is to take place. Students who propose to attend TRU under the provisions of a student authorization should consult the Admissions Department for application procedures and information.

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. The 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 Department for full details. TRU will assist international students in finding appropriate housing and in the process of adjusting to life in a new country.

English Language Skills

Students who wish to study at TRU, but who do not have adequate English language skills, must register in English as a Second or Additional Language (ESAL) studies as determined by the ESAL Department. Most international students are required to undergo English testing which will determine the amount and level of ESAL instruction required.

See 'International Students' section of this calendar.

Transfer Credit

In Academic Programs transfer credit is assessed by the Admissions/Records Department. In Vocational and Career Technical programs the Department Chairperson evaluates, on request, official transcripts for work completed at another post-secondary institution and grants transfer credit towards programs. Forms on which to request transfer credit are available from the Registrars Office.

Note: A student who transfers from TRU to another post-secondary educational institution should expect to have any transfer credit or advanced placement granted by TRU re-evaluated. The results of this re-evaluation may be different, and students are advised to obtain advice regarding transfer credit or advanced placement as soon as possible by contacting the institution at which they plan to eventually complete a degree or diploma.

Use of Personal Information Notification

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 FOI co-ordinator at TRU.

Registration (Step 2)

Enrollment in Courses

After students have received their acceptance from TRU into their program of study, they will be sent information on the registration procedure, fees and other related information. There are a number of ways to register for courses at TRU which are determined by your program of study.

Students admitted to most Diploma and Certificate programs do not need to register for their courses, as their course schedule is pre-determined in advance. The two major exceptions to this are students in Fine Arts and Business Diploma programs.

Note: In University Degree, University Preparatory and selected Diploma Programs, "admissions acceptance" does not guarantee that you will be able to register for all of the courses you wish to take. The exceptions are integrated limited enrollment programs where program admission automatically implies space availability in all required courses for the program

Registration Priority for University Degree and University Preparatory Programs

TRU's priority registration system maintains the concept of open access and, at the same time, rewards academically successful students and those who apply early.

Registration appointments are assigned in the following priority order:

1. Continuing year 4 students, assign 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, assign 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, assign 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, assign 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, assign 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.
8. New and returning year 1 students ranked in order of application date.
9. New and returning University Preparatory students ranked in order of application date.
10. 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.
11. 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.
12. 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.

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 and the Payment of Fees

Registration is not complete until all fees have been paid. You will not be permitted to re-register at TRU if you are in default in the payment of any fee assessed.

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 corequisites. Included in this responsibility is the official recording of all changes in course registration as well as changes to address or telephone number.

Fees/Payment of Fees (Step 3)

While TRU has made every attempt to ensure that the information in this calendar is up-to-date, certain changes may occur after it has been printed. In particular, it should be noted that credit and monthly fees are subject to revision by the TRU Board each year.

Tuition Fees (Effective January 1, 2008; subject to change)

Full-Time Fees

Academic courses (100-400 level)

- The tuition fee is $113.40 per credit.

Career/Technical courses

- The tuition fee is $106.12 per credit.

University Preparation

- The tuition fee is $0.00 per credit.

Note:

University Preparation (050 to 099 level courses): Tuition is free but the student must pay all other related fees on a per credit basis.

Adult Basic Education (040 to 049 level courses): Tuition is free but the student must pay all other related fees on a per credit basis.

Adult Basic Education (039 & lower level courses, COPE/MECA and First Steps Programs): Tuition and other related fees are free.

Education & Skills Training Program: Tuition is assessed at $250.00 per month plus other related fees at the monthly vocational rate.

Vocational (non-semestered) Programs

- The tuition fee is $318.36 per month for 16 or more hours of instruction per week.

Part-Time Fees

Academic, Career/Technical Programs and University Preparation

- The tuition fee is the same per credit rate as for full time.

Vocational Programs

- The tuition fee is $159.18 per month for 15 or fewer hours of instruction per week.

Co-op Work Term Tuition

One-time, non-refundable $50.00 application processing fee payable at the Campus Cashier.

Canadian Students will be assessed a Co-op Work Term tuition of $350.00 for each work term. Students are billed once a work term has been confirmed and the fees are payable within 21 days of receipt of the bill.

All Students accepted into Co-operative Education must participate in the Working to Learn workshop series. Attendance at these workshops is mandatory and includes post-work term debriefing sessions on campus.

Co-op Fees for International Students:

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

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, will be assessed.

Auditors

Auditors are required to pay all fees and charges as listed.

Additional TRU Fees (Effective January 1, 2008; subject to change)

All TRU students, other than those enrolled only in courses at 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, Library Building Fund and applicable Lab/Studio Fees.

Ancillary Fee

The ancillary fee is $7.38 per credit hour of instruction for Academic and Career/Technical students, $27.69 per month for full-time vocation students, and $11.86 per month for part-time vocation students. This fee will be used to support student life activities, computer access for students, and a student building levy.

Athletic and Recreation Fee

The Athletic and Recreation fee is $3.06 per credit for academic and career/technical students, $9.18 per month for full time vocational students, or $4.59 per month for part-time vocational students.

Comprehensive University Enhancement Fee

The comprehensive university enhancement fee is $5.10 per credit or $15.30 per month for full-time vocational students and $7.65 per month for part-time vocation students.

Lab/Studio Fee

Courses with a Lab or Studio component are assessed an additional $16.83 per course to help cover related supplies costs.

In addition to the foregoing fees, individual departments may assess charges for specific purposes such as breakage, loss of equipment, tool deposits or field trips.

Library Building Fund Fee

The library building fund fee will be $4.08 per credit or $12.24 per month for full-time vocational students and $6.12 per month for part-time vocational students.

TRU Student Union Fees (Effective January 1, 2008; Subject to Change)

All students attending at the Kamloops Campus must pay the following Student Union fees as a condition of enrolment at Thompson Rivers University.

STUDENT UNION OPERATING
Academic and Career/Technical Programs:

- 9 credits or more $75.00 per semester
- 8 credits or less $40.00 per semester

Vocational Programs:

- $12.50 per month per full-time student or $150.00 per year.
- $6.25 per month per part-time student or $75.00 per year.

STUDENT UNION BUILDING
Academic and Career/Technical Programs:

- 9 credits or more $20.00 per semester
- 8 credits or less $10.64 per semester

Vocational Programs:

- $3.34 per month per full-time student or $40.00 per year.
- $1.67 per month per part-time student or $20.00 per year.

Canadian Federation of Students

- $0.86 per credit to a maximum of $7.65 per semester
- $1.92 per month (full time students)
- $0.96 per month (part time students)

Extended Health & Dental Plan

Charged to full time Academic and Career Technical Students

- Health Fee – $132.00
- Dental Fee – $116.00

U-Pass

- $40.00 per student per term

Cariboo Child Care Society

- For Academic and Career/Technical Programs:

  $0.17 per credit to a maximum of $1.50 per semester

- Vocational (non-semestered) Programs:

  $0.34 per month to a maximum of $3.00 per year (full-time students)

  $0.17 per month to a maximum of $1.50 per year (part-time students)

Omega Newspaper Fee

- For Academic and Career/Technical Programs:

  $0.64 per credit hour to a maximum of $5.76 per semester

- Vocational (non-semestered) Programs:

  $1.50 per month or $13.50 per year (full-time students)

  $0.62 per month to a maximum of $5.76 per year (part-time students)

Radio Station Fee

- For Academic and Career/Technical Programs:

  $0.75 per credit hour to a maximum of $6.75 per semester (full-time students)

- Vocational (non-semestered) Programs:

  $1.50 per month to a maximum of $13.50 per year (full-time students)

  $0.70 per month to maximum $6.75 per year (part-time students)

Payment of Fees

Programs Assessed Fees on a Per Credit Basis:

Fall Semester

Academic

a. Students are required to pay a $300.00 commitment fee **prior** to registering or being wait-listed for the Fall Semester. The $300.00 commitment fee will be applied as a deposit toward Fall tuition with the balance due by August 29, 2008.

b. The deadline for payment of the balance of Fall Semester fees is 4:00 pm August 29, 2008.

c. Students whose full fees have not been paid by August 29 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:

   i. wait-listed students

   ii. new registrants from the late applicant group

d. Students who wish to be reinstated after September 30, 2008 will be assessed a maximum reinstatement fee of $150.00. The last date for reinstatement will be December 3, 2008.

Career/Technical & Some Degree Programs

a. **First year students**—A $500.00 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.

b. **Second and third year students**—Full fees are due and payable on or before August 29, 2008 unless a fee deferral or sponsorship has been arranged. Subject to the availability of space in the program, should a student wish to be reinstated after September 30, 2008, a $150.00 reinstatement fee will be assessed in addition to regular tuition. The last day for reinstatement is December 3, 2008.

Winter Semester

Academic and Career/Technical Programs

All fees for Academic and Career Technical programs are due and payable on December 3, 2008.

a. Students will be sent a copy of their winter registration by November 10 and informed that full winter semester fees must be paid by 4:00 pm December 3, 2008.

b. A fee deferral may be available in accordance with the fee deferral procedure.

c. 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

d. Academic students who have not paid their full winter semester fees by 4:00 pm December 3, 2008, or arranged a fee deferral or sponsorship and who wish to be reinstated after January 31, 2009, will be assessed a $150.00 reinstatement fee.

   The latest date for reinstatement will be April 9, 2009

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.

Programs Assessed Fees on a Monthly Basis:

1. Students enrolled in programs of greater than 6 months duration will be initially billed for 6 months and then every 6 months thereafter until the program is completed.

2. Students enrolled in programs of 6 months or less will be billed for full fees at the time of admission.

3. For pre-billed programs, tuition must be paid within 21 days or on the first day of class (whichever is earlier) following admission to the program. Fee deferrals are not available for the first term of the program. Should fees not be paid within specified time period, the student's offer of admission will be cancelled and the seat will be offered to the next person on the wait list.

Fee Payment Methods

- Web payment using Visa or MasterCard using TRU Online - Make payment option
- Cash, Cheque, Debit Card, MasterCard, Visa
- Passport to Education
- Sponsorship letter from sponsoring agency
- Contact Campus Cashier at (250) 371-5646

Registration is not complete until all fees are paid.

All refunds are subject to Fee Refund Policies (on page 10).

Fee Refund Policies

A signed official withdrawal form and the student's copy of the registration data form must be returned to the Records Department before a refund is processed. Refunds will be determined based on the date a signed official withdrawal is received by the Records Department.

1. **Semesterized 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 commitment fee paid.

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

2. **Monthly Programming**

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

3. **Extension Services Programming**

   a. Prior to the commencement of the course a full refund is provided.

   b. After the first night of instruction no refund is provided.

4. **Medical Withdrawal**

   Semesterized 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 (Effective January 1, 2008; Subject to Change)

Application Processing Fee

A first-time student to TRU who applies for admission to a credit program is charged a one-time non-refundable application fee of $25.00. This fee must accompany the application for admission.

Duplicate Income Tax Receipts, Certificates, Diplomas, Course Outlines

For each duplicate requested there is a $5.00 fee.

Library Fines

One dollar ($1.00) per hour per 2-hour loan on reserves. One dollar ($1.00) per day for overdue Reserve materials, videos or interlibrary loans. Twenty-five cents (25¢) per day for all other overdue library materials.

NSF Cheque Fee

A $10.00 NSF Cheque Fee will be charged on all dishonoured items.

Reinstatement Fee

A Reinstatement Fee of $150.00 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 must be requested in writing, on a Request for Transcript form available from the Registrar's Office or on a signed letter. The cost is $5.00 for each copy.

International Students

TRU World, International Education, Training and Development

MCLEOD, CYNDI, I.D. (B.C.), M.B.A. (New Zealand), D.M.A.T.P., Associate Vice-President, TRU World
THOMPSON, CINDI, Assistant to the Associate Vice-President

WOJNA, VERA, B.Ed., M.Ed. (Brit. Col.), Director
KRAUSS, MIRIAM, Secretary to the Director
GARSON, KYRA, M.A. (St.FX), International Expert

GAS, CHRISTOPHER, B.B.A. (Regina), Manager, International Marketing (on leave)
WILMSHURST, GEOFF, B.A. (St. Mary's), Cert. Languages (Shangdong), Manager, International Marketing
KING, SHERRI, Marketing Coordinator
GIBSON, SARAH, Coordinator Agent Relations
PICKERING, WENDY, Secretary to Marketing

CHADWICK, BAIHUA, M.M.I. (Phoenix), Manager, International Liaison
GONG, GEORGE, Accreditations Coordinator
PEATT, LARRY, Acct. Dipl. (U.C.C.), Manager, International Projects
DE FRIAS, LORI, L.T.C.A./H. Cert. (U.C.C.), Coordinator, International Training
MISZKURKA, DIANNE, Finanical Assistant
SEITZ, CANDY, Secretary to International Liaison & Projects

BAKER, VICTORIA, Assoc. Com. (U.C.C.), Administrative Coordinator
SMITH, VICKY, Receptionist
DEVLIN, KAREN, Secretary

PETRAR, JAN, B.A. (Regina), M.B.A (Southern Cross), Manager, International Student Services and Study Abroad
BYRNES, CHERYL, Secretary to Study Abroad Manager
DOIDGE, JOANNE, Secretary to International Student Advisors

International Student Advisors:
OZAWA, YOSHIE, Student Support Services Coordinator
KOOPMANS, LOLINA, Student Advisor
KIM, ERIC, Student Advisor
HSU, AGNES, Student Advisor
DENISON, REYNA, Student Advisor
LIU-CALVER, STAFFEN, Student Advisor
NIU, CATHY, Student Advisor
FENG, ZIPING, Student Advisor (Interim)

ISAP:
PAVLOVICH, KARI, ISAP Facilitator
RUSSELL, KARIE, ISAP Coordinator

Registrar's Office, International Team:

International Admissions
BARTH, TRACY, International Student Admissions
DUGGAN, BUNNY, International Student Admissions
MAZZEI, VERA, International Student Admissions
MAGDALENICH, ANNIE, International Student Admissions

International Academic Advising
BENTLEY, KATHY, Academic Advisor
FLEURY, DONNA, Academic Advisor
LAKE, LISA, Academic Advisor
SMITH, BARB, Academic Advisor

Thompson Rivers University provides a comprehensive approach to education with four-year Bachelor and two-year Associate Degrees, University Preparation and English Language Programs, and Career and Technology and Vocational Diploma and Certificate Programs. TRU welcomes students from all parts of the world!

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 student 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

Admission Requirements for Specific Program Areas

To Apply for English as a Second or Additional Language Program (ESAL):

In addition to the above general admission requirements, applicants must:

- have completed high school to the Canadian Grade 11 level or equivalent.
- have some prior studies in English. Students should arrive with a minimum of an upper beginner's level of English (at an approximate TOEFL score of 350.)

Admission to University Preparation:

Students who have completed high school to a Canadian Grade 11 level or equivalent may be eligible for the University Preparation Program where they can complete their Grade 12 equivalency and any pre-requisite qualifications to enter their chosen field. Applicants must meet the general admission requirements and must meet the minimum English language requirements for their chosen program. The options are as follows:

a. Students without the required TOEFL/IELTS score will write the TRU English Placement Test (EPT) on arrival.

b. TRU does not require a TOEFL score for conditional admission, but English upgrading is required if the score on the TRU EPT indicates it to be necessary.

c. Students presenting a current official TOEFL (iBT) of 61+ on admission to TRU may choose not to write the TRU English Placement Test. In that case, students with a TOEFL (iBT) score of 61 - 70 will be placed directly in ESAL, Level 3 and a TOEFL (iBT) score between 71 - 79 students will be placed in ESAL, Level 4.

d. Students presenting a current official TOEFL (iBT) score of 81 - 87 on admission to TRU may choose not to write the TRU English Placement Test. In this case, students will be placed in Level 5 of the ESAL Program and must complete ESAL 057 and ESAL 058 with a grade of C+ or higher in order to be admitted to English 110 and/or full-time study in an academic program.

e. Students presenting a current official TOEFL (iBT) score of 88+ (with no section below 20) or above will be eligible for direct entry into English 110 and/or full-time study in an academic program.

TRU also recognizes the following Language Proficiency tests: iBT, IELTS, MELAB, CanTEST, CAEL, STEP, Common European Framework, Cambridge ESOL. Contact TRU Admissions for details on placements pertaining to these alternative tests.

Please refer to the section in the TRU calendar under English As A Second and Additional Language (on page 177) (ESAL) for full program details.

To Apply for University Transfer and Degree Programs:

In addition to the above general admission requirements, applicants must:

- have completed high school to the Canadian Grade 12 level or equivalent.
- if required, have successfully completed any necessary pre-requisite courses appropriate to the chosen field of study.

- demonstrate the required English language competency either by presenting an official TOEFL (iBT) 88+ with no section below 20 or above or by presenting an official IELTS score of 6.5 or higher or by successfully completing Level 5 (with a minimum grade of C+ of the TRU University English as a Second Language and Additional Language (ESAL) Program. TRU will give consideration to internationally recognized English Language assessment tests such as the Michigan Lab Test, IELTS Test, CanTest, MELAB, CAEL, Cambridge ESOL, STEP, Common European Framework (CEF).

To Apply for Career and Technology and Vocational Programs:

In addition to the above general admission requirements, the applicants must:

- have completed high school to the Canadian Grade 12 level or equivalent.
- have permission from the chairperson of the program
- meet the minimum English language requirements for their chosen area. The English language requirement may vary for each department. Refer to the specific program areas for program requirements. The majority of the diploma and certificate programs will require the successful completion of Level 5 of the TRU CESL Program or an official TOEFL iBT 88+ with no section below 20 or higher or equivalent.

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 the 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 International offices assist international students with proper documentation after admission to the co-op program.

Application Process

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

- Complete an Application for Admission form.
- Enclose a $100.00 non-refundable Application Processing Fee.
- Enclose a certified copy of all high school and university transcripts translated into English.
- If applying for the academic or career programs and if available, arrange to have an original copy of your TOEFL results sent to TRU.

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 Student Fees

(April 2006 to August 2008)

The tuition fees applicable to international students for lower level* Academic, Career/Technical, Vocational and Developmental programs shall be $6000.00 per semester for full time study.

Where applicable, materials fees may be assessed.

There is a proposed tuition fee increase for September 2008.

General Fees:

A $255.00 + student union fee Canadian fee to cover U-Pass, student society, University activity and building levy fees will be added to the tuition amount for each semester. There is a proposed general fee increase for September 2008.

(For full details of international student fees, see International Student section in this calendar, and the website (http://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 landed immigrant status on/after the first day of classes in a semester, the change in tuition fees will occur the following semester. Students are asked to provide documentation of the status change.

Please refer to tuition fees outlined in the International Education brochure.

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

Additional Fees

General Fees

All international students will be assessed an additional general fee of $255.00 each semester. This fee is assessed as a contribution toward the U-Pass, Library/ID library card, University/International Activity Fees, Building Levy Fee and the Student Society Fee. There is a proposed general fee increase for September 2008.

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. For example, in 2006, the Co-op Work Term Fee for all international students will be $2400.00 per term (40% x $6000.00).

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

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

International students who:

a. withdraw prior to the start of instruction will receive a 50% refund of tuition and general fees invoiced.

b. Withdraw in the first or second week of instruction will receive a 25% refund of tuition and general fees invoiced.

c. Withdraw after the second week of instruction will receive no refund of tuition and general fees.

d. 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 $200.00 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 $300.00.

e. Students who wish to defer their application to the next semester must do so prior to the start of the semester. Once instruction begins policies (b) and (c) above apply.

f. Withdrawal for Medical Reasons - Apart from the policy outlined for international students, there is no provision for a medical refund outside this policy. For students who are required to withdraw for medical reasons, we encourage the student to visit their Academic Advisor and fill in a "Complete Program Withdraw Form". This allows the student 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.

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. Refer to the ESAL section of this calendar for specific details. Students must apply for their certificate once they complete the program. The certificates available as of Fall 2007 are:

Core Certificates:

- English as a Second or Additional Language Foundations Certificate
- English as a Second or Additional Language Intermediate Certificate
- English as a Second or Additional Language Academic Preparation Certificate
- English as a Second or Additional Language Advanced Academic Preparation Certificate

Bridging Certificates:

- English as a Second or Additional Language with an Introduction to Business
- English as a Second or Additional Language with an Introduction to Arts
- English as a Second or Additional Language with an Introduction to Fine Arts
- English as a Second or Additional Language with an Introduction to Sciences

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 are given an extensive English language assessment test when they arrive. Based on this assessment, students will be placed within the 5 Level English As a Second or Additional Language (ESAL) Program. (This program was previously named the CESL Program.) Students admitted into an Academic, Career or Vocational program, who score at 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 courses. In normal circumstances, all second language training should be completed prior to undertaking full-time post-secondary study.

ESAL Level 5 courses (ESAL 057, ESAL 058) 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 go to the program website.

Satisfactory Academic Achievement

All students who enter TRU are expected to maintain acceptable standards of academic performance. Students should refer to the section in this calendar which explains TRU's guidelines for acceptable performance. Should an international student begin to fall below the acceptable performance standards, he/she will receive a warning and be given access to academic advising services. If the student continues to be unable to maintain acceptable standards of academic performance, he/she shall be placed on probation and may, if the situation persists, be required to withdraw from the program.

International Student Support

Thompson Rivers University currently has fifteen staff members who provide special support to international students. There are seven International Student Advisors who arrange for homestays, airport reception, student orientation, and provide ongoing support throughout the student's stay at TRU. Prior to arrival, our four International Admissions staff work closely with students to ensure they receive the necessary application and acceptance information and documentation. Our International Student Academic Advisors assist students with program planning and course selection. Our Activity Facilitator and Coordinator arrange for optional activities for international students throughout the semester. The AVP and Director of TRU World are responsible for ensuring that all international students at TRU are well received and have a positive and successful experience.

Homestay Program And Campus Residence

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.

TRU's residences are situated on or near campus and are available to international students. There are three residences. Reservations are made directly with the individual residences. For detailed information see the TRU World website (http://www.truworld.ca).

- TRU Residence and Conference Centre is a modern residence located on the campus.
- On-Campus Housing (McGill Residence) is adjacent to the campus.
- Upper College Heights Residences is a 2-minute walk from campus.

Policy on International Students

Introduction

The Government of British Columbia has a commitment to forging stronger links between the Province and the international community. With greater economic interdependence on a global scale, societies need to work together towards a stable and peaceful world economy. Cultural understanding is an important precursor to increased economic ties, and education is a major vehicle that can enhance these cultural and social bonds.

The education of students from other countries in British Columbia and the education of British Columbian students offshore lay the cultural, personal and economic foundations for improved international relations and economic development. The links established through the educational sector will, over the long term, result in expanded positive international relationships in other sectors of our society, making essential contributions to our social, cultural and economic goals.

The presence of international students at Thompson Rivers University enriches the educational experience for the overall student body. Study abroad provides opportunities for university students to study and travel in other countries.

University faculty and staff benefit from the renewal and professional development opportunities provided by working within a cross-cultural educational milieu.

Assumptions

The first objective of TRU is to serve the educational needs of the University region and the Province. International education will support, not supplant, this goal by providing revenue for the University as well as for the communities in which the students are studying.

International education activities can be enhanced through cooperative arrangements among institutions, between public and private sectors, and between institutions and non-governmental agencies.

TRU will participate with Canadian agencies which provide support and funding for international development, as well as with international funding agencies.

Policy

TRU accepts its responsibility as a part of the British Columbia post-secondary system to provide an international education program which will enhance academic, cultural and economic links with the world community.

International Education activities will normally fall within one of the following general areas:

1. International students, instructors and administrators come to TRU for regular and specifically designed programs.
2. TRU initiates and/or participates in international education projects in other countries. These can be of a developmental nature, and financed by external agencies or can be in the form of private or public sector joint ventures of a contractual nature.
3. Programs are provided to British Columbian residents to increase their knowledge and skills so that they may participate effectively in cross-cultural activities.

Guidelines

1. Notwithstanding these benefits, both the provincial Ministry of Skills, Training and Labour and Thompson Rivers University Board recognize their primary responsibility is to the education of British Columbians.
2. International students will not normally be accepted into limited enrollment programs if, by their acceptance, places are denied to qualified Canadians and permanent residents. This does not preempt the University from adding seats for international students to specific programs.
3. Programs designed for international students, which also create course opportunities for British Columbians, are encouraged.
4. Costs of educating international students (including administrative and management costs, as well as direct instructional costs) must be borne by international students, or their sponsoring agency, on a full cost-recovery basis.

For International Student Information:

TRU World, International Education, Training & Development
Thompson Rivers University,
900 McGill Road, P.O. Box 3010,
Kamloops, B.C.
V2C 5N3, CANADA

Tel.: (250) 828-5252

Fax: (250) 371-5513

e-mail (mailto:welcome@tru.ca)

For detailed information on how to apply, visit our website (http://www.truworld.ca).

Student Academic Policies, Regulations and Procedures

Index of Policies, Regulations and Procedures

Note: This subset of TRU Policies is presented here for convenience. For the most current policy information see TRU policy website (http://www.tru.ca/policy.html) .

- Academic Achievement Awards ED 9-1 (http://www.tru.ca/policy.html)
- Academic Integrity ED 5-0 (http://www.tru.ca/policy.html)
- Academic Recognition ED 3-4 (http://www.tru.ca/policy.html)
- Academic Renewal ED 3-10 (http://www.tru.ca/policy.html)
- Admissions (currently under review) ED 1-0 (http://www.tru.ca/policy.html)
- Admission of Students Sponsored by a Federal or Provincial Agency Who Pose a Safety Risk ED 1-4 (http://www.tru.ca/policy.html)
- Admission of Students Who Are Graduates From Programs Not Accredited by a Province or Territory ED 1-2 (http://www.tru.ca/policy.html)
- Appeals ED 4-0 (http://www.tru.ca/policy.html)
- Cancellation of Classes BRD 14-0 (http://www.tru.ca/policy.html)
- Change of Address (on page 16)
- Confidentiality of Student Information ADM 2-2 (http://www.tru.ca/policy.html)
- Corequisites (on page 16)
- Course and Program Repeaters ED 3-3 (http://www.tru.ca/policy.html)
- Course Changes (on page 16)
- Course Conflicts ED 3-6 (http://www.tru.ca/policy.html)
- Course Exemptions (on page 16)
- Course Numbering and Definitions (on page 16)
- Course Outlines ED 8-3 (http://www.tru.ca/policy.html)
- Course Prerequisites (on page 16)
- Credit and Non-Credit Courses ED 8-1 (http://www.tru.ca/policy.html)
- Debarment of Students (currently under review) ED 7-0 (http://www.tru.ca/policy.html)
- Directed Studies, Service Learning and Research Learning Courses ED 2-2 (http://www.tru.ca/policy.html)
- Double Programs - Degrees and Diplomas ED 16-1 (http://www.tru.ca/policy.html)
- Educational Standards in Credit Courses & Programs ED 8-0 (http://www.tru.ca/policy.html)
- Entrance Scholarships ED 9-0 (http://www.tru.ca/policy/index.html)
- Examinations ED 3-9 (http://www.tru.ca/policy.html)
- Faculty Office Hours ADM 14-1 (http://www.tru.ca/policy.html)
- General Conduct (on page 16)
- Grades - Calculation of Grade Point Average (on page 16)
- Grades - Statement of Grades (on page 16)
- Grading Systems ED 3-5 (http://www.tru.ca/policy.html)
- International Education (currently under review) ED 12-0 (http://www.tru.ca/policy.html)
- Prior Learning Assessment and Recognition ED 2-0 (http://www.tru.ca/policy.html)

- Satisfactory Academic Progress ED 3-2 (http://www.tru.ca/policy.html)
- Services for Students with Disabilities (currently under review) BRD 10-0 (http://www.tru.ca/policy.html)
- Student Admission Status ED 1-1 (http://www.tru.ca/policy.html)
- Student Attendance (currently under review) ED 3-1 (http://www.tru.ca/policy.html)
- Student Classification (on page 17)
- Student Complaints (on page 17)
- Transcripts of Academic Record (on page 17)
- Transferability of University Credits ED 2-4 (http://www.tru.ca/policy.html)
- Types of Undergraduate Degrees ED 16-0 (http://www.tru.ca/policy.html)
- Visiting Student Status ED 1-3 (http://www.tru.ca/policy.html)
- Waitlist ED 3-7 (http://www.tru.ca/policy.html)
- Withdrawals ED 3-0 (http://www.tru.ca/policy.html)

Change Of Address

Students must notify the Registrar's Office in writing of any change in address or telephone number. Students who are in receipt of government student assistance should also notify the appropriate provincial authority.

Corequisites

Corequisite courses, if any, 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 TRU Schedule of Events— (on page 4)2008/2009 located at the beginning of this calendar. Official forms must be completed by the students and submitted to the Records Department before the deadline date. Students are urged to consult with Academic Advisors before making course changes to confirm appropriateness of changed programs for academic or diploma/certificate completion.

Course Exemptions

The Department Chairperson 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 Admissions for Academic and Degree completion programs.

Course Numbering and Definitions

All new course numbers or changes to existing course numbers must be approved by the Registrar's office prior to being sent to the Educational Programs Committee (EPC).

Course Numbering

e.g.) English 121

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". English 121 is therefore a first year course.

Second and Third Digit—Identifies the course.

Hours of Instruction

e.g.) (3,1,3)

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. The above example, therefore, 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. "L" indicates a lab and in nursing courses, a "P" following the third digit indicates a clinical practicum.

Credit

e.g.) (3 credits)

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

Course Prerequisites

All 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 the TRU to rely upon the good sense of students to maintain standards of acceptable behaviour.
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.

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 TRU's Web services "TRU Online (https://tru-online.tru.ca/colleague/index.html)". 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.

Student Classification

Students admitted to TRU are classified as follows:

1. Full Time Student

   A student who meets the entrance requirements of the program in which she/he is enrolled, and who registers for at least 3/5 (60%) of a regular program of work each semester is classified as a full-time student. e.g. An academic student would have to be registered in at least 9 credits (3/5 x 15) to be classified as full time.

2. Part Time Student

   A student who registers for less than 3/5 (60%) of a regular full program will be classified as a part time student.

3. Auditor (non-credit)

   It is not necessary for auditors to meet academic requirements for admission or to submit transcripts of previous education with the application form. Regular tuition fees are charged for all courses audited. An auditor does not receive credit for the course. A grade of "AUD" is posted.

   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. If in the judgement of the instructor a student is not doing this, a grade of W will be recorded.

   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.

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 which are printed on security paper and bear the Registrar's signature are sent only upon the student's written request to employers, educational institutions, and other authorized agencies. Student copies of transcripts which bear the Registrar's signature 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.

Transcripts cost $5.00 each.

You can request an Official Transcript:

By the Internet	with payment by VISA or MASTERCARD
TRU Transcript Request Form (http://www.tru.ca/admreg/academicrecords/transcripts.html)	
In person	TRU Registrar's Office room 1100 in the concourse in the Old Main Building
By mail	along with a cheque or money order
By Fax	using a credit card no. & expiry date
	(250) 371-5960

Co-operative Education

Co-operative Education is offered by the Career Education Department

Chairperson

READ, SHAWN, B.A. (St. Thomas), C.P.A. (Dalhousie), Chairperson, Career Education, Coordinator, Student Employment Centre

Coordinators

BEPPLE, NANCY, B.Sc. (U.Vic.), I.D. (V.C.C.), M.Sc. (Brit. Col.), Cert. Ed. (U.Vic.), Coordinator, Co-operative Education
HEBDEN, CAROLE, B.Sc., M.Ed. (Brit. Col.), Cert. Ed. (S.F.U.), Coordinator, Co-operative Education
ILES, LAWRENCE A., B.A. (Carleton), B.Ed. (Brit. Col.), Coordinator, Co-operative Education
OKE, MARION, B.A. (Toronto), B.Ed. (Queen's), Coordinator, Co-operative Education

Co-operative Education

Co-operative Education integrates academic studies with paid periods of relevant work experience in industry, business, and government. Students alternate between terms of full-time study and full-time employment.

Co-operative Education faculty serve as the link between students, employers, and the instructional department responsible for the program. Co-operative Education Coordinators seek out appropriate employment opportunities and ensure that co-op placements are related as closely as possible to student careers.

Co-op Coordinators assist co-op students in all aspects of their job search including writing resumes and letters of application, developing job search strategies and preparing for interviews. They arrange interviews, finalize work placements, and carry out on-site visits providing an assessment of the job and the students' work.

Co-operative Education programs offer students many benefits.

- Students learn career development skills (e.g. resume writing, job interview techniques and employer expectations) in pre-employment preparation seminars called Working to Learn.
- Students gain valuable on-the-job experience, which can improve post-graduation employability.
- Students are able to test their career choices in the context of the work place.
- Students earn competitive entry-level wages which can help to offset educational costs.

Co-operative Education Work Terms

Many Co-op jobs are located outside Kamloops in the Lower Mainland and other parts of B.C. and Canada. The more flexible students are about where they can work, the greater their employment opportunities.

Students must compete for and obtain one of the jobs available through the Co-op Department or find acceptable alternative employment for the work term. Students who find their own jobs must have them approved before they are considered an official co-op work term.

Co-operative Education Programs

TRU offers Co-op options in the following programs:

- Bachelor of Arts
- Bachelor of Business Administration
- Bachelor of Natural Resource Science
- Bachelor of Science
- Bachelor of Technology in Applied Computing Science
- Bachelor of Tourism Management
- Computer Systems: Operations and Management
- Computer Automated Systems Technician
- Engineering Design and Drafting Technology Program

Co-operative Education Tuition

One-time, non-refundable $50.00 application processing fee payable at the Campus Cashier.

Canadian students will be assessed a Co-op tuition of $350.00 for each work term. Students are billed once a work term has commenced and the fees are payable within 21 days of receipt of the bill.

Co-op Tuition for International students:

The Co-op tuition for students is calculated at 40% of the student's full-time per semester tuition. For example, in 2006, the Co-op Work Term Fee for all international students will be $2400.00 per term (40% x $6000.00).

Co-operative Education Requirements and 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 Requirements – Admission and application requirements vary for each program. Please refer to the specific program section of the TRU calendar for detailed information.
   - **Bachelor of Arts** - Students must have a GPA of 2.67 (B-) to enter the BA Co-op Option and must maintain a GPA of 2.67 (B-) to remain. Students must have completed 48 credits before beginning Work Term 1.
   - **Bachelor of Business Administration** – students must maintain a cumulative 2.67 GPA in the BBA program, including electives. A commitment to applying for and then completing at least three co-op semesters one of which must take place in a Fall or Winter semester. 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 190, ECON 195, BBUS 221, BBUS 237, BBUS 254 and BUEC 232. Acceptance is conditional upon transcript review. Students must be enrolled in the third year of the BBA before proceeding to the second co-op work term. 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. Such skills and experience should be detailed in the student's resume and letter of application which accompany the co-op application.
   - **Bachelor of Natural Resource Science** – Students must complete all registered first and second year courses, have a minimum GPA of 2.33 and maintain a minimum GPA of 2.33 throughout the Co-op program.
   - **Bachelor of Tourism Management** - Students must complete a minimum of 30 first year credits with a GPA of 2.33 or higher to be eligible for Co-op.
   - **Bachelor of Science, Biology Major** – Students must have completed first year and will have completed BIOL 213, BIOL 234, and at least **two** of BIOL 215, BIOL 210, BIOL 211, BIOL 225, BIOL 220, BIOL 221 before the first work term. A minimum cumulative GPA 2.33 is required for admission, and must be maintained in all B.Sc. degree courses.
   - **Bachelor of Science, Chemistry/Environmental Chemistry Major** – Students must have completed first year and CHEM 110/120 or CHEM 111/121, and anticipate completing CHEM 212/222 and CHEM 215/225 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 entering applying to Co-op in third year, CHEM 310 and CHEM 312 must be completed prior to the first work term, and at least **one** of the following: CHEM 306, 307, and 308, or CHEM 322, 323 and 324, or CHEM 331, 332, 333 and at least ONE of CHEM 304 or CHEM 302. A minimum cumulative GPA of 2.33 is required and must be maintained.
   - **Bachelor of Science, Computing Science** – Students must have maintained a term and cumulative GPA of 2.33 (C+) in all B.Sc courses, have completed COMP 213, 220, 223 prior to their first Work Term.
   - **Bachelor of Science, Math** - Students must have a GPA of 2.67 (B-) to enter the BSc Math Co-op Option and must maintain a GPA of 2.67 (B-) 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 2.33 GPA prior to the first work term: PHYS 110/120 or 115/125, PHYS 200, PHYS 220, PHYS 225, MATH 211, MATH 212, MATH 317. As well, students must complete the following courses with a minimum 2.33 GPA prior to the first January work term in third year: PHYS 320, PHYS 325,and PHYS 340; OR , PHYS 309, PHYS 314 and PHYS 316. Completion of COMP 113 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 Technology in Applied Computing Science** – Students must have maintained a term and cumulative GPA of 2.33 (C+) in all BTACS courses. Students must have completed CSOM and all BTACS entrance requirements or completed at least one semester of BTACS.
- **Computer Systems: Operations & Management and Bachelor of Technology in Applied Computing Science** – Students must obtain and maintain a minimum of 2.33 GPA (C+) and complete all required courses before the first work term.
- **Computer Systems Technician, Computer Automated Systems Technician and Telecommunication Technician** – Students must maintain a minimum B- (78%) average and complete all required courses before the first Work Term.
- **Engineering Design and Drafting Technology** - Student must have a minimum GPA of 2.33 (C+) to enter the EDDT co-op option and must maintain a minimum GPA of 2.33 (C+) throughout the Co-op option. Students must have completed a minimum of 32 credits before beginning Work Term 1.

2. All students accepted into Co-operative Education must participate in the Working to Learn workshop series. Attendance at these workshops is mandatory and includes post-work term debriefing sessions on campus.
3. The Co-operation Education Coordinator(s) will make every reasonable effort to obtain suitable program-related work placements; however, application and acceptance for Co-op Work Term participation is not a guarantee of placement. The job search will be conducted by both the student and the Co-op Coordinator.
4. 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).
5. In order to maintain eligibility for future work terms students must submit a completed Work Term Notification Form upon returning from each work term.
6. There is a one-time admission and withdrawal policy for Co-op programs. When a student withdraws from Co-op after partially completing the required number of Co-op terms, they cannot apply for re-admission to Co-op at a later date.
7. 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.
8. Job offers must be accepted or rejected within 24 hours.
9. To successfully complete a work term, students must a) complete term of employment; b) receive a minimum of "satisfactory" on their evaluation from their employer; c) submit a satisfactory work term report by the deadline; and d) pay their work term fees. (see Co-op Tuition (on page 18))
10. It is the student's responsibility to maintain close contact with their Co-op Coordinator and to check daily for new job postings, for interview schedules and for notices from the Co-op Office.

Services for Students

General Information

TRU offers a variety of student services on campus to help you make the most of your life at TRU. Services include Aboriginal Services, Academic Advising, Assessment Centre, Athletics and Recreation, Chaplaincy, Counselling, Disability Services, Financial Aid and Awards, Harassment Prevention, Housing, Orientation, Student Affairs, Student Success Seminars, Student Employment Centre, Wellness Centre and the Writing Centre. If you have general questions about services available to students please call (250)377-6101 for further assistance.

Aboriginal Services

Coordinator for Aboriginal Students
BROWN, JOANNE, Aboriginal Coordinator
Phone: (250) 828-5246
Fax: (250) 377-6077
Visit our website (http://www.tru.ca/dsd/aboriginal/)

A Coordinator for Aboriginal Students provides support services designed to enhance Aboriginal students' post-secondary experience at TRU culturally, socially and academically. The Coordinator provides general information on admissions and educational program options and liaises with TRU personnel, Aboriginal bands, Aboriginal high school coordinators, as well as other related local and regional agencies.

The Aboriginal Cultural Centre, also known as "The Gathering Place", is a resource, information and support centre not only for aboriginal students but also for the wider TRU campus community. This non-political center encompasses the cultural values of the Canadian Aboriginal, First Nations (status and non-status), Inuit, and Metis peoples by recognizing the diverse Aboriginal population who study at the TRU.

First Nations Student Association

The First Nations Student Association, administered by an annually elected Executive, provides an opportunity for Aboriginal students to meet, study and be involved in activities such as sports, cultural and traditional events. The FNSA office and lounge is located in the Independent Centre of the Campus Activity Centre.

Academic Advising (OM1100)

BENTLEY, KATHY, Instr. Dipl., International Academic Advisor
CRAWFORD, BERNIE, Dipl. Bus. Admin. (Camosun), A.A. (UCC), Coordinator
FLEURY, DONNA, B.A. (UCC), Academic Advisor
LAKE, LISA, B.A., B.Ed. (Sask), International Academic Advisor
CHARLENE MUNRO, B.G.S. (SFU), Cert. Lib. Arts (SFU), Academic Advisor
SMITH, BARB, A.A. (UCC), International Academic Advisor
WALE, VERLINDA, B.T.M. (TRU), Academic Advisor
MARTIN, SHANNON, Admin. Assist. Dipl. (Honours), Receptionist

Advisors provide on-campus students with current academic information and advice on University, Career, Trades and Technology and University Preparation courses and programs. Services include education and program planning, help with course selection, and registration.

The Academic Advising Resource Centre has information on programs offered at TRU, and provides calendar and online access to other Provincial, Canadian, and International Post-Secondary Institutions.

We encourage all first time and returning students to read through the online Step One Tutorial to learn about application and registration processes and the various programs offered at TRU. Degree Advising Tutorials are available online to prospective, returning, and current students interested in on-campus Bachelor Degrees offered at TRU.

Go to the Advising website (http://www.tru.ca/advising).

For further information, call Academic Advising at (250) 828-5075 or email (mailto:advising@tru.ca) or International Advising email (mailto:internationaladvising@tru.ca).

Assessment Centre

JAMES, CINDY, B.Ed., M.A. (U.Vic.), Assessment Centre Coordinator
ADKIN, PAULA, Assessment Centre Clerk

The main purposes of the TRU Assessment Centre are:

- to provide general educational assessments to facilitate appropriate placement in courses/programs that best match the students' abilities and needs.
- to administer entry assessments for admission to various TRU programs.
- to coordinate and/or invigilate examinations for other educational institutions and outside agencies.
- to facilitate Prior Learning Assessment and Recognition activities.

The Assessment Centre is located in Room OM1762 of the Old Main Building. The Centre is open year round, Monday to Friday from 8:00 am to 4:00 pm in the spring and summer sessions, and 8:30 am to 4:30 pm in the fall and winter sessions (closed for lunch from 12:30 pm-1:30 pm and on statutory holidays). The telephone number for general inquiries is (250) 828-5470. For more information, please visit the Assessment Centre website (http://www.tru.ca/dsd/assmnt/index.html) .

The L.P.I Test – 2008

The Language Proficiency Index (LPI) is administered to students who plan to enter a post-secondary institution in B.C., and serves as an indicator of the level of English competency of the student, 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 UBC to write the LPI. Information/registration pamphlets are available through the Assessment Centre. There is limited seating so early registration is highly recommended.

For more information and testing dates, visit the UBC LPI website (http://www.ares.ubc.ca/LPI/index.html).

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. 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.

Application Requirements

Applicants must be at time of application:

- a Canadian citizen or landed immigrant
- a 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
- not have received a Grade 12 graduation certificate from any institution

Application Procedure

Fees for all or any of the 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 twenty-eight (28) days prior to the test date.

Fees

Full test fee—$60.00

Rewrites:	1 test—$40.00	4 test—$55.00
	2 test—$45.00	5 test—$60.00
	3 test—$50.00	

Testing Dates (2008):

Kamloops	Clearwater, 100 Mile House
January 26 March 8 April 19 June 7 July 5 September 20 November 15	January 25/26 March 7/8 June 6/7 November 14/15
Williams Lake	**Barriere**
January 26 March 8 June 7 November 15	March 7/8 November 14/15
	Lillooet
	March 8 November 5

Please contact the Student Development office at (250) 828-5291 for further information on special GED preparation courses.

Athletics and Recreation

OLYNYK, KEN, B.A., P.D.P. (S.F.U.), M. Ed. (U.Vic.), Director, Athletics & Recreation
DAHL, CAMILLA, Athletics & Recreation, Secretary
BARRETT, CARRIE, Head Coach, Women's Volleyball
BOWLES, DUAINE, Event Coordinator
BRECHIN, KEVIN, B.A., LSA, Dip.SIM, Certified Athletic Therapist, Certified Strength & Conditioning Specialist
CHADWICK, RAY, Head Coach, Baseball
GLEDDIE, NEVIN, B.A. (Trinity Western), M.Sc. (Alta.), NCCP Level 4 (Basketball), Physical Education, Head Coach, Men's Basketball
HENNELLY, PAT, Head Coach, Men's Volleyball
LEBLANC, AARON, B.H.K., Sport Camp Coordinator
PAPE, BRAD, Head Coach, Badminton
READ, LARRY, Sports Information Officer
REEVES, SCOTT, Head Coach, Women's Basketball
RIES, DEANNA, Gymnasium Attendant
RUSSO, PINA, B.H.K., Recreation Coordinator
SCHWEIZER, ERIC, Head Coach, Women's Soccer
SHEPHARD, JONATHON, Athletics & Recreation Assistant
WALLACE, SEAN, Head Coach, Men's Soccer

TRU has a large athletic program competing in seven varsity sports. Varsity athletics is for the accomplished athlete who wants to compete at a higher level of sport. Team sports at TRU include: Women's and Men's Basketball (CIS), Women's & Men's Volleyball (CIS), Women's and Men's Soccer (BCCAA), Co-ed Badminton (BCCAA), and a Baseball team affiliated with TRU.

For more information on Varsity Athletics at TRU, please contact the Director of Athletics and Recreation - Kenneth M. Olynyk at (250) 828-5273 or the Athletics and Recreation Division at (250) 828-5009.

Please visit our website (http://www.tru.ca/athletic).

Chaplaincy

A multifaith chaplaincy on campus offers pastoral care to the university community: students, faculty and staff. They provide an operating model of multifaith and ecumenical cooperation and respect. The chaplaincy acts as a theological resource, encouraging thoughtful reflection and dialogue.

Please contact (250) 371-5940 for further information.

Counselling

Chairperson
KNOWLES, DOUG, B.A. (U.C.C.), M.E.C.A., Chairperson, Counselling and M.E.C.A

LAURIENTE, KATHY, B.F.A. (Brit. Col.), M.A. (City), Counsellor, Williams Lake
LIDSTER, DAVID, B.Ed. (Brit. Col.), M.Ed. (U.Vic.), Counsellor, Counselling
MOCHIZUKI, MARY-ANN, B.Sc. (Brit. Col.), M.Ed. (U.Vic.), Counsellor, Counselling
MUNK, SHARON, B.A. (S.F.U.), M.Ed. (U.N.B.C.), Counsellor, Counselling
ROBINSON, CLIFF, B.A. (U.C.C.), M.Ed. (Brit. Col.), Counsellor, Counselling

The Counsellors at Thompson Rivers University are professionals trained to provide a variety of counselling services designed to promote and support student academic success, identification and achievement of appropriate career goals, and personal growth.

Career and Educational Counselling is available to students who are uncertain about their career goals. Counselling can help students make realistic career plans based on interests, needs, abilities, and values.

Personal Counselling and Crisis Counselling is available to help students who are experiencing personal difficulties which may affect their ability to succeed in TRU programs and courses. Counsellors can help students clarify issues, overcome obstacles and find effective ways of dealing with problems. Counsellors may also refer students to community agencies for further assistance.

Workshops are available to help students in such areas as career planning, study skills, time management, test anxiety, and stress management.

Career Resource Centre: On-line career information is available to students and prospective students through Internet access located in the Counselling Centre.

The Counselling Department is located in the Old Main Building (OM1651). Counselling appointments may be made in person at the reception desk or by telephone at (250) 828-5023 from 8:30 am to 4:30 pm, Monday through Friday. Summer hours are 8:00 am to 4:00 pm. Please visit our website (http://www.tru.ca/dsd/counsel/index.html) for further information on workshop times and course scheduling.

Degree Advising Tutorials

Degree Advising Tutorials are available for all on-campus Degree programs offered at TRU. Prospective and current students benefit from these tutorials as they learn how to plan their own courses, find out requirements and choose electives. These are offered online (http://www.tru.ca/advising). Go to Online Tutorials.

Need to know more about offerings at TRU or help finding links to TRU Faculties? Go to Program Information at the Academic Advising Website (http://www.tru.ca/advising).

For further information, call Academic Advising at (250) 828-5075 or email (see Advising email - mailto:advising@tru.ca) or International Advising email (mailto:internationaladvising@tru.ca).

Disability Services

HUNTLEY, MARGE, B.A., M.A. (McMaster), M.Ed. (Toronto), Manager, Disability Services

Disability Services is committed to providing services and reasonable accommodations for students with disabilities, enabling them to integrate into the university environment and achieve their potential as self-directed, independent learners. The department assists in providing equal access to educational opportunities at TRU by reducing the physical, attitudinal and systemic barriers for students.

Disability Services provides a variety of services and accommodations for students with disabilities. Please refer to the Disability Services website (http://www.tru.ca/dsd/disabilities/) for a complete listing of our services, policies and guidelines.

Students requiring accommodations or support are required to supply current documentation (within the last 5 years and at their own expense). Many accommodations such as sign language interpreters, books on tape, special funding for adaptive technology, tutoring, etc. require considerable lead time, therefore students must contact Disability Services 3 to 6 months prior to the start of a semester otherwise supports may not be in place for the start of classes.

For information about these services, or to make an appointment please contact:

DISABILITY SERVICES
Old Main Building, Rm. OM1651
900 McGill Road, PO Box 3010
Kamloops, BC, Canada V2C 5N3

Phone: (250) 852-6440 (Kamloops)
Toll Free: 1-888-828-6644 (Kamloops)
Fax: (250) 371-5772
Email (mailto:dso@tru.ca)
Web site (http://www.tru.ca/dsd/disabilities/)
Office Hours: 8:30 a.m. - 4:30 p.m.

Financial Aid and Awards

DOWN, GORDON, B.A. (Trinity Western), Manager - Financial Aid and Awards
FRASER, CATHERINE, Dipl. Lib. Tech (VCC), Awards Advisor
HENDRY, WAYNE, B.Sc. (Brit. Col.), Awards Advisor
PETRI, BEV, Dipl. E.& Con. Mgmt. (Thompson Rivers), Awards Advisor
RUSSO, SUSIE, B.A. (Thompson Rivers), Awards Advisor
SMILLIE, LISA, B.A. (Brit. Col.), Awards Advisor
LAFAVE, BERNADETTE, Awards Clerk
RICKMAN, DONNA, Awards Clerk
LEONG, ALICE, Awards Clerk
JACOBS, VAL, Receptionist
WATSON, JACKIE, Evening Receptionist

Note: Complete information about the following services is available in the Awards & Student Finance Guide and our website http://www.tru.ca/finaid.

The Financial Aid and Awards Office is located in OM1641, and provides information and assistance to students on the following:

- TRU Entrance Scholarships and Bursaries
- Applying for internal and external scholarships, bursaries, and awards
- Applying for government student loans and grants
- Assistance in budgeting and financing your education
- Requesting appeals of government student aid decisions
- Work Study-campus employment

All financial aid and awards matters are held in strict confidence.

Hours of Operation

8:00 a.m. - 4:30 p.m.	Mon. to Fri.	Sept. to April
8:00 a.m. - 4:00 p.m.	Mon. to Fri.	May to August
Evening Receptionist (basic enquiries)		
4:00 p.m. - 8:00 p.m.	Mon. to Thur.	Late August to mid-May

Individual appointments with an Awards Advisor may be made in person, or by calling (250) 828-5024 (Kamloops). TRU students who are attending a campus other than Kamloops may arrange telephone interviews through their campus office.

A computer station within the Financial Aid and Awards office is available for students to complete their loan application online.

Adult Basic Education Student Assistance Program

Need-based, non-repayable grants are available to assist students wishing to enrol in programs such as Basic Literacy, English Language Skills and Adult Basic Education. Funds are intended to cover direct educational costs such as tuition and mandatory books. Applications are available online (http://www.studentaidbc.ca) .

Student Aid BC

The following describes the basic elements of the program for the current educational year.

For complete information, see Student Aid BC (http://www.studentaidbc.ca). Students can also find the tools at the CanLearn Website (http://www.canlearn.ca) . Look under the "Financing" tab menu.

Students planning to apply to Student Aid BC to attend TRU are strongly advised to complete their application online (http://www.studentaidbc.ca) , as the response time is much quicker and error rates much lower.

1. Program

   The purpose of the Student Aid BC suite of programs is to assist students with educational costs at the post-secondary level, but funds are granted only where the financial resources from parents, summer work, or other sources are insufficient to meet the estimated educational costs.

   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. A booklet describing the program in full is available at your Financial Aid and Awards Office, or look online at Student Aid BC (http://www.studentaidbc.ca).

2. Eligibility

   Applicants must be Canadian citizens, or Permanent Residents who are enrolling for credit in at least 60% of a full-time post-secondary program of study of a minimum of 12 weeks in length. The amount of assistance awarded will be based on Assessed Need as determined by the provincial government.

3. Obligations

   Prior to negotiating a student loan, students should read the instructions and obligations contained on the reverse of the Canada Student Loan documents and in the B.C. Student Loan Agreement.

4. Maintaining Interest Free Status

   Interest on your student loan(s) 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 a completed Schedule 2 (Canada Student Loans Program) and/or Certificate 2 (B.C. Student Loans Program) in order to receive interest-free status. Schedules 2 and Certificates 2 are available from the Financial Aid and Awards Office.

5. Deadlines

   The government must receive your application a minimum of six weeks prior to your study end date. Contact the Financial Aid & Awards Office for further information on deadlines for applying, filing appeals, etc.

Part-Time Student Assistance Programs

Grants and loans are available to assist students who are unable to study on a full-time basis. Funds are intended to cover direct educational costs such as tuition and books. Applications are available online at Student Aid BC (http://www.studentaidbc.ca).

Fee Deferrals

Students who cannot pay fees by the due dates and who have loans approved (full-time or part-time) in amounts sufficient to cover the fees, may be eligible for deferrals through the Financial Aid & Awards Office, subject to payment of the required TRU commitment fee. Refer to the Fee Payment Information brochure available from the Registrar's Office, or look online (http://www.tru.ca/admreg/fees.html).

Awards & General Information

Refer to the Awards & Student Finance Guide available from all TRU campuses and regional offices, or look online http://www.tru.ca/finaid.

Harassment Prevention

It is the policy of Thompson Rivers University that all employees and students have a right to work and study in an environment that asserts and supports their fundamental rights, personal worth and human dignity. Under the B.C. Human Rights Act, every person has the right to freedom from harassment, and Thompson Rivers University acknowledges its responsibility in protecting this freedom. Thompson Rivers University will not tolerate harassment in any form, and considers it to be a serious offence subject to a range of disciplinary measures.

If students, faculty or staff perceive that they have been subjected to harassment they may wish to discuss their concerns and/or file a complaint with the harassment prevention office, (250) 371-5800. It is within TRU jurisdiction to investigate allegations of harassment by members of the University community (i.e. students, faculty, staff). Copies of the TRU Harassment Prevention Policy are available upon request of the Department Chair, Divisional Dean, Office of Student Affairs, the Student Society office and the Harassment Advisor. For further information, please view our website (http://www.tru.ca/committees/harassment).

Physical assault is a criminal offence and should be reported to the R.C.M.P.

Housing

Built in 2007 the Thompson Rivers University Residence and Conference Centre is our newest on-campus housing. 271 suites are available with one, two or four bedrooms as well as barrier free suites for students with physical limitations. Each suite is fully furnished with a double bed, large desk and work area, telephone service with voicemail and free local calls, television with satellite programming and free high speed internet access. Each suite also has a three piece bathroom and kitchenette complete with sink, microwave and fridge. All our suites are air-conditioned and light housekeeping services are provided. Our on-site facilities include a cardio room, laundry and kitchen facilities, an outdoor patio with barbeque, furnished lounges and social areas, secure bicycle storage with exterior access, vending machines, fax and photocopy services. The Residence is a secure building with controlled access entry, 24 hour staffed front desk, sign-in policy for all guests, on-site management and video recorded common areas and hallways. Regular social and educational activities are organized by the Resident Advisors that encourage a sense of community with hundreds of other new residents. The telephone number is (250)828-8999 and address is: 900 McGill Road Bag 7000, Kamloops B.C. V2C 6E1. You can e-mail (mailto:tru@stayrcc.com) your questions or check out their web-site (http://www.http://residence.theplace2be.ca) .

Other housing is available for 300 students in the McGill Student Housing complex. Applications are available from the housing staff. The telephone number is (250) 372-7778 and the address is: McGill Student Housing, 850 McGill Rd., Kamloops, BC, V2C 6N2. Applications are to be made directly to the Residence Manager.

The Thompson Rivers University Students' Union offers a service for people looking to post available housing to students. This web service is provided through homes4students.ca, and allows landlords to post available rooms for a nominal fee. This student service supplies students with a wide variety of housing options, ranging from room and board, basement suites, roommate options and houses.

Office of Student 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, please contact (250)-371-5738 or visit our website (http://www.tru.ca/dsd/staffairs/index.html).

Orientation

Orientation programs are designed to welcome new and returning students to TRU. A week long program is offered during the first week of September, followed by events throughout the year.

For further information please contact the Orientation office at (250) 371-5835 or visit our website (http://www.tru.ca/dsd/orientation/index.html) or email (mailto:orientation@tru.ca).

Peer Support Team

This team is a trained group of students who provide caring and confidential support to student peers. The Peer Support Team may be reached by phone at (250) 371-5996, email (mailto:peer@.tru.ca), or in OM1421. For more information visit our website http://www.tru.ca/dsd/staffairs/pat.html .

Recycling Services

There are many recycling programs at TRU, several of which are available for the use of students. Office paper can be recycled in bins designated for this purpose in hallways and computer rooms, and newspaper can be recycled in the lower part of the purple Omega boxes. Pop cans and glass bottles are placed in the blue bins located in student lounges and near beverage dispensers. Cardboard can also be recycled in specially marked dumpster bins located on the grounds.

There are 10 recycling stations on campus located in all of the major buildings. These stations provide separate sections for beverage containers, office paper and garbage. TRU is taking a proactive stance on waste reduction, so should you - **reduce, reuse, recycle**!

Student Success Seminars

TRU offers a suite of courses as part of the Foundations for Success program.

These courses are designed to provide an opportunity for students to learn and adopt methods that support their success in school. See Foundations for Success (on page 177) for more information.

These seminars are open to all students. Class size is limited.

Student Success 050 is offered by the University Preparation Department.

Step One Tutorials

This online tutorial provides prospective students to TRU with information on programs offered on-campus, outlining the steps students will need to take - from admission to registration. The Academic Advisors strongly suggest that all first-time and returning students read through Step One to prepare themselves prior to making an appointment to meet with an Advisor.

Go to the Academic Advising website (http://www.tru.ca/advising) and click onto Online Tutorials.

For further information contact Academic Advising at (250) 828-5075 or by email at advising@tru.ca or International Advising email (mailto:internationaladvising@tru.ca).

Student Employment Centre

The TRU Student Employment Centre (SEC) is dedicated to supporting students and alumni in their search for casual, part-time, summer, and full-time employment. The SEC will assist students with their career development needs through one on one consultation, workshops, and on-line services. The SEC offers assistance with resume and cover letter development, interview and presentation skills, portfolio development, and access to daily job postings through our website.

Throughout the year the SEC will also provide students with an opportunity to meet employers on campus through Employer Information/Recruiting sessions and Career/Job Fairs.

For more information on these services or to make an appointment, please contact:

TRU Student Employment Services
Room OM1712 Old Main Building
Tel: (250) 371-5627
Fax: (250) 828-5014
Website (http://www.tru.ca/stuemploy/)

Timetabling and Registration Tutorials

The Academic Advising Department has prepared two web-based tutorials for students who are new to TRU, or for current students who want to brush up on their timetabling and registration skills before enrolling for 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 along with other information about student loans and payment of fees.

To access these on-line tutorials, go to the Academic Advising website (http://www.tru.ca/advising) and click onto Online Tutorials.

Wellness Centre

CORSI, CHELSEA, R.N., B.Sc.N.(UCC), B.Sc.(UBC), Wellness Coordinator, Counselling

The TRU Wellness Centre promotes the physical, emotional, social, intellectual, occupational and spiritual well-being of students and employees by providing a comprehensive package of health education and promotion activities, services and programs. The Wellness Centre offers one-to-one health and wellness planning and education sessions; small group health and wellness education sessions; as well as campus-wide health and wellness events. Information and awareness on topics such as stress, sexual health, relationship issues, substance use, tobacco use, wellness planning, exercise and nutrition is supplied by the wellness program.

Please contact the Centre at (250) 828-5010 or visit our website (http://www.tru.ca/wellness.html).

Writing Centre

Located on the second floor of the Old Main Building (OM 2674), the Writing Centre offers free tutoring in writing for all members of the Thompson Rivers University community - students, staff and faculty. The Centre is staffed by skilled peer tutors and university faculty who provide one-on-one support for all kinds of writing in all the disciplines. People usually make appointments in person, by telephone (371-5689) or e-mail (mailto:writing_ctr@tru.ca).

Services

Board of Governors Meetings

The TRU Board meets four to five times per year. Students and the general public are invited to attend the 'public' meetings.

The meeting schedule and agenda can be found on the Board's website (http://www.tru.ca/board/) .

For more information on the Board of Governors, please contact Maryanne Bower at (250) 828-5318 or by e-mail (mailto:mbower@tru.ca) .

bookies The TRU Bookstore

bookies is owned and operated by TRU . It offers you much more than new and used textbooks. Located on the first floor of the Campus Activity Centre, it sells TRU apparel, stationery, computer supplies, calculators, art supplies, phone cards, greeting cards, magazines, specialized materials required by some courses, giftware, snack food, parking passes and grad gown rentals.

bookies hours throughout the academic year are from 9:00 a.m. to 5:00 p.m., Monday to Thursday and from 10:00 a.m. to 4:00 p.m. on Friday. Summer hours are from 9:00 a.m. to 4:00 p.m., Monday to Thursday and from 10:00 a.m. to 4:00 p.m. on Friday. There are extended hours at the beginning of each semester. Phone (250) 828-5141 for details.

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.

Books may also be purchased on the web at our website (http://www.bookies.tru.ca).

Used book buy-backs run all year long. bookies will purchase used textbooks from students for 50% of the original purchase price, providing the text is the current edition and there is a demand for them in the following semester. These texts are then made available to students the following semester. bookies may also purchase books no longer being used at TRU. We buy them back for many other Canadian universities at approximately 30% of the new price. We also purchase them for U.S. wholesalers. The value of these books is set by the wholesalers and is based on market value. You can find out what value your used book has on our website under "Buybacks". If the value listed in not to your liking you can leave your email and we will let you know if and when the value increases. For further information please check our website (http://www.bookies.tru.ca).

If you have specific concerns or needs please let our staff know and we will do our best to help.

Campus Activity Centre

The Campus Activity Centre (CAC) serves Thompson Rivers University community with a variety of facilities and programs. The welcoming atmosphere of the 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.

As a financially self-supporting operation, the Campus Activity Centre provides several hospitality venues that serve the University. Our state-of-the-art facilities include:

- **Administrative Office** - An administrative and booking service available to students and outside clients to help make arrangements for facilities, set-ups and services.
- **bookie's, TRU Bookstore** - Offering more than text books, *bookie's* sells TRU apparel, calculators, computer software, stationary supplies, greeting cards, general interest books and a variety of other interesting products. *Bookie's* has an excellent buy-back policy for used textbooks. Visit bookie's for a great experience!

- **Terrace Cafeteria** - We offer daily specials for breakfast and lunch. Try Pita Pit, World's Fare, Home Zone, Grille Works, Bené Pizza & Pasta, Salad Garden, Tmmy Ymmy, Fresh Express and more.
- **Heroes Pub** - Meet at Heroes to enjoy our food and drink specials. A great place to relax and enjoy feature entertainment, pool tables, air hockey, T.V. and wonderful friendly staff.
- **TRUE Balance Massage** - Located on the 1st floor in room 155. Use your extended Health Benefits to pay for Registered Massage Therapy. To make an appointment phone 852-6449.
- **Grand Hall** - This room can accommodate 550 people for lectures and 400 people for banquets, and can also be divided into four separate rooms
- **Meeting Rooms** - The CAC has 5 meeting rooms available for seminars, workshops and meetings.
- **Rotunda** - Offering open, spacious seating for socializing, relaxing and studying.
- **Thompson Rivers University Student Union**
- **Simply Computing** - Your Campus computer store for all your computing needs, PC or Mac. Ipod and Mac headquarters, technicians available for repairs.

More information about the Campus Activity Centre can be obtained by calling (250) 371-5723 or by viewing our website (http://www.tru.ca/cac/) .

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 Cashier in Old Main building upon receipt of registration fees.

Canada Post Mail Boxes

Pick-up boxes are located outside the Old Main at the door facing the Clock Tower Building.

Cariboo Childcare, A Non-Profit Society

Mission Statement

- 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

Staff

All of the staff at Cariboo Child Care are qualified Early Childhood Educators, holding Early Childhood Education Certificates. Staff working in our School Age programs have training specifically for working with children 6 - 12 years of age, as well as ECE or relevant degree. All staff have undergone a criminal record check and hold a valid First Aid Certification.

Cost

- The child care office will provide you with our current fee schedule. Daycare subsidies are accepted.
- Our fees include two nutritious snacks each day for all programs. Our cook serves a hot lunch to all children at the main centre (8 weeks to 5 years).
- Children in our Kindergarten and School Aged program bring their own lunches.

Hours of Operation

The child care office will provide you with our current hours of operation for each program.

To Enroll

Visit the daycare office at the main center and complete a waitlist application form or contact the office at (250) 828-5160 or email (mailto:daycare@tru.ca) or download the application form from our website (http://www.tru.ca/daycare). Earliest possible placement on the waiting list is recommended.

Licensing

We meet and/or exceed licensing requirements including staffing levels, equipment and play space. The center has clearly defined policies relevant to health, guidance, transportation and safety. All policies and procedures are based on the best interest of the child and family.

We offer the following programs:

Infants:	8 weeks to 18 months
Toddlers:	18 to 36 months
3 – 5's:	3 to 5 year olds
School Aged:	Kindergarten to 12 years of age
Summer Fun Program:	Children 5-12, weekly or monthly July and August

Cultural Facilities at TRU

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. Such activities as these are vital to the promotion of cultural activities in Kamloops and at TRU.

Located off Student Street, and part of the Visual and Performing Arts Department, the **Actor's Workshop Theatre** is 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.

Situated in the Clocktower building, the Alumni theatre is the rehearsal and teaching space for the TRU Chorus. This space also contains a variety of multimedia equipment for video and slide presentations. The theatre is also used for a range of performances and readings that take place as "Cultural Events' at TRU.

Located in the Old Main building, the **TRU Fine Arts Gallery** is used for regular exhibitions of artwork by TRU Visual Arts students and faculty, as well as for exhibitions originating from other programs at TRU. The Gallery is also used for presentations by artists who come from across Canada as part of the "Visiting Artist" program. Other venues on campus that are regularly used for the exhibition of student art work include the "ARC Gallery" in the Campus Activity Centre, the "Health Services" office in Old Main, and the third floor foyer of the Clocktower, as well as an outdoor sculpture Garden adjacent to Visual Arts.

Facilities Services

TABATA, LES, B.Comm., R.I. (B.C.), F.R.I.(E), Director, Facilities Services
ASUCHAK, WARREN, Cert. Bus. Mngt. (N. Lights), B.G.S. (O.U.), Dipl. Mngt. Studies (O.C.), Dipl. Rec. Mngt. (U.C.C.), Dipl. Public Sector Mngt. (U.Vic.), Cert. Hort. (Guelph), M.Sc. (Leicester), Associate Director, Facilities
CHUA, LINCOLN, B.Engg. (Singapore), M.Sc. (Buffalo), Associate Director, Facilities Infrastructure
ANDREW, LIV, Divisional Secretary
HENRY, ANNE, Facilities Services Clerk (maintenance calls)
SETKA, JANIS, Facilities Clerk/Receptionist (parking services, key control, vehicle support)

The Facilities Services Division is located in the Facilities building. Office hours are 7:30 a.m. to 4:30 p.m. weekdays.

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 problems or inquiries should be addressed to the Facilities Help Desk at (250) 828-5388.
- Key control inquiries and key requests, as authorized by the appropriate Dean/Director, should be addressed to the Clerk/Receptionist, Facilities at (250) 828-5368. Visit the Facilities website http://www.tru.ca/facilities.

For security or building access information see the heading Security listed under Other Services.

Information Technology Services

MACKAY, BRIAN, Dipl. Ops. Mgmt., Cert. C.I.S. (B.C.I.T.), Adv. Dipl. Mngt., M.B.A. (Athabasca), Associate Vice President, Information Technology Services & Chief Information Officer
YOUNG, ABBY, IT Project Analyst
HOWE, PAT, Coordinator Computer Help Desk

The vision of the IT Services division is to provide the high quality information technology, applications, analytics and innovation infrastructure to support the learning, teaching, research and administrative goals of Thompson Rivers University.

IT Services Administration:

- Collaborates with TRU stakeholders and ITS management to develop the IT Services (ITS) vision and strategy;
- Communicates ITS plans and progress to students, faculty and staff, executives and other stakeholders;
- Addresses the organizational and budget requirements to meet the ITS vision and strategy;
- Manages the centralized Project Management Office and, through that office, develops relationships with project stakeholders;
- Provides administrative support for the ITS division, and;
- Develops and maintains operational policy as it relates to TRU's use of IT services.

IT Services Division consists of following departments:

- Administrative Information Systems (on page 26)
- IT Client Services (on page 26)
- Media Services (on page 26)
- Technical Services (on page 27)

Administrative Information Systems

MACHAJ, ANNA, M.Sc., Ph.D. (Wroclaw), Manager, Administrative Information Systems
BURTON, JEFF, Software Analyst
CARRELLI, ROB, Software Analyst
FULTZ, KARL, Database Administrator
GRANBERG, CARLA, Software Analyst
HUGHES, RUTH, Web & Internet Services Coordinator
NORSTROM, ORLUND, Software Analyst
TARZWELL, MATTHEW, Software Analyst
WALKER, RICK, Information Technology Analyst
TBA, Software Specialist

Administrative Information Systems is located on the second floor of the BCOL building. Work hours span from 8:00 a.m. to 4:30 p.m.

The Administrative Information Systems group ensures that a stable, extensible core business systems infrastructure exists for TRU. Our team coordinates software development, maintenance and acquisition to enhance and extend business systems for students, faculty and staff. We are responsible for the integration of core student and business systems at TRU and maintaining high performance enterprise data architecture to support the information needs of all TRU stakeholders.

The AIS Team administers core information systems that include student, finance, human resources, fulfillment, eServices, portals and TRU's public website.

IT Client Services

TBA, Manager, Client Services
BROOKS, KEN, Computer Support Analyst
ERICKSON, DAN, Information Technology Analyst
INGLIS, PETER, Electronic Technician
MACNEILL, DAVE, Service Desk Analyst
MAIDMENT, REG, Information Technology Analyst
MANN, RAZU, Service Desk Analyst
MCFARLANE, DAVID, PC/NT Specialist
PENNER, WALT, Computer Support Analyst
WIENS, KAREN, Computer Support Analyst
WISLA, COREY, Service Desk Analyst

Client Services is located on the 1st and 2nd floor of the BCCOL building. The office is open 08:00-16:00 hours weekdays and closed weekends and holidays.

Client Services is responsible for the following:

- IT Service Desk
- Installation and repair of desktop computer equipment: microcomputers, printers, & other peripherals.

IT Service Desk provides help to students, staff and faculty at TRU and TRU-OL who are having problems with computer systems and applications at TRU. On campus students should contact the ITS Lab Support office in OM1320 for help.

Client Services administers the computer labs through the ITS Lab Support office located in Room OM1326 of Old Main building. The Old Main Computer Labs are open 24 hours a day excluding Wednesday morning between the hours 12:00 p.m. and 6:00 a.m.

ITS Service Desk Hours:

Regular Hours of Operation - Effective September to April

Monday - Friday 8:00 a.m. to 8:00 p.m.

In addition, voicemail and email messages to the IT Service Desk will be checked and responded to on weekends between 8:00 AM and 4:00 PM.

Summer Hours of Operation - Effective May to August

Monday - Friday 8:00 a.m. to 8:00 p.m.

ITS Lab Support Office Hours:

Regular Hours of Operation - Effective September to April

Monday - Thursday 8:00 a.m. to 8:00 p.m.

Friday - 8:00 a.m. to 4:00 p.m.

Saturday/Sunday 8:00 a.m. to 4:00 p.m.

Summer Hours of Operation - Effective May to August

Monday - Friday 8:00 a.m. to 4:00 p.m.

You can reach us through the IT Service Desk at (250) 828-5320, local 5320 or email (mailto:ITServiceDesk@tru.ca) for any of your Information Technology needs.

Media Services

CLARK, ROBERT, Dipl. Broad. Comm. (B.C.I.T.), Coordinator, Media Services
DOUBT, MURRAY, Electronics Technician
BOUDREAU, ARNOLD, Electronics Technician
RUGG, LOIS, Production Technician

Media Services produces audio and visual materials that are used by all departments of TRU. The production centre provides the following services:

- A.V. Production and Editing
- Graphics Design
- Audio Recording
- Media Duplication
- Photography
- Design & Media Consultation

We actively work with faculty, staff and students in the creation of classroom support materials including CDs, DVDs and Videos.

Media Services coordinates the handout of Audio Visual equipment including projectors, video and audio playback units. You are strongly urged to book audio visual equipment two or three days in advance by calling (250) 828-5070. An electronic mail message may also be sent to our email (mailto:bookings@tru.ca). This equipment is available to staff and faculty and to students with the permission of their instructors. Media Services is also responsible for the repair and preventative maintenance for AV equipment in all multimedia and regular classrooms.

We coordinate the booking and technical support for the video conferencing systems at TRU. We also manage the content that is displayed on the digital signage system for communicating campus events.

The Media Services offices are located in Old Main between 1462 and 1486. The hours of operation are from 7:45 a.m. to 5:00 p.m. Monday thru Friday.

Technical Services

COLE, WESLEY, B.Sc. (U.Vic.), Manager, Network & Technical Services
BURLEY, HUGH, Senior Technology Coordinator
HAMOLINE, HEATH, Sr. Client Support Analyst
HARMS, CLIFF, PC/NT Specialist
PINETTE, WAYNE, Information Technology Analyst
READ, RORY, Central Services Analyst
TBA, Collaboration Technology Specialist
WATSON, AL, Electronics Technician

Network Services

BURKHOLDER, DAVID, TCOM Dipl (TRU), Coordinator, Network Services
BLISS, BRENDA, Campus Receptionist /Switchboard
GODBER, GREG, Electronics Technician
MIYAHARA, TREVOR, Electronics Technician

Technical and Network Services are located on the 2nd floor of the BCCOL building. The office is open 08:00-16:00 hours weekdays and closed weekends and holidays.

Technical and Network Services are responsible for the following:

- Server and Server Infrastructure maintenance and repair
- Installation and repair of telephones and telephone equipment.
- Installation of data lines and data communications equipment.
- Repair, calibration, and preventative maintenance of electronic equipment used in vocational programs.
- CATV on campus.
- Novell Local Area Network
- Kamloops Campus Wireless Bubble
- Staff and Faculty E-Mail and GroupWare
- Printing

You can reach us through the IT Service Desk at (250) 828-5320, local 5320 or email (mailto:ITServiceDesk@tru.ca) for any of your Information Technology needs.

Occupational Health and Safety Department

JYRKKANEN, Stacey, R.T., B.Sc (UCC), Manager, Occupational Health and Safety
PAPP, RICHARD, OH&S Officer

The Department of Occupational Health and Safety (OH&S) is part of the Human Resources division and is located in Health Services of Old Main (OM1461). The OH&S department is responsible for the health and safety management systems governing all of Thompson Rivers University's campuses, as mandated by WorkSafe British Columbia. Systems such as accident/incident reporting, emergency response, Workplace Hazardous Materials Information System (WHMIS), and Violence in the Workplace all fall under the administration of the OH&S Department.

The Department of Occupational Health and Safety works collaboratively with all departments, faculties, students and Joint Health and Safety Committees to ensure that the campus community is a safe and secure place to work and learn. This is accomplished by the identification of hazards, assessment of risks and the application of appropriate measures to prevent injuries and illnesses. Any and all injuries or illnesses resulting from activities on Thompson Rivers University's campuses must be treated by campus first-aid, and then reported to their Supervisor and the TRU Safety Officer. Contact campus first-aid by dialing local 1111, or if an ambulance is required - dial 911 on any security phone. Any persons wishing to contact the OH&S department can do so by dialing the Safety Officer at (250) 828-5139 during business hours, or after hours by contacting Security at (250) 828-5033, or at local 1111.

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 within Health Services, in person, or at 828-5126.

Premium funding for this insurance plan will be paid 100% by Thompson Rivers University, through the University Activity fees.

Health Services Medical Clinic

EWART, DR. ELIZABETH
FARREN, DR. RUTH
JANZ, DR. CHRIS
LAWRIE, DR. SELENA
TEVENDALE, DR. SUSAN
YOSHIDA, DR. HILIARY
HICKETTS, LEE-GAYE, M.O.A.

The operation of the University medical clinic also falls under the management of the OH&S department. Thompson Rivers University has accredited physicians available on an appointment basis, five days a week, 7 1/2 hours per day. The hours of operation of the medical clinic are 08:30 am to 04:00 pm. Appointments can be arranged by visiting Health Services at OM 1461, or by contacting the Medical Office Assistant at (250) 828-5126. In case of emergency, 24 hours-a-day assistance can be summoned by dialing local 1111 or 911 on any of the campus security phones.

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. Should students require access to these records, for any reason, please contact the Medical Office Assistant at (250) 828-5126.

Provincial WorkSafe BC Coverage

Effective September 1, 1994 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.

Parking

Information on campus parking services, charges, passes and violations can be found under the heading "Parking" listed in the Other Services section of this calendar. Parking problems or concerns should be addressed to the Parking office at (250) 828-5368 (Local 5368) or email (mailto:parking@tru.ca).

Planning Council for Open Learning Meetings

The Planning Council for Open Learning meets twice a year. Students and the general public are invited to attend the 'public' meetings.

The meeting schedule and agenda can be found on the Planning Council for Open Learning's website (http://www.tru.ca/planningcouncil/).

For more information on the Planning Council for Open Learning, please contact the Secretary, Academic Governance at (250) 828-5019 or by email (mailto:dsproull@tru.ca).

Senate Meetings

The TRU Senate meets on the 4th Monday of the month, except in July and August. Students and the general public are invited to attend the 'public' meetings.

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

For more information on the Senate, please contact the Secretary, Academic Governance at (250) 828-5019 or by email (mailto:dsproull@tru.ca).

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 more quickly than in Fall or Winter. 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. You can pick up a free copy of our Summer Session brochure in early January in the Registrar's Office, Bookstore, Library and various other locations around campus, or visit our website (http://www.tru.ca/summer) for the most up-to-date schedule and information.

University Library

Kamloops Library

LEVESQUE, NANCY, B.A. (W.U.-St. Louis), M.L.S. (Emory), Director, University Library
BENNETT, DIANE, Divisional Secretary
BRENDLE-MOCZUK, DANIEL, B.A., M.L.I.S. (Brit.Col.), Instruction Librarian
COYNE, MICHAEL, B.A. (Windsor), M.L.I.S. (West. Ont.), Systems Librarian
GAYNOR, KATHY, B.Ed. (Sask.), M.L.I.S. (McGill), Information Services Librarian, Chairperson, Library
HAGGARTY, PENNY, B.A., M.L.S. (Brit. Col.), Collections Librarian
PELLER, PETER, B.Sc., M.L.S. (Brit. Col.), Public Services Librarian
SMITH, BRENDA, B.A., M.A. (S.F.U.), M.L.I.S. (Brit. Col.), Access Services Librarian
DUPUIS, JIM, B.A., (Windsor), Dipl. Lib. Tech, (V.C.C.), Library Technician
ENDERS, RUTH, B.A., (Alta.), Dipl. Lib. Arts (S.A.I.T.), Library Technician
HARDY, MARK, B.A., (Brit. Col.), Dipl. Lib. Tech (Langara), Library Technician
PENNER, ANITA, Dipl. Lib. Tech (V.C.C.), Library Technician
SAMPSON, TRINA, B.A., (Okanagan), Dipl. Lib. and Info. Tech (UCFV), Library Technician
STEARNS, CARRIE, (Alta.) Dipl. Lib and Info. Tech (S.A.I.T.), Library Technician
ANDREWS, DEBBIE, Part-time Library Clerk
BREWER, SUSAN, Library Clerk
JONES, PENNY, Part-time Library Clerk
LaBAR, ELAINE, Library Processing Clerk
PENTILCHUK, PENNY, Library Clerk
RANISETH, MARILYN, Part-time Library Clerk
RESSLER, SHERI, Part-time Circulation Clerk
SCOTT, DONNA, Part-time Circulation Clerk
WRIGHT, ANNA, Part-time Library Clerk
WELLS, JULIA, Part-time Library Clerk
WEST, SHANNON, Library Clerk

Consisting of the main Library, located on the Kamloops Campus, and a smaller branch library at the Williams Lake Campus, the TRU Library supports all of the courses and programs taught at TRU. The Library collection, which has over 280,000 volumes, 26,000 periodical subscriptions, 85 article and research databases, and an extensive collection of government documents, pamphlets, microforms, and audiovisual materials, is an important educational resource for the entire TRU community. The Library is available to all TRU students, faculty and staff. Members of the public residing in the TRU region have access to some resources and services. The TRU Library homepage http://www.tru.ca/library serves as the main portal to access the Library's many specialized resources and services.

Some of the resources and services to students include:

- Access to all of TRU Library's print and online resources (e.g., library catalogue, article databases, electronic journals, statistical databases, research guides, etc.)
- Reference assistance at the Library Information Desk and via Email Reference, Instant Messaging, Facebook and AskAway.
- Use of the How Do I . . . section of the TRU Library website, which provides research tips, citation style guides, and subject-specific research guides
- Interlibrary loan service for items that are not in the TRU Library's collection or are available at another TRU Campus Library
- Library instruction classes, which teach information literacy skills and effective research strategies through a graduated curriculum catering to each academic level and subject/discipline
- 1-ON-1 reference consultations with a librarian for in-depth research assistance

Loan Periods & Library Fines

Loan periods vary according to the type of material. Fines are charged for overdue, damaged, or lost library materials. Official transcripts are withheld until charges are cleared.

Overdue rates:

- One dollar ($1) per hour per 2-hour loan on reserves.
- One dollar ($1) per day for overdue Reserve materials, videos or interlibrary loans.
- Twenty-five cents (25¢) per day for all other overdue library materials.

Library Hours

Library hours vary. Please see our website http://www.tru.ca/library or call:

Kamloops: (250) 828-5301

Williams Lake: (250) 392-8030.

Library Cards

TRU Kamloops students must obtain a Student Card from the Campus Cashier in the Old Main building. Williams Lake students get cards at the Bookstore. This card 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, see our website http://www.tru.ca/library .

Williams Lake Library

RENNIE, ELIZABETH, B.A. (Calg.), M.L.S. (Syracuse), Campus Librarian (Wm. Lk.)
MOON, SUSAN, Resource Services Clerk

The Williams Lake TRU Library collection consists of over 10,000 items, including 500 volumes of periodicals and 800 audio/visual items. The library also has numerous electronic resources, including access to several full-text databases. As well as this collection, students and faculty have access to TRU Kamloops Library holding, and items not available locally can be obtained through the interlibrary loan network.

The library serves as a welcoming location for research, study, reading and testing.

U-Pass / Public Transit

The City of Kamloops operates a public bus system that makes regularly scheduled trips to TRU. Buses run on a regular basis from all parts of the city, including direct routes from the North Shore, to a new Transit Centre on the TRU Campus. Current Bus Schedules are available outside the Counselling office, at the Students' Union office, and in bookie's. You can also access an online schedule at the City of Kamloops website (http://www.city.kamloops.bc.ca/transportation/transit).

Every student is charged $40.00 per semester for the Universal Bus Pass. The Students' Union is responsible for the administration of this program, therefore, any questions or comments are welcome and can be addressed at the Students' Union office.

This program encompasses more than transit, it also grants access for students to use the city-run aquatic facilities, which includes every pool in Kamloops, except the YMCA. In order for the U-Pass to be valid, a sticker must be administered by the Students' Union. There is an opt-out option for students who live out of the transit service area and commute, and also for those who are unable to use the program. For more information on the U-PASS, please visit the TRUSU website (http://www.trusu.ca) or contact the Students' Union at (250) 828-5289.

Other Services

Extended Health and Dental Plan

The Extended Health and Dental Plan is available and charged to full time Academic, Career Technical and Trades and Technology students. This plan supplements basic healthcare provided through Medical Services Plan of BC. It does not replace your Provincial Healthcare. Please check your course registration data form to confirm that you were assessed the Health Plan and Dental Plan.

If you wish to purchase family coverage for your spouse and/or dependents, you must complete the application form and pay the family coverage fee. Family Add-on forms must be received and paid in full **before the deadline**. You must come to the Student Benefits Plan Office to complete this process.

Please note that you will not be reimbursed for any health and/or dental claims until all student fees are paid in full.

If you choose to waive the student health and dental plan, you will need to provide documentation of comparable coverage on an existing plan and complete a Benefits Waiver form, **before the opt-out deadline**. **All waivers must be completed and signed by the student at the Benefits Plan Office** Room 162 Campus Activity Centre by the **applicable opt out deadline.**

For complete information about the plan and applicable deadlines please contact the Student Benefits Office in Room 162 of the Campus Activity Centre, or visit our website (http://www.gallivan.ca/studentnetworks) . Choose your institution Thompson Rivers University.

Food Services

Food Service operations are located in several locations on campus.

The Culinary Arts Program operates the Culinary Arts Training Centre (CATC) and Accolades the TRU Dining Room in the CATC building in the centre of campus.

Both the Cafeteria and Dining Room are open to the public. The Cafeteria is open for breakfast and lunch featuring a wide selection of products made by the Culinary Arts Students. The Dining room, with capacity for 60 guests has daily service from Tuesday to Friday with reservations appreciated. For Dining Room evening reservations please call (250) 828-5354 after 3:30 p.m. weekdays (Tuesday - Friday).

Culinary Arts Training Program	
Culinary Arts Training Centre (CATC)	**Accolades Dining Room**
September to May	September to May
7:30 a.m. - 1:00 p.m.	6:00 p.m. – 10:00 p.m.
Monday to Friday	Tuesday to Friday

ARAMARK Campus Services operates the Terrace Cafeteria and Heroes Pub in CAC; Tim Hortons and Montagues Deli and Old Main Café in the Old Main building; International Café in the International Building; the Trades Café in the Trades and Technology Building; and year-round catering. Please call (250) 828-5005 with inquiries about catering services and (250)371-5720 regarding kiosk information or visit the ARAMARK website (http://www.www.tru.campusdish.com).

Campus Activity Centre	
Terrace Cafeteria Food Court – 2nd floor of the CAC – Grill Works, World's Fare featuring "SPICE"-, Pita Pit, Tmmy Ymmy Bakery, Salad Garden, Home Zone, Bene Pizza and Pasta, Fresh Express, Java Coffee, Cold Beverages, confectionery. Hot Breakfast, Lunch and Dinner.	
Monday to Thursday	8:00 a.m. – 6:00 p.m.
Friday	8:00 a.m. – 3:00 p.m.
Heroes Pub – Licenced – Pub food until 7:00 pm	
Monday	11:00 a.m. - 9:00 p.m.
Tuesday	11:00 a.m. to 11:00 p.m.
Wednesday to Friday	11:00 a.m. - 1:00 a.m.
Saturday	5:00 p.m. - 12:30 a.m.

Old Main Building, on Student Street	
Tim Hortons – Everyone's favorite coffee and donuts	
Monday to Thursday	7:30 a.m. - 8:00 p.m.
Friday	7:30 a.m. to 4:30 p.m.

Montague's Deli - Fresh made sandwiches	
Monday to Thursday	10:30 a.m. - 4:30 p.m.
Friday	10:30 a.m. - 2:30 p.m.
Old Main Café - 2nd Floor - Serving Pizza, Grab&Go Lunch items, Baked Goods, Sushi and much more	
Monday to Friday	8:00 a.m. to 2:00 p.m.

International Building, First Floor	
International Café - We Proudly Brew Starbucks Coffee, Pizza, Grab&Go lunch items, Sushi and much more	
Monday to Thursday	8:00 a.m. to 5:30 p.m.
Friday	8:00 a.m. to 3:00 p.m.

Trades and Technology Building	
Trades Cafe – 2nd Floor – Pizza, Hot Dogs, Grab&Go lunch items, bakery goods and much more	
Monday to Friday: 7:30am to 1:00pm	7:30 a.m. - 1:00 p.m.

Freedom of Information and Protection of Privacy

Thompson Rivers University gathers and maintains information used for the purpose of admission, registration and other activities related to being a member of the TRU community and attending a public post-secondary institution in British Columbia. In signing an application for admission, all applicants are advised that both the information they provide and any other information placed into the student record will be protected and used in compliance with the Freedom of Information and Protection of Privacy Act.

Lockers

At TRU, a limited number of lockers are available for a small charge per semester. Lockers are $8.00 for a small and $10.00 for a large. Each locker will have a lock included with this charge. If you wish to have a locker, come by the Students' Union office to register. Student ID is required and upon receipt of payment a combination to the assigned locker will be issued. Space is limited so we encourage you to share with another student. All lockers must be cleaned out by the end of exam period. All lockers must be re-registered during September, January and May for a further four-month period. Unregistered lockers have their contents removed and stored at the Students' Union for a 30 day period, after which the contents are disposed of. Students vacating their locker mid-term are asked to notify the Students' Union that their locker is available. For lockers in the Gymnasium locker rooms, please refer to locker and towel services described under recreation facilities.

Lost And Found

Students may address inquiries about lost and found items to the Student Services Receptionist or the Evening Receptionist, who are located in OM1641, or call (250) 828-5024.

Parking

All parking at TRU is in designated parking lots or specially marked spaces, of one of the following types:

- Staff Parking Lot-Annual Staff Pass and Daily or Long Term Permit required
- Student Parking Lot-Daily or Long Term Permit required
- Special Spaces:
  - Reserved-Permit required
  - Handicapped-Handicap Parking Permit required
  - Service Vehicle-Service Vehicle Permit required
  - Motorcycle-Free in designated areas
  - Bicycle-Free in racks outside most buildings
  - A Bicycle Compound is located adjacent to Lot I. The user fee is a $10.00 key deposit (per semester), which is refunded when key is returned
  - Short Term Visitors-Metered Parking

Any vehicle brought on to Campus must be parked either in a Parking Lot or in a Special Space (providing the vehicle has the correct permit). Vehicles may not be parked in:

- TRU roadways
- entrances to and exits from parking spaces
- any area not clearly marked as a parking space
- in such a way as to block other vehicles or impede travel
- in emergency or fire lanes

Vehicles improperly parked will be subject to a Parking Violation Notice or tow without warning at the owner's expense.

Student Parking

Every student vehicle must be parked in one of the Pay Parking Lots. A valid Daily or Long Term pay parking permit must be displayed.

Daily Permit

Pay Parking Lot users must display a valid permit, indicating that they have paid the fee for the current day, at any time between 8:00 a.m. and 5:00 p.m., Monday to Friday inclusive. At other hours, and on Saturdays, Sundays, Statutory Holidays, and any other days when TRU is officially closed, there is no charge for using the Pay Parking Lots.

Please note that parking rates are in effect during Reading Break (Reading Break is not considered a holiday).

Handicap Parking

Users of designated handicap parking spaces are required to display a valid handicap parking permit. Permits are available (with approved doctor's note) from the parking office, Facilities Building, for temporary use, or from Social Planning and Research Council of BC for long term use.

Long Term Permits

Long term permits may be purchased at the Campus Activity Centre Bookstore. Monthly or Semester or Annual pay parking permits are available for pre-paid parking. Note that such passes do not guarantee a parking space, and no refunds are given for days not used.

Motorcycle/Bicycle Parking

Motorcycles may park for free in the designated motorcycle parking areas only. Any motorcycles occupying regular pay parking spaces must display a valid daily or long term pay parking permit.

Bicycles may park for free in any bicycle racks located outside most buildings. Any bicycle found secured in locations other than these racks will be impounded. Bicycles may not be brought into buildings.

Special Spaces

Permits to allow vehicles to park in one of the Special Spaces, less Handicap Parking, must be obtained from the Parking Office. Such permits are issued only upon production of appropriate documentation. Please consult the Parking Office staff for details.

Parking Violations

Vehicles in their first violation of TRU parking regulations will receive a warning, the second violation will result in a Fine of $25.00. Subsequent violations may result in the vehicle being towed without warning, at owner's risk and expense.

Where a fine remains unpaid, all unpaid fines may be referred to a collection agency, etc. All further violations shall result in the vehicle being towed at owner's expense.

Appeals

A parking appeal and advisory committee, with staff, student, faculty and administrative representation will hear any appeals against Parking Violation Notices. Information about how to initiate an appeal is available at the Parking Office.

Parking Office

The Parking Office is located at the Facilities Building. Telephone: (250) 828-5368.

Print Shop

The Print Shop is located at the south end of the old main building in Room 1206. Our 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.

The Print Shop hours are 8:00 a.m. to 4:00 p.m. Monday through Friday throughout the year.

Phone (250) 828-5380

E-mail (mailto:printshop@tru.ca)

Check out our website (http://www.tru.ca/printshop).

Recreation

Throughout the school year, 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/racquetball court, a weightroom, changerooms with showers and lockers, and a full sized gym floor. A minimum fee may apply for selected gymnasium services.

If you have any questions in regards to Recreation at TRU, please contact Pina Russo - Recreation Coordinator at (250) 828-5271 or via email (mailto:prusso@tru.ca).

Security

Campus security services are provided by Concord Security Corporation on a 24-hour basis, every day of the year. The Security office (OM1016) is located on the Concourse area of Student Street in the Old Main building. Security staff are trained in first aid.

On-duty security staff can be contacted by calling (250) 828-5033 (Local 5033). In case of emergency requiring police, fire or ambulance, call 911.

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 office at (250) 828-5033.

Student Newspaper

Omega is TRU's independent student newspaper.

The campus publication is written by TRU students for TRU students. Omega has a circulation of 1500, which is distributed every Wednesday across campus and the community. Students are encouraged to volunteer at the paper as contributors or board members.

Students' Union

Each student registered in credit courses at the Kamloops campus of TRU is assessed a Students' Union fee. For full information about the Students' Union and their services, please visit the TRUSU website (http://www.trusu.ca).

TRU Alumni Association

After graduating with a minimum of 30 credits from a degree, diploma, or certificate program, a student becomes a member of the Alumni Association. The Association offers a number of programs and services for both alumni and students.

The Online Community for students and graduates offers Online Mentoring, a Permanent TRUalumni.ca email address, Travel & Relocation Advice, Bulletin Boards and more. Best of all, it's free!

Our Project Grants program offers funding for special projects that benefit students or the institution. Application deadlines are September 30, January 31, and May 15 annually. Details are available on our website (http://www.trualumni.ca).

The Mentoring Program connects students with professionals working in their field of interest. Many alumni volunteer their time to help students make informed career decisions. Please contact the Student Employment Centre for more information.

The Association, under the direction of a volunteer Board of Directors, is dedicated to fostering relationships between alumni and the university for the advancement and mutual benefit of alumni, students, staff and the institution.

For more information on our programs and services, please visit our office in House 9, call (250)828-5498 or email (mailto:alumni@tru.ca).

The Association offers students and alumni a number of scholarships and bursaries. Check the Financial Aids and Awards guide for details on eligibility.

The TRU Foundation

Building Our Future

The TRU Foundation carries on the activities dedicated to the advancement of education and other charitable purposes beneficial to TRU. This is accomplished through the efforts of a volunteer Society, the Foundation staff, and community supporters. As a registered society under the statutes of the Province of British Columbia and governed by the regulations of Canada Customs and Revenue Department the Foundation can issue charitable donation receipts to all of its donors.

PURPOSES OF THE FOUNDATION

a. To undertake activities which promote and benefit education at TRU.

b. To encourage community interest in post secondary education at TRU.

c. To obtain financial support for TRU programs and projects.

d. To provide funds for financial awards for TRU students.

e. To serve as the manager and trustee of funds invested with, or donated to the Foundation.

f. To coordinate all fundraising undertaken on behalf of the University.

The Foundation exceeded its fundraising goal last year by raising over $1,100,000 for students and TRU, with an additional 1.3 million dollars in planned gift expectancies advised to the Foundation to date. The current value of the Foundation's Endowment funds stands at over $7.2 million. The Foundation awarded over 1.4 million dollars to students and program needs last year.

BENEFITS OF YOUR GIFTS

Your gift to the TRU Foundation is an investment in the future of higher education in the Interior of British Columbia.

A gift to the Foundation will ensure that excellence in education and service to communities in the Thompson Okanagan and Cariboo regions will continue and flourish.

A GIFT TO THE TRU FOUNDATION CAN:

- Provide scholarships and bursaries for needy and deserving students.
- Help provide facilities and services which complement those provided by provincial funding.
- Provide teaching materials and equipment to maintain the standard of excellence in education such as donations for library resources.
    - Support special programs and activities of the University.

HOW CAN YOU GIVE?

Planned giving is a way to make a contribution to the Thompson Rivers University in the areas of your choice, while maximizing tax benefits. Planned gifts come in many forms: life insurance policies in which TRU is the beneficiary, bequest in wills and many types of income-generating annuities. Leaving a lasting legacy to TRU is your opportunity to give back to the community. For more information on establishing a planned gift please contact the Foundation office today at 250.828.5266.

Cash Donations of any size are always appreciated. Such gifts may be designated to provide scholarships, bursaries or to fund special projects, or may be left "unrestricted" to help those students in greatest financial need.

Endowment Funds created by larger cash gifts provide a living reminder of the donor's generosity. Interest from these funds can be designated for specific uses or its application left to the discretion of the Foundation Directors. Many of the private endowments currently managed by the Foundation have been established as memorials to family members and friends.

Annual Fund Gifts are awards given every year from the donor to support a student in the particular program of the donor's choice. This is a popular area of giving for community groups, businesses or professional associations. After the fund has been established, the Foundation will contact the donor annually for the funds.

Gifts-in-kind can cover a wide range of products, equipment or services. On behalf of the University, the Foundation has accepted gifts of computers, vehicles, heavy equipment, books and works of art.

For Further Information, please contact:

SEGUIN, CHRISTOPER, B.A. (S.F.U.), Vice President, Advancement

Karen Gamracy, Development Officer

PO Box 3010

Kamloops, BC

V2C 5N3

Telephone: (250) 828-5264
Email (mailto:foundation@tru.ca)
Website (http://www.tru.ca/foundation)

TRUSU Foot Patrol

Foot Patrol is a student volunteer organization designed to provide a safe alternative to walking alone for students, staff, faculty and guests of TRU. The Foot Patrol not only patrols the campus but will give you a safe walk to your car, class, bus stop or dorm (McGill Housing and Upper College Heights Residences).

All patrols consist of a co-ed team made up of students and staff of tru. A full-time supervisor who is a qualified first-aid attendant will be on each night. Walks can be prearranged for your convenience or immediate service is also available.

To Arrange a Walk:

1. Call the Student Society office at 371.5965 or call the campus switchboard at 828.5033 and ask for Foot Patrol.
2. Stop by the TRU Student Union office (located in the Independent Center, just to the right of the Campus Activity Centre) to prearrange a walk.
3. Use any yellow security phones or "help" phones in the computer rooms and dial 5965.
4. Ask any of the Foot Patrol volunteers while they are on patrol and they will be happy to assist you.

Hours of Operation:

Foot Patrol operates from 7 - 10:30 pm Monday to Thursday during the fall and winter terms (not including exam times).

Degree Programs

Thompson Rivers University provides a variety of Degree and Post-Baccalaureate Diploma programs.

Master of Business Administration

Program Governance

Dean of the School of Business and Economics

YOUNG, MURRAY, B.A., M.B.A. (Indiana), Ph.D. (Ohio)

Chairpersons

RAHMAN, HAFIZ, B.A. (Hons.), M.A. (Jahangirnagar), M.A., Ph.D. (Man.), Associate Professor, Chairperson, Economics
WARREN, BERNIE, B.Sc.F. (Toronto), M.A.Sc. (Waterloo), Management Science & MIS, Chairperson, Management

Program Advisor

T.B.A.

General

The TRU MBA is designed to produce managers of the highest caliber who in addition to having a superior knowledge of the current business curriculum and excellent business research and consulting skills, possess strong critical thinking, business communication, and leadership abilities, and can work effectively in teams. Courses will be taught with a strong international focus and emphasis will be placed on applications of technology in business.

The TRU MBA is currently under review. Please refer to the Program website (http://www.tru.ca/mba) for the most current information.

Master of Education Degree

Program Governance

Dean, School of Education

MILLER, JACK, B.Ed., M.Ed., Cert. Ad. Ed. (U.Vic.), Ed.D. (Brit. Col.) Assistant Professor, Education

Chairperson, B.Ed. Program

WALTON, PATRICK, B.A., B.Ed., M.Ed. (Regina), Ph.D. (Brit. Col.), Associate Professor, Chairperson, Education

Joint Coordinators, M. Ed. Program

PURVEY, DIANE, B.A. (Brit. Col.), M.A. (U.Vic.), Ph.D. (Brit. Col.), Assistant Professor, Education, Coordinator, Master of Education
WHITTLES, MARTIN, B.A. (Leth.), M.Sc. (L.S.E.), Ph.D. (Cantab), Assistant Professor, Anthropology, Coordinator, Master of Education

Program Description

The learning objectives of the Master of Education (M.Ed.) degree focus on producing effective teachers, competent curriculum designers, and capable researchers, committed to life-long learning. Designed for working professionals, the program invites part-time learners, who will be able to complete the program of studies in three years. The program includes nine credits related to research, encouraging the flexibility of working in the student's area of interest. The program allows a wide range of supervisors, thereby enhancing opportunities for graduate students to work with expert and experienced faculty within the Faculty of Arts and the School of Education, as well as other related departments, at Thompson Rivers University.

Admission Requirements

The applicant must meet the University admission requirements and have a 4-year undergraduate degree or equivalent from an accredited institution. Applicants must submit an official transcript from each college or university attended showing all college-level courses and degrees earned (a minimum GPA of 3.0 is required), two letters of recommendation, a minimum of two years' successful experience in an educational capacity, and a statement of interest in the program. International students with English as a second language must have iBT TOEFL minimum scores of 21 in Reading and Listening, 20 in Speaking and Writing and a minimum total score of 90.

Application Procedures

For application information contact:

Dave Gulley, Education Advisor (mailto:edadvising@tru.ca) or 377-6048.

For course/program information contact:

Diane Purvey (mailto:dpurvey@tru.ca) or 371-5526

Course Requirements

Course	Course Title	Credits	Start Date
EDUC 501	Research Methods	3	July 2009
EDUC 502	Philosophy and History of Education	3	July 2009
EDUC 507	Research Project: Design	3	Fall 2009
EDUC 503	Curriculum, Teaching, and Learning	3	Winter 2010
EDUC 504	Diversity: Constructing Social Realities	3	Summer 2010
EDUC 505	Principles and Processes of Educational Leadership	3	Summer 2010
EDUC 506	Directed Seminar	3	Fall 2010
Various	Elective	3	Various
EDUC 508	Research Project: Implementation	3	Winter 2011
EDUC 509	Research Project: Presentation	3	Summer 2011
		30	

Master of Science in Environmental Science

Program Governance

Dean of Science

PRINS, LARRY, R.R.T. (Fanshawe), I.D. (Brit. Col.), M.A. (Gonzaga), Advanced R.R.T. (C.S.R.T.)

Canada Research Chair in Community and Ecosystem Ecology

FRASER, LAUCHLAN, B.Sc., M.Sc. (Brit. Col.), Ph.D. (Sheffield), Canada Research Chair, Coordinator, Master of Science

General Information

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 well being 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 Master of Science in Environmental Science provides an integrative, multi-disciplinary approach to the study of the environment.

Thompson Rivers University (TRU) is ideally located to study environmental issues because of its proximity to a wide variety of diverse regional ecosystems. Kamloops is a small city of approximately eighty thousand people centred 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, as well as mountain and ocean ecosystems 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, BC Grassland Conservation Council, and Ducks Unlimited Canada.

The TRU MSc in Environmental Science program fills local, regional, provincial, national and international needs for environmental professionals. The program is designed to produce graduates who are innovative and have multi-disciplinary skills and broad knowledge in the field of environmental science. It is structured to be unique, flexible and relevant.

Admission Requirements

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 2 or 3 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.

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.

Deadline for Fall applications is April 30.

Program Requirements

Applicants must meet the following TRU admission requirements:

1. Have completed a four-year undergraduate degree or equivalent from an accredited institution.
2. A minimum GPA of 3.0 (B) is required within the last 2 years of study in major courses.
3. Have successfully completed an introductory statistics course.

Course Curriculum

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, 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, in particular ENVS 500, 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 500	Environmental Science: Topics and Case Studies	4 credits
ENVS 501	Research Methods, Preparation and Presentation	3 credits
Advanced Topics - 3 credits		
Choose one of:		
ENVS 502	Advanced Topics in Ecology and Evolution	
ENVS 503	Advanced Topics in Physical Sciences	
ENVS 504	Advanced Topics in Policy and Management	
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		

Application Procedures

Application Requirements:

1. Completed TRU application form
2. Two letters of recommendation written by professional or academic references (form enclosed).
3. Cover letter outlining the applicant's interests. Please provide an essay of 350 words or less describing your previous research experience, why you are interested in graduate studies, what you hope to gain from and contribute to the program, areas of particular interest within the field, how you hope to apply your knowledge after graduation, and any other information you believe will be useful for the admissions committee.
4. Personal resume or Curriculum vitae.
5. Official transcripts from each College or University attended.
6. $25.00 non-refundable application processing fee for new applicants to TRU.

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.

Students who choose to e-mail their TRU Application Package must attach the electronic files containing all the required documentation. For applications that are e-mailed, hard copies of official transcripts must be submitted separately.

Submit applications to:

Maureen McCully
Registrar's Office
Thompson Rivers University
P O Box 3010
Kamloops, BC V2C 5N3

For further program information contact:

Nadine Cornell
MSc Program Assistant
E-mail (mailto:ncornell@tru.ca)
Phone: 250-828-5467

Bachelor of Arts Degree Program

Program Governance

Dean of Arts
SCHECK, ULRICH, Staatsexamen (U Mannheim/Germany), M.A., Ph.D. (Waterloo)

B.A. Program Advisor
PILLAR, BARB, B.A.

General Information

Admission Requirements:

Admission to the Bachelor of Arts degree requires BC Grade 12 or Adult Dogwood or Mature student status.

Mathematics 11 or higher is strongly recommended for students pursuing Education or a major in Sociology or Psychology.

Applicants who do not have 73% on combined English 12 and Government exam in the last five years will have to complete one of the following prerequisites to qualify for ENGL 110:

- Level 4, on the composition section of the Language Proficiency Index (within the last 2 years)
- or completion of English 060
- or completion of ESAL 057 and ESAL 058 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 the October 1 date.

Applicants should be aware of the timetabling and registration workshops that are available on-line (http://www.tru.ca) 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 for more information.

Students intending to transfer to TRU or from TRU to other institutions should check the BC Transfer Guide (http://www.bccat.bc.ca) to ensure the courses taken will transfer.

Program Description

The TRU B.A. is a four-year degree program which 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 TRU B.A. programs: the **General B.A.** (with a concentration or a Thematic Studies Option) and the **Major B.A.** (with or without a Minor).

The General B.A. 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 (currently available in Economics, Economic and Political Studies, English, Geography, History, Mathematics, Psychology, Sociology, and Theatre Arts) allow students to focus specifically on courses in one area of study. All students in the B.A. program are exposed to a second language and to the process of scientific and formal reasoning. Moreover, the TRU B.A. program emphasizes written communication skills. Each student must complete six credits of study in writing intensive courses at both the 100-200 level and at the 300-400 level. Each program of study, however, includes a number of possible degree options. Thus, students have a good deal of freedom to design a B.A. program that suits their own individual needs. If you have any questions or require further information, contact the B.A. Program Advisor or the Dean of Arts.

Program Advising

Students in the first and second years of the B.A. program should choose their 100-200 level courses in consultation with Academic Advisors in order to meet the basic requirements and the specific course requirements of 300-400 level courses. After completing their first 30 credits, but before completing their first 60 credits, students will be required to consult with a B.A. Program Advisor and declare a degree option. The B.A. Advisor will assist each student in selecting 300-400 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 B.A. Advisor. The Major Advisor will assist each student in selecting courses that satisfy the Major program requirements. The B.A. Advisor will then ensure that all additional B.A. degree requirements are met. For appointments call:

B.A. Program Advisor	(250) 371-5566
Economics Advisor	(250) 371-5755
Economics & Political Studies Advisors	(250) 371-5755 (250) 371-5523
English Advisor	(250) 371-5580
Geography Advisor	(250) 828-5116
History Advisor	(250) 828-5116
Mathematics Advisor	(250) 828-5054
Psychology Advisor	(250) 371-5521
Sociology Advisor	(250) 828-5116
Theatre Advisor	(250) 828-5216

Basic Requirements (Applicable to all B.A. Degree Options)

To graduate with a TRU B.A., 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 200. A minimum of 48 credits must come from 300-400 level courses. Students may transfer up to 60 approved credits from other post-secondary institutions, but at least 36 credits in 300-400 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 300-400 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 B.A. 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
Anthropology	ANTH 111, 119
Physical Geography	GEOG 112, 122
Geography	GEOG 270
Mathematics	MATH
Computing Science	COMP
Statistics*	STAT or any one of BUEC 232, PSYC 210, SOCI 271
Formal Logic	PHIL 222
Understanding Scientific Reasoning	PHIL 240

*Note: Credit will normally be given for only one of the following introductory statistics courses: BIOL 300, BUEC 232, PSYC 210, SOCI 271, STAT 120.

5. **Breadth Requirement**. A minimum of one 100-200 level course in at least four separate Arts disciplines. Arts disciplines include: Anthropology, Canadian Studies, Chinese, Economics, English, Film, French, Geography, 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 100-200 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 100-200 level course in at least two of the following categories:

Humanities	History, Modern Languages, English Literature, Philosophy
Social Sciences	Anthropology, Economics, Geography, 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 100-200 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. **100-200 Level Writing Intensive Requirement**. A minimum of six credits in 100-200 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.

100-200 Level Writing Intensive Courses (2000-2001)

(Please check with Academic Advisors for any additions)

ANTH	215, 260
CNST	242
ECON	243, 260, 295
ENGL	201, 202, 204, 206, 208, 211, 214, 215, 216, 217, 218, 219, 220, 221, 224, 225, 226, 227, 229, 230, 240, 241
FILM	210, 220
VISA	111, 112, 150, 202, 204, 211, 215, 221
GEOG	222
HIST	All 100 and 200 level courses
JAPA	260, 261
PHIL	101, 201, 221, 224, 229, 239
POLI	225
SOCI	216, 223, 217, 227, 250, 259
THTR	211, 221

9. **300-400 Level Writing Intensive Requirement**. Minimum of six credits in 300-400 level courses selected from a list of designated courses that are writing intensive.

300-400 Level Writing Intensive Courses

(Please check with Academic Advisors for any additions)

ANTH	300, 312, 327, 400, 401, 403, 415, 420, 433, 460
BUEC	333, 433
CNST	311, 312, 325, 326
ECON	310, 350, 355, 360, 365, 367, 370
ENGL	307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 330, 331, 332, 335, 355, 365, 366, 371, 375, 380, 381, 382, 384, 385, 386, 389, 391, 394, 400, 404, 413, 414, 415, 416, 421, 422, 425, 426, 434, 435, 436, 437, 444, 445, 446, 447, 451, 460, 461
FILM	385, 405, 410, 414
FREN	325, 326
GEOG	320, 321, 327, 328, 350, 423, 450
HIST	All 300 and 400 level courses
JOUR	305, 310, 320, 410, 420, 453, 454, 455
PHIL	314, 315, 316, 321, 330, 340, 339, 349, 375, 416, 418, 419, 425, 426, 430, 433, 435, 439, 451
POLI	301, 305, 346, 360, 362, 402
SOCI	360, 361, 368, 380, 382, 413, 464, 470
THTR	311, 312, 321, 322, 326, 327, 360, 400, 425, 426, 430, 460

Continuation Requirements

The TRU B.A. 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 TRU B.A. 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. **G.P.A. Requirement**. Advancement to Year Three of TRU B.A. 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.)

The General B.A. Program

Summary

The table below, "Summary of Requirements—General B.A. 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 B.A. Program

	Single Concentration	Thematic Option	Double Concentration
Total Credits	120	120	120
of which courses 300+	48	48	48
Total within specialty (ies)	30	45	30 + 30
of which courses 300+	18	30	18 + 18
Total outside speciality(ies)	84	75	60
of which courses 300+	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** **(on page 37)**
2. **General B.A. with a Thematic Studies Option** **(on page 37)**
3. **General B.A. with a Double Concentration** **(on page 39)**

General B.A. 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 300-400 level courses. Arts disciplines are grouped into the following categories:

Humanities:	History, Modern Languages, English, Philosophy
Social Sciences:	Anthropology, Economics, Geography, History, Political Studies, Psychology, Sociology
Creative & Performing Arts	Film, Theatre, Visual Arts

Students must take a minimum of 12 credits in 300-400 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 300-400 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 B.A. 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 300-400 level courses. At present, Canadian Studies is the only available Thematic Studies Option. Canadian Studies eligible courses are annotated in the Course Descriptions 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 200 (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 214	Canadian Native Peoples	3
ANTH 219	Ancient North Americans	3
ANTH 223	Indians of British Columbia	3
CNST 242	Canadian Literature on Film	3
ECON 223	Canadian Economic History	3
ECON 243	Global and Canadian Economic Issues	3
ECON 260	The Economy of British Columbia	3
ENGL 204	Studies in Canadian Drama	3
ENGL 217	Survey of Canadian Literature: Beginnings to 1950s	3
ENGL 227	Survey of Canadian Literature: From the 1950s to the Present	3
ENGL 241	Canadian Native Literature	3
FREN 111	Modern French Language and Literature I	3
FREN 121	Modern French Language and Literature II	3
GEOG 222	The Regional Geography of Canada	3
GEOG 223	The Regional Geography of British Columbia and Yukon	3
HIST 112	An Introduction to Canadian History	3
HIST 122	History of Canada, 1867 to the Present	3
HIST 202	Native History of Canada	3
HIST 270	The History of Women in Canadian Society	3
POLI 111	The Government and Politics of Canada	3

First and Second Year Canadian Content Courses		Credits
POLI 223	Canadian Government II: Public Administration and Public Policy	3
POLI 225	Law and Politics	3
SOCI 201	Race and Ethnic Relations	3
SOCI 210	Canadian Social Structure	3
SOCI 213	Women in Comparative Perspective	3
SOCI 250	Crime and Society	3
VISA 215	A Survey of the History of Canadian Painting	3

Third and Fourth Year Canadian Content Courses		Credits
Social Sciences		
ANTH 306	Summer Field Training in Archaeology	6
ANTH 327	First Nations Natural Resource Management	3
ANTH 401	Native Peoples of North America	3 or 6
ANTH 404	Peoples and Cultures of the North American Arctic	3
ANTH 405	Canadian Status/Treaty Indian Reserve Communities	3
ANTH 411	Prehistory of a Special Area in the New World	3 or 6
ANTH 420	Archaeology of British Columbia	3
CNST 311	Canadian Communities in Transition	3
CNST 312	Canadian Aboriginal Drama	3
CNST 325	Quebec Cinema in Translation	3
CNST 326	Quebec Literature in Translation	3
ECON 310	Canadian Financial Markets	3
ECON 336	Economic History of Canada	6
ECON 350	Public Finance: Policy Topics	3
ECON 360	Labour Economics	3
ECON 365	Industrial Organization	3
ECON 371	Economics of the Environment	3
ECON 374	Land Use	3
ECON 384	Economic Analysis of Health Services	3
GEOG 327	Historical Geography of Canada I, Canada Before 1850	3
GEOG 328	Historical Geography of Canada II, Canada After 1850	3
GEOG 350	Introduction to Urban Geography	3
GEOG 363	The Geography of Resource Industries	3
HIST 301	Canada in the Age of Nations	3
HIST 304	The History of the Canadian West	3
HIST 305	British Columbia	3
HIST 306	The History of Quebec	3
HIST 312	Canada in the Cold War	3
HIST 351	The History of Childhood and Education	3
HIST 403	Topics in Canadian Gender History	3
HIST 405	Topics in British Columbia History	3
HIST 425	Topics in Canadian History	3
HIST 470	Population and Family in the Past	3
HIST 499	Topics in Canadian Labour History	3
POLI 301	Canadian Political Parties	3
POLI 303	Federalism in Canada	3
POLI 305	Canadian Political Ideas	3
POLI 361	Canadian Foreign Policy	3
POLI 401	Canadian Provincial and Regional Politics	3
POLI 402	Politics of the Canadian Constitutions	3

Third and Fourth Year Canadian Content Courses		Credits
POLI 405	Topics in Canadian Politics	3
POLI 411	Humanitarian Intervention: A Canadian Perspective	3
SOCI 310	Canadian Society	6
SOCI 360	Sociology and Natural Resources	3
SOCI 361	Social Inequality	6
SOCI 470	Sociology of Crime and Justice	3
SOCI 484	Sociology of Health and Illness	3 or 6
Humanities		
ENGL 415	Studies in Women's Literature	3
ENGL 420	Canadian Literature	6
ENGL 425	Contemporary Canadian Poetry	3
ENGL 426	Studies in Canadian Literature	3
ENGL 447	Studies in Aboriginal Literature (North America)	3
FREN 335	French Canadian Civilization	6
FREN 416	French-Canadian Literature	3 or 6
HIST 301	Canada in the Age of Nations	3
HIST 304	The History of the Canadian West	3
HIST 305	British Columbia	3
HIST 306	The History of Quebec	3
HIST 312	Canada in the Cold War	3
HIST 351	The History of Childhood and Education	3
HIST 403	Topics in Canadian Gender History	3
HIST 405	Topics in British Columbia History	3
HIST 425	Topics in Canadian History	3
HIST 470	Population and Family in the Past	3
HIST 499	Topics in Canadian Labour History	3
Creative and Performing Arts		
THTR 326	History of Canadian Theatre to 1950	3
THTR 327	History of Canadian Theatre After 1950	3
THTR 425	Theatre of British Columbia Before 1950	3
THTR 426	Theatre of British Columbia After 1950	3
VISA 373	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 201	Studies in Journalism: Images of Journalism in Film	3
JOUR 305	Introduction to Media and Journalism in Canada	3
JOUR 315	Media Issues 2: Scientific and Environmental Media Issues	3
JOUR 340	National and International Media	3
JOUR 360	Media Issues I: Politics, Economics, and Geography Media Issues	3
JOUR 411	Issues in Journalism : A Case Studies Approach	3
JOUR 420	Specialized Reporting	3
JOUR 457	Media and Communication Theory	3

General B.A. with a Double Concentration

Students in the General B.A. 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 300-400 level courses in each of the two disciplines. A student must still take a minimum of 12 credits in 300-400 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.

Major Program

Summary

The table below, "Summary of Requirements - Major B.A. 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 300+	48	48	66
Total within specialty(ies)	42	42 + 30	42 + 42
Of which courses 300+	30 to 33	30 to 33 + 18	30 to 33 + 30 to 33
Courses 300+ 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 300-400 level. At least six credits must be taken in 300-400 level courses in disciplines which do not offer Major programs. Currently these disciplines include: Anthropology, Canadian Studies, Film, Modern Languages, Philosophy, Political Studies, and Visual Arts.

Major programs are currently available at TRU in Economics, Economics/Politics, English, Geography, History, Mathematics, Psychology, Sociology, and Theatre. 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

Program 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 (300 and 400 level) of which no less than 6 credits must be at the 400 level.

The program consists of required and elective courses. There is also a number of suggested courses.

Required Economics courses

ECON 190	Introduction to Microeconomics
ECON 195	Introduction to Macroeconomics
ECON 290	Intermediate Microeconomics 1
ECON 295	Intermediate Macroeconomics 1
BUEC 232	Economic and Business Statistics 1
BUEC 333	Economic and Business Statistics 2
ECON 390 Or ECON 395	Intermediate Microeconomics 2 Intermediate Macroeconomics 2

Other Economics and BUEC courses to select from:

ECON 310	Canadian Financial Markets*
ECON 320	Introduction to Mathematical Economics
ECON 350	Public Finance Policy Topics
ECON 355	International Economics
ECON 360	Labour Economics
ECON 361	The Economics of Gender
ECON 365	Government and Business
ECON 367	Economic Analysis of Law
ECON 370	Benefit-cost Analysis and the Economics of Project Evaluation*
ECON 371	Economics of the Environment*
ECON 373	Forestry Economics*
ECON 374	Land Use*
ECON 384	Economic Analysis of Health Services
ECON 410	International Financial Markets
ECON 432	Econometrics
BUEC 433	Forecasting in Business and Economics
ECON 450	Economics of Taxation
ECON 455	International Trade
ECON 456	International Macroeconomics and Finance
ECON 466	Industrial Organization
ECON 472	Development Economics
ECON 480	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 117 Or MATH 114 Or equivalent	Calculus for Business and Economics Calculus 1

Supplementary Arts Requirement:

Choose one of the following courses:

ANTH 121	Introduction to Cultural Anthropology
ANTH 224	Symbolic Analysis
ENGL 229	Business, Technical and Professional Communication
GEOG 120	Introduction to Human Geography: Themes in Geographical Change
GEOG 211	Economic Geography
HIST 122	History of Canada
PHIL 111	Critical Thinking
PHIL 201	Introduction to Ethics
PHIL 221	Contemporary Moral Issues
POLI 111	The Government and Politics of Canada
POLI 121	Contemporary Ideologies
Any second year POLI course	
PSYC 111	Introduction to Psychology
SOCI 111	Introduction to Sociology
SPEE 150	Speech Communication
SPEE 160	Speech Communication
SPEE 250	Business Presentations

Suggested courses

The following courses are recommended as Arts elective courses to supplement the Economics Major.

ANTH 215	Studies in Ethnography
ANTH 219	Ancient North Americans
ANTH 260	Minorities in the Modern World
GEOG 210	Human Interaction with the Natural Environment
GEOG 310	Environment and Resources
GEOG 361	Introduction to Economic Geography
HIST 227	Major Issues in American History
PHIL 330	Moral and Political Philosophy II
PHIL 222	Elementary Formal Logic
POLI 344	Social and Political Thought
POLI 303	Federalism in Canada
PSYC 222	Introduction to Social Psychology
SOCI 360	Sociology and Natural Resources
SOCI 361	Social Inequality

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 190, ECON 195 and one of the following courses: MATH 117 or MATH 114, or equivalent.

Major Program in Economic and Political Studies

Admission Requirements

Students are normally expected to enter the Major program in the third year of their studies, although students at the second year will also be considered. Regardless of the chosen time of entrance into the major, all students must meet with the Major Advisor to check their qualifications and design the best-suited path for completing the BA degree requirements. Given the complexity of the various requirements, it is highly advisable that students consult the advisor as soon as they decide to enter into the program.

The minimum admission requirements into the Economic and Political Studies Major are admission to the B.A. program, and completion of ECON 190, ECON 195, POLI 111, POLI 121, BUEC 232 or equivalent, and one of the following courses: MATH 117 or MATH 114 or equivalent.

Program 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 (300 and 400 level) of which no less than 6 credits must be at the 400 level. The program consists of core and elective courses.

The major in Economic and Political Studies requires the completion of:

Lower level

MATH 117	
or	
MATH 114	
BUEC 232	Economic and Business Statistics 1
ECON 190	Principles of Microeconomics
ECON 195	Principles of Macroeconomics
ECON 290	Intermediate Microeconomics 1
ECON 295	Intermediate Macroeconomics 1
POLI 111	The Government and Politics in Canada
POLI 121	Contemporary Ideologies

Plus

Select any two (2) additional second year POLI courses

Upper level

Select four courses from the following list:

ECON 310	Canadian Financial Markets*
ECON 350	Public Finance
ECON 355	International Economics
ECON 360	Labour Economics
ECON 361	The Economics of Gender
ECON 365	Government and Business
ECON 367	Economic Analysis of Law
ECON 370	Benefit-cost Analysis and the Economics of project Analysis*
ECON 371	Economics of the Environment*
ECON 373	Forestry Economics*
ECON 384	Economic Analysis of Health Services
ECON 450	Economics of Taxation
ECON 455	International Trade
ECON 456	International Macroeconomics and Finance
ECON 472	Development Economics
ECON 480	Transportation

Plus

select four courses from the following list:

POLI 301	Canadian Political Parties
POLI 303	Federalism in Canada
POLI 305	Canadian Political Ideas
POLI 320	American Government and Politics
POLI 342	Modern Political Thought
POLI 344	Social and Political Thought
POLI 346	Democratic Theory
POLI 365	Government and Business
POLI 401	Canadian Provincial and Regional Politics
POLI 402	Politics of the Canadian Constitution
POLI 405	Topics in Canadian Politics
POLI 406	Topics in Latin American Politics

Plus

select any two (2) additional ECON or BUEC third or fourth year courses.

Recommended:

Any one history course and an additional six (6) language credits

Major Program in English

The Department of English and Modern Languages offers three options within the English major: a Traditional Survey Option (on page 41), a Contemporary Literature Option (on page 41), and a Rhetoric and Professional Writing Option (on page 42). The Traditional Survey Option follows the traditional route leading to comprehensive, historical coverage generally demanded of students going on to further study in English literature. The Contemporary Literature Option emphasizes the breadth of recent English literature, offering students a contemporary complement to thought in business, in the sciences and in the social sciences. The Rhetoric and Professional Writing Option is designed to enhance students' ability to read, interpret, and produce texts of all kinds within their cultural contexts.

Traditional Survey Option: Program Requirements

Required for Graduation:

At least six credits in Canadian Literature after the first year.

First Year:

Required: Six Credits: Two of English 110, 111, 112, 114, 121.

Please note: students with credit for English 121 may not receive credit for English 112 and 114.

Recommended: Second Language:

- Entry-level second language, if not already present;
- If entry-level exists, continuation to university first-year level.

Required in Second Year:

Six credits: English 211, 221

Recommended in Second Year:

- Second Language: Continuation of second language based on level of first-year studies.
- English 214/224

Required in Third and Fourth Years:

Thirty 300/400-level English credits required, as follows:

a. At least three credits in each of three centuries prior to 1900.

b. At least three credits in each of three areas after 1900.

Recommended:

a. Second language to second-year university level;

b. Program Focus as follows:

At least nine credits in an area of specialization as defined in course outlines; one full course and two supplementary courses chosen in conjunction with faculty advisors.

- National Literatures/ Postcolonial Literature
- Gender Studies
- Critical Theory
- Rhetoric and Composition
- Literature and the other Arts
- Literary Genre
- Literary Period
- Literary Themes/Special Topics

Notes:

i. The area of specialization may include courses needed for requirements a. and b.

ii. In years 3 and 4, students may take up to 42 credits in senior English courses.

iii. For credit toward the English Major, students may take for credit any **one** of the following courses: PHIL 375, PHIL 425, THTR 311, THTR 312, THTR 321, THTR 322, THTR 326, THTR 327, and VISA 373.

Sample Program: Historical Survey Option

First Year:

English 110, 111, 112, 114, or 121

French 111, 121

Second Year:

English 211, 221

English 214, 224 or other 200-level courses

French 211, 221

Third Year:

English 330 (3) Practical Criticism

English 3XX (6) [16th Century]

English 4XX (3) [Twentieth Century - Gender Studies]

English 3XX (6) [Composition - especially for students continuing to Education]

French 212, 222

Fourth Year:

English 332 (3) [Critical Theory]

English 3XX (6) [Eighteenth Century]

English 3XX (3) [Nineteenth Century]

English 4XX (3) [Canadian Literature - Gender Studies]

English 4XX (3) [Canadian Literature - Gender Studies]

English 327/328 (6) [History of Language or Linguistics - especially for students continuing to Education]

French 352

Contemporary Literature Option: Program Requirements

Required for Graduation:

At least six credits in Canadian Literature after the first year

First Year:

Required: Six Credits: Two of English 110, 111, 112, 114, or 121.

Please note: students with credit for English 121 may not receive credit for English 112 and 114.

Recommended: Second Language:

- Entry-level second language, if not already present;
- If entry-level exists, continuation to university first-year level.

Recommended Electives:

- Anthropology 121 (Cultural Anthropology)
- Music 100 (Theory of Music)
- Political Studies 121 (Contemporary Ideologies)
- Visual Arts 150 (Introduction to Visual Culture)
- Visual Arts 111/112 (History of Art)

Required in Second Year:

Second year survey in British, Canadian, or American literature

Recommended in Second Year:

Six credits in other 200-level English courses

Second Language: Continuation of second language based on level of first-year studies.

Recommended Electives:

- English 208/210 (Creative Writing)
- Anthropology 215 (Ethnography)
- Anthropology 219 (Ancient North Americans)
- Philosophy 224 (Cyberphilosophy)
- Political Studies 222 (Political Philosophy)

Required in Third and Fourth Years:

Thirty Credits 300/400-level English credits required, as follows:

a. At least six credits in each of three national literatures (or Postcolonial Literature)

b. At least three credits in each of two centuries prior to 1900

Recommended:

a. Second language to second-year university level;

b. Program Focus as follows:

At least nine credits in an area of specialization as defined in course outlines; one full course and two supplementary courses chosen in conjunction with faculty advisors.

- National Literatures/ Postcolonial Literature
- Gender Studies
- Critical Theory
- Rhetoric and Composition
- Literature and the other Arts
- Literary Genre
- Literary Period
- Literary Themes/Special Topics

Notes:

i. The area of specialization may include courses needed for requirements a. and b.

ii. Students may take up to 42 credits in senior English courses.

iii. For credit toward the English Major, students may take for credit any one of the following courses: PHIL 375, PHIL 425, THTR 311, THTR 312, THTR 321, THTR 322, THTR 326, THTR 327, VISA 373.

Recommended Electives:

- Philosophy 339 (Philosophy of Art)
- Philosophy 375 (Philosophy and Literature)
- Philosophy 425/426 (Philosophy of Language)

Sample Program

First Year:

English 110, 111, or 112, 114, or 121

French 111, 121

Second Year:

English 211, 221

English 214, 224 or other 200-level courses

French 211, 221

Third Year:

English 330 (3) Practical Criticism

English 3XX (6) [16th Century]

English 3XX (3) [British Novel - Eighteenth Century]

English 3XX (6) [Composition - especially for students continuing to Education]

French 212, 222

Fourth Year:

English 332 (3) [Critical Theory]

English 3XX (3) [American Novel - Nineteenth Century]

English 3XX (3) [British Novel - Twentieth Century]

English 4XX (6) [Canadian Literature - with focus on Novel]

English 4XX (3) [Postcolonial Literature - with focus on Novel]

English 327/328 (6) [History of Language or Linguistics - especially for students continuing to Education]

French 352

Rhetoric and Professional Writing Program Requirements

First Year:

1. 2 of English 110, 111, 112, 114, or 121 or a B or better in 6 credits of Business Communications English

   Please note: students with credit for English 121 may not receive credit for English 112 and 114.

2. Second Language

Recommended electives:

- Anthropology 121 (Cultural Anthropology)
- Music 100 (Theory of Music)
- Political Studies 121 (Contemporary Ideologies)
- Visual Arts 150 (Introduction to Visual Culture)
- Visual Arts 111/112 (History of Art)

Second Year:

1. Second-year survey in British, Canadian, or American Literature

2. English 229 or 230 or 301 or 302

Recommended electives:

- 2nd year language
- English 209/210 (Creative Writing)
- English 214/224 (Biblical & Classical backgrounds)
- Anthropology 215 (Ethnography)
- Anthropology 219 (Ancient North Americans)
- Philosophy 224 (Cyberphilosophy)
- Political Studies 222 (Political Philosophy)

Third and Fourth Years:

Thirty 300/400-level credits required as specified. As in the other two options, RPW students may take up to 42 credits in senior English courses. Courses taught by the departments of Anthropology, Journalism, Philosophy, and the Visual and Performing Arts, and are listed in Group I, II, or III, may be taken for either program credit or elective credit.

1. At least nine credits in one principal area of concentration (group I, II, or III)

2. At least six credits in a second area of concentration

3. At least three credits in literature before 1900

4. At least three credits in literature after 1900

5. Completion of capstone course in Career Preparation (to be taken in the final two years of study) Pass/Fail credit.*

Recommended electives:

- Anthropology 400 (History of Anthropology)
- Journalism 360 (Social Issues)
- Philosophy 339 (Philosophy of Art)
- Visual Arts 351 (Etching and Book Production)

*With permission of a Majors advisor, students considering further studies in English can elect to complete their capstone requirement by revising a paper completed during their course of studies. The paper will be revised under the direction of a selected faculty member, be read by three other faculty members, and be presented orally as part of the Annual Rhetoric & Professional Writing Undergraduate Conference.

RPW Courses:

Theory (Group I)

Rhetorical Theory and History:

History of Rhetoric (ENGL 306)

Studies in Rhetoric (ENGL 307)

Rhetorical Theory (ENGL 310)

Composition Theory (ENGL 311)

Critical Theory:

Practical Criticism (ENGL 330)

Critical Theory (ENGL 332)

Language Theory:

History of the English Language (ENGL 320)

Structure of Modern English (ENGL 327, 328)

Philosophy of Language (PHIL 425)

Cultural Theory:

Theory in Archaeology (ANTH 305)

Writing (Group II)

Composition:

Personal Writing (ENGL 308)

Writing in the Disciplines (ENGL 309)

Creative Writing (ENGL 333)

Scholarly Editing (ENGL 476)

Courses Cross-listed with Journalism:

Introduction to Media and Journalism (JOUR 305)

Skills and Techniques of Journalism (JOUR 320)

Interarts & Cultural Studies (Group III)

Non-Fiction:

Prison Literature (ENGL 319)

Biography (ENGL 315)

Literature and the Other Arts:

Studies in Literature and the Other Arts (ENGL 316)

Shakespeare and Film (ENGL 366)

Photography and Literature (VISA 373)

Philosophy and Literature (PHIL 375)

History of Theatre (THTR 311, 312, 321, 322)

Canadian Theatre History (THTR 326/327)

Studies in Women's Literature: Gender and Genre (ENGL 415)

Studies in Canadian Literature (ENGL 426)

Commonwealth/Postcolonial Literature (ENGL 444 to 447)

Sample Program Rhetoric and Professional Writing Option

First Year:

English 110, 111, 112, 114 or 121

French 111, 121

Recommended Electives

Second Year:

English 211, 221

English 229 and other 200-level courses

French 211, 221

Recommended Electives

Third Year:

English 306 (6) Rhetorical Theory

English 330 (3) Practical Criticism

English 3XX (3) [16th Century]

English 3XX (3) [20th Century]

English 3XX (3) [Composition]

English 3XX (3) [Non-Fiction]

English 3XX (3) [Literature and the Other Arts]

Electives (6) [From Electives List or from Courses listed in Groups I, II, or III]

Fourth Year:

English 3XX (3) [Rhetoric/Composition]

English 332 (3) Critical Theory

Theatre 430 (3) Studies in Performance Theory

English 366 (3) Shakespeare and Film

Theatre 310 (3) History of Theatre

English 4XX (3) [Contemporary Literature]

Journalism 3XX (3) [Skills and Techniques]

English 3XX (3) [Non-Fiction]

Career Prep (Pass/fail)

Electives (6) [From Electives List or from Courses listed in Groups I, II, or III]

Major Program in Geography

The Geography Major Program at TRU emphasizes work in human geography and specifically in areas of cultural/historical, environmental and urban geography. Course work in these areas will appeal to students interested in graduate work in human geography or careers in urban and rural planning, law, resource development and regulation, archives and museums, education, parks and government. Visit the Geography homepage (http://www.tru.ca/arts/departments/geography).

Program 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 to plan their course selection and to ensure that all B.A. degree requirements will be met.

First and Second Years		
21 credits as follows:		
Human Geography	GEOG 119 and 120	6 credits
Physical Geography	GEOG 112 and 122	6 credits
Techniques	GEOG 270	3 credits
Electives (any two of):	GEOG 210, 211, 212, 222, 223 and 275	6 credits
Third and Fourth Years		
30 credits of Geography courses numbered 300 or 400 (of which at least 3 credits shall be at the 400 level), as follows:		
At least 3 credits from each thematic area:	Cultural/Historical Urban/Economic Environmental	GEOG 320, 327, 328 GEOG 321, 350, 357, 361 GEOG 310, 319, 363
Three credits from 400 level seminar courses		
Geography Elective: 18 additional Geography credits numbers 300 or 400		
Recommended Arts and Science Electives		
The following courses are recommended as elective course to supplement the Geography Major requirements (note that the recommended Anthropology and Economics elective will meet the non-Major TRU B.A. requirements):		
Cultural/Historical		
ANTH 303	Ethnography of special Areas: Central and Eastern Europe	3/6 credits
ANTH 403	Ethnography of Special Areas-Field Course in East/Central Europe	6 credits
ANTH 420	Archaeology of British Columbia	3/6 credits
HIST 305	British Columbia	3 credits
HIST 405	Topics in British Columbia	3 credits
Economic and Urban		
ECON 374	Land Use	3 credits
Environmental		
BIOL 416	Principles of Conservation Biology	3 credits
ECON 371	Economics of the Environment	3 credits
NRSC 315	Current Topics in Natural Resource Management	3 credits
PHIL 435	Environmental Ethics	3 credits

Major Program In History

The History Major should appeal to students whose ambitions include graduate work in the discipline, a career in law, journalism, education, or government. Visit the History homepage (http://www.tru.ca/arts/departments/php).

It is important that students considering a History Major carefully read the following instructions.

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 B.A., as indicated above. As well, they must have successfully completed no fewer than 6 credits in History courses numbered 100-199 and no fewer than 6 credits in History courses numbered 200-299, either at TRU or at other accredited institutions.

Of the courses taken outside of History in preparation for the Major, it is recommended that foundation courses in the Social Sciences be included, as well as the appropriate historical surveys of:

a. literature in the various departments of language;

b. thought, as offered in various Philosophy and Politics courses; and

c. the arts in areas like Visual and Performing Arts.

Third and Fourth Years

1. Students must take 33 credits in History courses numbered between 300 and 499, including History 300 and cross-listed courses from other disciplines.
2. Entrance to any 400-level course requires no fewer than three credits in 300-level History courses.
3. All History Major students must take History 300: The Historian's Craft in their third year. This course will be offered every Fall and Winter term and will be taught on a rota basis (i.e.: by a different faculty member every term.)
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 400-level.
7. Of the forty-five lower- and upper- level credits in History required of History Major students, no fewer than six must be from Canadian History.
8. Students are strongly encouraged to include in their programs material from both before and after ca.1800.
9. It is acceptable to include, in place of upper division History courses, the following courses from other discipline areas.

   One of: Geography 327 and 328, 427; Philosophy 419; Film 414.

Major Program In Mathematics

First Year	Credits
MATH 113/123 or 114/124	6
MATH 170*	3
ENGL 110 and 111 or 111 and 121	6
Language, if necessary	6
COMP 113	3
Electives [3]	6
* MATH 138/139 or COMP 138/139 may be substituted for MATH 170	
Second Year	**Credits**
MATH 270	3
MATH 211	3
MATH 212	3
MATH 220*	0 – 3
ENGL (200 level)	3
STAT 200	3
Electives [3]	12 – 15
* Math 220 can be delayed to the third year.	
Third and Fourth Year	**Credits**
MATH (300 or 400 level)[4]	21
MATH, STAT or COMP (300 or 400 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 308 and 312.
2. Students interested in Economics should consult an advisor in the Economics Department for appropriate combination of Math and Economics courses.
3. Students interested in pursuing Computing Science 300 or 400 level courses must complete COMP 113, 123, 213, and 223.
4. At least one of Math 307 or Math 322, and at least one of Math 300 or Math 320, 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 300, 307, 320, and 322 plus Math 495.

Major Program in Philosophy

The Philosophy Major will appeal to students interested in pursuing graduate studies in philosophy, a career in law, business, journalism, government or education.

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 B.A. listed above, as well as the following:

Lower-level Philosophy Requirements (21 Credits, 7 courses

1. One of: PHIL 101, PHIL 102, PHIL 110 (Introduction to Philosophy)
2. One of: PHIL 201 or PHIL 221 (Ethics)
3. One of: PHIL 214 or PHIL 215 (Epistemology and metaphysics)
4. PHIL 222 (Elementary Formal Logic)
5. PHIL 210 (Ancient Philosophy)
6. Two lower-level philosophy electives (6 credits)

Non-Philosophy Electives (up to 30 Credits)
39 credits remain after the 21 credits in Philosophy have been taken into account. See the General Requirements for the B.A., above.

Upper-level Philosophy Requirements (60 Credits, 20 Courses)

1. PHIL 301 (Moral Theory)
2. One of: PHIL 314 (The Rationalists) or PHIL 315 (The Empiricists)
3. One of: PHIL 310 (Ancient Philosophy) or PHIL 410 (Topics in Ancient Philosophy)
4. One of: PHIL 316 (Modern European Philosophy) or PHIL 317 (Topics in Continental Philosophy)
5. One of: PHIL 350 (Metaphysics) or PHIL 360 (Epistemology)
6. 5 upper-level philosophy electives (15 credits) from the remaining 300 and 400 level Philosophy courses.

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 307, ENGL 310, ENGL 319, ENGL 322, HIST 352, POLI 342, POLI 344, POLI 346, SOCI 320

Major Program in Political and Economic Studies

For a description of this program look under "Major Program in Economic and Political Studies (on page 40)".

Major Program in Psychology

Psychology is the scientific study of thought, feeling, and behaviour. 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 human behaviour and applying this knowledge. Visit the Psychology website http://www.tru.ca/arts/departments/psychology.

Read the following guidelines carefully. If you intend to major in psychology you must see both a B.A. Program Advisor and a Psychology Major Advisor. Your decision to major must be made before completing your first 60 credits but not before completion of your first 30 credits. During this time you will be required to consult with a B.A. Program Advisor and declare your intention to major in psychology. The B.A. Advisor will assist you in selecting 300-400 level courses to meet graduation requirements and any specific requirements for the various degree options. Further, students wishing to complete the Psychology Major Program must also consult with a Psychology Major Advisor prior to seeing the B.A. Advisor. The Major Advisor will assist each student in selecting courses that will satisfy the Major program requirements. The B.A. Advisor will then ensure that all additional B.A. degree requirements are met.

Students interested in pursuing graduate studies in Psychology should consider the Honours Program (on page 46).

First and Second Years

In your first and second years at TRU, you must meet the admission requirements for the B.A. degree, as outlined above. In addition, you must take the following Psychology courses:

Year One		
PSYC 111	Introduction to Psychology I	3 credits
PSYC 121	Introduction to Psychology II	3 credits
Year Two		
PSYC 210	Analysis of Psychological Data	3 credits
PSYC 211	Introduction to Research Methods in Psychology	3 credits

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 Three & Four

In third year, the following course is required of all students in the Major program.

PSYC 319	Experimental Design and Quantitative Methods	6 credits

In addition, you must take 24 (and no more than 36) credits in Psychology, distributed as follows.

At least six (6) credits from:

PSYC 300	Behaviour Disorders	6 credits
PSYC 302	Infancy	3 credits
PSYC 303	Tests & Measurements I	3 credits
PSYC 308	Social Psychology	6 credits
PSYC 310	Clinical Psychology	6 credits
PSYC 314	Health Psychology	3 credits
PSYC 315	Childhood & Adolescence	3 credits
PSYC 320	Theories of Personality 1	3 credits
PSYC 321	Theories of Personality 2	3 credits
PSYC 322	Adulthood and Aging	3credits
PSYC 336	Psychology of Language I	3 credits
PSYC 337	Psychology of Language II	3 credits
PSYC 340	Introduction to Psychology and Law	3 credits
PSYC 341	Forensic Psychology	3 credits

At least six credits from:

PSYC 306	Principles of Animal Behaviour	6 credits
PSYC 323	Principles of Conditioning	3 credits
PSYC 324	History and Systems of Psychology	3 credits
PSYC 351	Sensation and Perception 1	3 credits
PSYC 352	Sensation and Perception 2	3 credits
PSYC 354	Cognition 1	3 credits
PSYC 355	Cognition 2	3 credits
PSYC 357	Physiology of Motivation and Emotion	3 credits
PSYC 358	Physiology of Learning and Memory	3 credits

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 sufficiently large selection of courses are 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 111, 121, 210 and 211 to enter an Honour's 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 319 to remain in an Honours Program. (A 'B' grade in Psychology 319 is a prerequisite for enrolment in the Honour's 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 (300 and 400 level courses), including successful completion of an Honours Thesis (PSYC 499). A minimum of 36 credits in upper level Psychology must be completed (including the Honours Thesis).

Major Program in Sociology

Sociology graduates can expect to have access to a wide range of careers in government services, management, social agencies, research, teaching, and a range of professional and semi-professional occupations. Visit the Sociology website http://www.tru.ca/arts/departments/sociology.

First year

SOCI 111	Introduction to Sociology 1	3 credits
SOCI 121	Introduction to Sociology 2	3 credits

Second year

SOCI 271	Introduction to Social Statistics **or** MATH 120 **or** PSYC 210	3 credits
SOCI 272	Introductory Research Methods	3 credits

One of:

SOCI 201	Race and Ethnic Relations	3 credits
SOCI 210	Canadian Social Issues	3 credits
SOCI 213	Women in Comparative Perspective	3/6 credits
SOCI 216	The Family in Cross-Cultural Perspective	3 credits
SOCI 217	Sociology of Popular Culture	3 credits
SOCI 223	Collective Behaviour	3 credits
SOCI 226	Medical Sociology	3 credits
SOCI 250	Crime and Society	3 credits
SOCI 259	Deviance and Control	3 credits
SOCI 262	Sociology of the Environment	3 credits

Third and Fourth Years

SOCI 320	Classical Social Theory *plus*	3 credits
SOCI 321	Feminist Social Theory *or*	3 credits
SOCI 322	Contemporary Issues in Social Theory	3 credits
SOCI 380	Introduction to Social Survey Design and Analysis *or*	3 credits
SOCI 382	Socio-Ethnographic Research Methods in Sociology	3 credits

Seven 300-400 level Sociology courses from:

SOCI 310	Canadian Society	6 credits
SOCI 312	Gender Relations	6 credits
SOCI 316	Sexuality	3 credits
SOCI 352	Organization of Work	3 credits
SOCI 360	Sociology of Natural Resources	3 credits
SOCI 361	Social Inequality	3 credits
SOCI 368	Deviance and Social Control	6 credits
SOCI 413	Family and Kinship	3/6 credits
SOCI 420	Complex Organizations	3 credits
SOCI 460	Globalization	3 credits
SOCI 462	Social Change	3/6 credits
SOCI 464	Social Movements	3/6 credits
SOCI 466	Socialization and Education	3/6 credits
SOCI 470	Sociology of Crime and Justice	3 credits
SOCI 473	Global Social Change	3 credits
SOCI 475	Contemporary Social Movements	3 credits
SDCI 481	Directed Studies in Sociology	3/6 credits
SOCI 484	Sociology of Health and Illness	3/6 credits

Admission to the major requires completion of SOCI 111 and 121, two 200-level Sociology courses, of which three of the four Sociology courses must receive Grade C+ or above.

Major Program in Theatre Arts

The Theatre Arts Major Program provides students with the opportunity to explore the complete range of the theatrical process, including acting, directing, technical skills, history and theory. The program is designed for students intending on continuing their theatrical careers as drama teachers, for those considering graduate studies in Theatre and for those students who desire further professional theatrical training. Visit the Theatre Arts homepage (http://www.tru.ca/arts/departments/vpa).

Program Requirements

Students must complete all of the requirements for the Bachelor of Arts degree and are normally expected to enter the Theatre Arts Major Program in their third year of studies. Before entering the program, students are required to meet with the Theatre Arts Coordinator and Program Advisor.

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 6 credits must be at the 4th year level.

First and Second Year Course Requirements		
THTR 110	Introduction to Theatre	3 credits
THTR 120	Introduction to Theatre 2	3 credits
THTR 111	Introduction to Acting	3 credits
THTR 121	Introduction to Acting 2	3 credits
THTR 211	Acting and Character Portrayal	3 credits
THTR 221	Acting and Character Portrayal 2	3 credits
THTR 212	Introduction to Technical Theatre	3 credits
THTR 222	Introduction to Technical Theatre 2	3 credits

Minor Program (Only available in conjunction with a Major)

Major programs may be combined with a Minor in the following academic discipline: Aboriginal Studies, Economics, English, Visual Arts, Geoarchaeology, Geography, History, Math, Philosophy, Political Studies, Psychology, Sociology, Theatre Arts. 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 300-400 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 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 (ANTH 111 or ANTH 119 or ANTH 219); 9 credits in third and fourth year Archaeology (ANTH 305, ANTH 306, ANTH 326, ANTH 406, ANTH 411, ANTH 420, ANTH 433); and GEOL 111 or GEOL 112; and GEOL 205 or BIOL 121; and GEOL 229; and 9 credits in third or fourth year Geology (GEOL 301, GEOL 319, GEOL 425, GEOL 448).

Minor in Economics: 30-45 credits in Economics (ECON and BUEC), including ECON 190, ECON 195, and a minimum of 18 credits in 300 and 400 level Economics (ECON and BUEC).

Minor in English: 6 credits in first year English; 6 credits from English 204, 211, 214, 215, 216, 217, 218, 219, 220, 221, 224, 225, 226, 227, 240, 241; 18 credits from 300 and 400 level courses selected as follows: 6 credits from 355, 365, 366, 370s; 6 credits from 380s, 390s; and 6 credits from 307, 308, 309, 310, 311, 312, 314, 315, 316, 317, 318, 319, 320, 329, 330, 332, 335, 400, 404, 413, 414, 415, 421, 422, 425, 426, 434, 435, 436, 437, 445, 446, 447, 451, 460, 461, 476.

Minor in Geography: 12 credits from 100 or 200 level Geography of which at least 6 credits must be selected from Geography 112, 119, 120, 122 and an additional 18 credits of 300 and 400 level Geography.

Minor in History: 12 credits of 100 and 200 level History, and an additional 18 credits in 300 and 400 level History courses.

Minor in Management: One of Math 107, 110, 114, 138, or 117. Plus one of MATH 120, STAT 200, PSYC 210, SOCI 271, BUEC 232, or BIOL 300. Plus BBUS 272, BBUS 221, BBUS 312, BBUS 343, BBUS 381. Plus 9 additional credits in 300 and 400 level BBUS courses.

Minor in Mathematics: 12 credits at the 100 and 200 level Mathematics, and an additional 18 credits at the 300 and 400 level Mathematics.

Minor in Philosophy: 12 credits of 100 and 200 level Philosophy, and an additional 18 credits in 300 and 400 level Philosophy.

Minor in Political Studies: Political Studies 111, 121, plus 6 credits at the 100 and 200 level, and an additional 18 credits in 300 and 400 level Political Studies courses.

Minor in Psychology: Psychology 111, 121, 210, 211, and an additional 18 credits in 300 and 400 level Psychology courses.

Minor in Sociology: Sociology 111, 121, plus 6 credits at the 100 and 200 level, and an additional 18 credits in 300 and 400 level Sociology.

Minor in Theatre Arts: A minimum of 36 credits including THTR 110/120, THTR 111/121, THTR 211/221 and 18 credits in 300 and 400 level Theatre courses.

Minor in Visual Arts: A minimum of 36, and a maximum of 42 credits in Visual Arts, including VISA 101, 102, 103 and VISA 111/112 and VISA 121. A minimum of 18 credits at the 300 and 400 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 B.A. 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 300 or above. In addition, six credits must be taken in 300-400 level courses in disciplines which do not offer a Major Program (Anthropology, Visual Arts, French, Philosophy, Political Studies, and Theatre).

Bachelor of Business Administration Degree Program

Program Governance

Dean of the School of Business and Economics

YOUNG, MURRAY, B.A., M.B.A. (Indiana), Ph.D. (Ohio)

Chairpersons

RAHMAN, HAFIZ, B.A. (Hons.), M.A. (Jahangirnagar), M.A., Ph.D. (Man.), Associate Professor, Chairperson, Economics
WARREN, BERNIE, B.Sc.F. (Toronto), M.A.Sc. (Waterloo), Management Science & MIS, Chairperson, Management

Program Advisor

T.B.A.

General

TRU offers a Bachelor of Business Administration (BBA) degree with majors in Accounting, Economics, Finance, Human Resource Management, Information Technology, International Business, and Marketing. Final approval for a new major in New Venture Development is pending.

Admission to the BBA occurs at the 1st year level. Students are expected to complete the Lower Division Requirements during Years 1 and 2. The General Education Requirements and Non-Business Electives reflect the value TRU places on a broad education in the Humanities, the Social Sciences, and the Sciences. The Business Requirements prepare the student for the more advanced Upper Division courses in Years 3 and 4.

Students entering the 3rd year of the BBA program must have their registration forms reviewed and approved by the Program Advisor prior to registration.

The TRU Calendar in effect at the time the student is accepted into the degree program establish the requirements for graduation. All students should confirm the details of their requirements with the Program Advisor.

Admission Requirements

- B.C. Grade 12 or Mature Student Status
- B.C. English 12 with a minimum 73% in the last 5 years; or LPI Test with Level 4 or better within the last 2 years; or completion of English 060; or completion of ESAL 057 and ESAL 058 with grades of C+ or better; or minimum TOEFL score of 570 paper (230 computer); or minimum IELTS of 6.5; or minimum CAEL of 70
- B.C. Math 12 or Math 061 with a C+ or better

Students may commence their studies while they upgrade their English and Mathematics. Admission to both the BTACS and BBA degrees occurs at the 1st year level.

Lower Division Requirements

Students must have completed the following Lower Division Requirements, or their approved equivalents, with at least a C- grade in each course.

1. General Education

Humanities Requirements (Group A)		
Requires a minimum of 12 credits:		
1.	ENGL 110	Composition; **or**
	ENGL 111	Introduction to Prose Fiction; **or**
	ENGL 121	Introduction to Drama & Poetry
2.	PHIL 111	Introduction to Critical Thinking; **or**
	PHIL 201	Introduction to Ethics; **or**
	PHIL 221	Contemporary Moral Issues; **or**
	ENGL 229	Professional Business and Technical Writing; **or**
	SPEE 250	Business Presentations
3.	Humanities Elective #1	
4.	Humanities Elective #2	
Humanities electives may be from English, Fine Arts, French, German, Japanese, Spanish, Speech, Theatre, History, Music and Philosophy.		

Social Sciences Requirements (Group B)		
Requires a minimum of 12 credits:		
1.	ECON 190	Principles of Microeconomics
2.	ECON 195	Principles of Macroeconomics
3.	Social Sciences Elective #1	
4.	Social Sciences Elective #2	
Social Science electives may be from Anthropology, Canadian Studies, Economics, Education, Geography (excluding GEOG 112, 122, 204 or 275), Political Studies, Psychology (excluding PSYC 210) and Sociology.		

Science and Mathematics Requirements (Group C)		
Requires a minimum of 6 credits:		
1.	MATH 107	Fundamentals of Mathematics for Business and Economics
2.	MATH 117	Calculus for Business and Economics
Science and Math electives may be from Biology, Chemistry, Computing Science, Physical Geography (112, 122, 204 or 275), Geology, Math, Physics, Statistics and Psychology 210.		

2. Business Requirements

Requires 24 credits:		
1.	BBUS 137	Management Information Systems 1
2.	BBUS 221	Financial Accounting
3.	BBUS 238	Management Information Systems 2
4.	BBUS 254	Management Accounting
5.	BBUS 272	Organizational Behaviour
6.	BUEC 204	Managerial Economics
7.	BUEC 232	Economic and Business Statistics 1
8.	BUEC 233	Economic and Business Statistics 2

3. Non-Business Electives

Requires 6 credits:	
1.	Non-Business Elective #1
2.	Non-Business Elective #2
These can be from Groups A, B, or C above or from other academic subject areas. Students who do not have C+ or greater in Principles of Math 12 are advised to take MATH 100 as one of these non-business electives prior to enrolling in MATH 117.	

Notes:

- No BBA credit will be given for ECON 122 if it is taken after completion of either ECON 190 or ECON 195 (or equivalent) with a grade of C- or better.
- No BBA credit will be given for MATH 110 if it is taken after completion of MATH 107 with a grade of C- or better.
- No BBA credit will be given for MATH 100 if taken after completion of MATH 117 with a C- or better.

- Students must have written permission from the Program Advisor to enrol in Upper Division Business courses (numbered 300 and 400) during their first 60 semester credits. Any 300 or 400 level course permitted before 60 hours will count as fulfilling appropriate Core, Major or elective requirements, but will not be counted as Upper Division credits.
- Students intending on transferring to another university should see an Academic Advisor prior to selecting any courses.

Upper Division Requirements (Majors/Minors)

Core Courses

All BBA students must complete the Core requirements listed below:

TRU Course	Title
BBUS 303	Business in Society
BBUS 312	Introduction to Financial Management
BBUS 331	Operations Management
BBUS 343	Introduction to Marketing
BBUS 351	International Business
BBUS 381	Introduction to Human Resource Management
BBUS 393	Commercial Law
BBUS 478	Strategic Management Issues

Only courses with grades of C- or better may be used as prerequisites or for Core or Major/Minor credit.

Majors and Concentrations

All students must complete the General BBA or one or more of the following majors or concentrations:

1. Accounting Major

TRU Course	Title
BBUS 320	Intermediate Financial Accounting 1
BBUS 321	Intermediate Financial Accounting 2
BBUS 322	Income Taxation 1
BBUS 323	Income Taxation 2
BBUS 325	Intermediate Management Accounting
BBUS 420	Advanced Financial Accounting
BBUS 421	Accounting Theory
BBUS 423	Assurance
BBUS 425	Advanced Management Accounting
BBUS 428	Management Issues in Information Systems
BBUS 315 BBUS 413	Investments **or** Advanced Financial Management

2. Economics Major

42 ECON/BUEC credits of which 24 must be at the 300 and 400 level with a minimum of 6 at the 400 level. BUEC 204 must be completed with a C+ or better or ECON 290 may be substituted. ECON 295 is required and ECON 390 or ECON 395 must be taken.

TRU Course	Title
ECON 310	Canadian Financial Markets*
ECON 320	Introduction to Mathematical Economics
ECON 350	Public Finance: Policy Topics
ECON 355	International Economics
ECON 360	Labour Economics
ECON 365	Government and Business
ECON 367	Economic Analysis of Law
ECON 370	Benefit-Cost Analysis and the Economics of Project Evaluation*
ECON 371	Economics of the Environment*
ECON 373	Forestry Economics*
ECON 374	Land Use*
ECON 384	Economic Analysis of Health Services
ECON 390	Intermediate Microeconomics 2
ECON 395	Intermediate Macroeconomics 2
ECON 410	International Financial Markets
BUEC 411	Financial Institution Management
ECON 432	Econometrics
BUEC 433	Forecasting in Business and Economics
ECON 450	Economics of Taxation
ECON 455	International Trade
ECON 456	International Macroeconomics and Finance
ECON 466	Industrial Organization
ECON 472	Development Economics
ECON 480	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.	

3. Finance Major

TRU Course	Title
BBUS 312	Introduction to Financial Management
BBUS 314	Financial Statement Analysis
BBUS 315	Investments 1
BBUS 415	Investments 2
At least five of:	
BBUS 326	Taxation for Decision Making
BBUS 345	Personal Selling
BBUS 410	Personal Financial Management 1
BBUS 411	Personal Financial Management 2
BBUS 412	Business Valuation and Restructuring
BBUS 413	Advanced Financial Management
BBUS 416	Portfolio Management
BBUS 417	Risk Management and Financial Engineering
BBUS 418	International Financial Management
BBUS 419	Financial Institutions Management

4. Human Resources Major

TRU Course	Title
BBUS 381	Introduction to Human Resource Management
BBUS 384	Industrial Relations
BBUS 388	Teamwork In Organizations
BBUS 392	Employment Law
BBUS 481	Strategic Human Resource Staffing
BBUS 483	Compensation Management
BBUS 484	Learning and Organizational Development
BBUS 486	Selected Topics in Human Resource Management

5. Information Technology Major

TRU Course	Title
Lower Level Requirements	
COMP 113	Computer Programming 1
COMP 123	Computer Programming 2
COMP 139	Discrete Structures 2
COMP 223	Data Structures, Algorithm Analysis and Program Design
Upper Level Requirements	
COMP 352	Software Engineering
COMP 354	Web Site Design and Programming
COMP 361	Database Systems
COMP 424	Internet/Intranet
COMP 461	Advanced Database Systems
COMP 462	Web-based Information Systems
COMP 463	Distributed Databases and Distributed Data on the World Wide Web
COMP 491	Computing Science Project

6. International Business Major

TRU Course	Title
BBUS 345	Professional Selling
BBUS 348	Marketing Research
BBUS 351	International Business
BBUS 447	International Marketing
BBUS 451	Global Management
BBUS 452	International Trade Finance
BBUS 453	International Trade Law and Logistics
BBUS 454	Global Entrepreneurship
Language Requirement - Two courses at the 100/200 level in a second language must be completed. Both courses must be in the same language.	

7. Marketing Major

TRU Course	Title
BBUS 343	Introduction to Marketing
BBUS 347	Consumer Behaviour
BBUS 348	Marketing Research
At least five of:	
BBUS 345	Professional Selling
BBUS 441	Services Marketing
BBUS 443	Retail Management
BBUS 445	E-Commerce
BBUS 446	Marketing Strategy
BBUS 447	International Marketing
BBUS 448	Integrated Marketing Communications
BBUS 449	Business-to-Business Marketing

8. New Venture Development Major (Final Approval Pending)

TRU Course	Title
BBUS 326	Taxation for Decision Making
BBUS 343	Introduction to Marketing
BBUS 348	Marketing Research
BBUS 371	Small Business Finance
BBUS 445	E-Commerce
BBUS 448	Integrated Marketing Communications
BBUS 475	New Venture Creation
BBUS 476	Small Business Management

9. General BBA

15 credits in 300 or 400-level BBUS/BUEC/ECON courses

Minors

Students have the option of completing one or more of the following minors:

1. Accounting

TRU Course	Title
BBUS 320	Intermediate Financial Accounting 1
BBUS 321	Intermediate Financial Accounting 2
At least two of:	
BBUS 322	Income Taxation 1
BBUS 323	Income Taxation 2
BBUS 325	Intermediate Management Accounting
BBUS 420	Advanced Financial Accounting
BBUS 421	Accounting Theory
BBUS 423	Assurance
BBUS 425	Advanced Management Accounting
BBUS 426	Public Sector Accounting
BBUS 427	Forensic Accounting
BBUS 428	Management Issues in Information Systems

2. Economics

12 credits of 300 and/or 400 level Economics (ECON or BUEC) excluding ECON 309.

3. Finance

TRU Course	Title
BBUS 315	Investments 1
At least three of:	
BBUS 314	Financial Statement Analysis
BBUS 316	Canadian Securities and Investment Industry
BBUS 326	Taxation for Decision Making
BBUS 410	Personal Financial Management 1
BBUS 411	Personal Financial Management 2
BBUS 412	Business Valuation and Restructuring
BBUS 413	Advanced Financial Management
BBUS 415	Investments 2
BBUS 416	Portfolio Management
BBUS 417	Risk Management and Financial Engineering
BBUS 418	International Financial Management
BBUS 419	Financial Institutions Management

4. Human Resources

TRU Course	Title
At least four of:	
BBUS 384	Industrial Relations
BBUS 388	Teamwork In Organizations
BBUS 392	Employment Law
BBUS 481	Strategic Human Resource Staffing
BBUS 483	Compensation Management
BBUS 484	Learning and Organizational Development
BBUS 486	Selected Topics in Human Resource Management

5. International Business

TRU Course	Title
At least four of:	
BBUS 447	International Marketing
BBUS 451	Global Management
BBUS 452	International Trade Finance
BBUS 453	International Trade Law and Logistics
BBUS 454	Global Entrepreneurship

6. Marketing

TRU Course	Title
At least four of:	
BBUS 345	Professional Selling
BBUS 347	Consumer Behaviour
BBUS 348	Marketing Research
BBUS 441	Services Marketing
BBUS 443	Retail Management
BBUS 445	E-Commerce
BBUS 446	Marketing Strategy
BBUS 447	International Marketing
BBUS 448	Integrated Marketing Communications
BBUS 449	Business-to-Business Marketing

7. New Venture Development (Final Approval Pending)

TRU Course	Title
BBUS 326	Taxation for Decision Making
BBUS 371	Small Business Finance
BBUS 475	New Venture Creation
BBUS 476	Small Business Management

8. Public Relations

TRU Course	Title
JOUR 331	Introduction to Writing and Editing
JOUR 453	Corporate and Organizational Communications
JOUR 455	Media and Public Relations
At least one of:	
JOUR 350	The News and Media Business
JOUR 420	Special Writing – Financial Reporting
JOUR 430	Advance Writing and Editing

Degree Completion Requirements

Courses should be chosen so as to ensure that the following Degree Completion Requirements are satisfied.

1. Complete at least 120 semester credits including a minimum of 45 credits in non-BBUS courses.
2. Complete in the final 60 credits a minimum of 51 semester credits in Upper Division courses, including a minimum of 39 credits in BBUS/BUEC/COMP/ECON.
3. Complete at least four 400 level BBUS/BUEC/COMP/ECON courses including BBUS 478.
4. Complete all Lower Division Requirements, Core courses in 3rd and 4th Year, and a Major or General BBA.
5. Maintain an overall CGPA of at least 2.0, and grades of C- or better in all Core and Major/Minor or General BBA courses.
6. Notify the Program Advisor of their intent to graduate. Notification must take place prior to the drop/add deadline in the final semester of degree study.

Business Administration Degree Program Policies

1. Any course duplication (repeating a course) will require prior approval of the Program Advisor. Normally, **no more than 3 courses may be duplicated; and only one duplication of a single course will be allowed**. The highest grade achieved in duplicated courses will be used for CGPA calculations, but the student's record will show all attempts.
2. Students who have advanced to the 3rd year of the BBA program and subsequently want to enrol in Upper Division courses offered at other university-level institutions must consult the Program Advisor. Credits for these courses may be applied toward the BBA degree only if prior written approval of the Program Advisor has been granted.
3. No more than 15 credits of Upper Division work completed at other university-level institutions may be counted toward completion of the Upper Division Requirements after being admitted to the BBA program.
4. At least 60 credits of the course work counted toward the 120 credits required for the BBA degree must be completed at TRU.

BBA Co-operative Education Option

Sample Co-op Time Pattern

	Fall	Winter	Summer
Year 1	Academic Semester 1	Academic Semester 2	
Year 2	Academic Semester 3	Academic Semester 4	Co-op Work Term 1
Year 3	Academic Semester 5	Academic Semester 6	Co-op Work Term 3
Year 4	Academic Semester 7	Co-op Work Term 3	Co-op Work Term 4
Year 5	Co-op Work Term 5	Academic Semester 8	Graduation

Co-op Education integrates academic studies with paid periods of relevant work experience and usually extends the graduation date by a year. Advantages of the Co-op Option are that students get paid job experience in the field of their major and employers get exposure to potential future employees. Placement in the Co-op Option is competitive, with most Co-op employers located outside the Kamloops region. Students are not guaranteed job placement in any given work term.

Participation in the BBA Co-op Option is voluntary and admission is limited. Students normally apply in the fall semester of their 2nd year, but can apply in the fall semester of 3rd year. Students will be chosen by a selection committee based on grades, completion of specific courses in the discipline, previous work/volunteer experience, and a letter of application. Successful students will participate in a course entitled Working to Learn which offers instruction in career development skills.

Applicants must maintain a minimum GPA of 2.67 (B-) to be admitted to and remain in the Co-op Option. Students must have completed 51 credits including ECON 190, ECON 195, BBUS 137, BBUS 221, BBUS 254, and BUEC 232 before beginning Work Term 1. Students must complete three Co-op Work Terms to graduate with the Co-op Distinction, but no more than two Co-op Work Terms may be completed in the summer semester and their degree must end on an academic term.

Honours Degree Option

A Bachelor of Business Administration (Honours) Degree can be earned by maintaining a GPA of 3.00 or higher in 3rd and 4th year while either (i) completing additional upper level courses or (ii) writing a thesis.

Course route students should take four additional 3rd and 4th year courses in Business, Business Economics, Economics or an approved related area and must graduate with at least six 400 level BBUS, BUEC, COMP, ECON or approved related courses instead of the normal four.

Those interested in the Thesis Route must take two additional courses:

BBUS 398-3 Business Research Methodology

BBUS 498-9 Honours Thesis

Students will take BBUS 398 in the Winter Semester of 3rd year. BBUS 498 is a directed studies course in which students prepare a thesis under the supervision of a faculty member. The availability of the Thesis Route will be dependent on sufficient student demand and funding.

No grade in upper level courses can be lower than B- (GPA 2.67), although students can re-take courses once to meet the necessary grade requirement. To be admitted, students must have maintained a GPA of 3.0 or higher when meeting the Lower Division Requirements.

Double Degrees

Bachelor of Technology in Applied Computing Science (BTACS)
Bachelor of Business Administration (BBA)

General

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. This will not take eight years of study (four years for each degree) as 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 these two degrees in just five years.

Admission Requirements

- B.C. Grade 12 or Mature Student Status
- B.C. English 12 with a minimum 73% in the last 5 years; or LPI Test with Level 4 or better within the last 2 years; or completion of ENGL 060; or completion of ESAL 057 and ESAL 058 with a grade of C+ or better; or minimum TOEFL score of 570 paper (230 computer); or minimum IELTS of 6.5; or minimum CAEL of 70
- B.C. Math 12 or Math 061 with a C+ or better

Students may commence their studies while they upgrade their English and Mathematics. Admission to both the BTACS and BBA degrees occurs at the 1st year level.

Program Requirements

Students should refer to the BBA and BTACS sections of this calendar for the specific requirements of each degree program before consulting with the BBA or BTACS Program advisors to determine their course schedules.

Associate of Commerce and Business Administration Diploma

General

Associate Diplomas are awarded to recognize the achievements of students who have completed two years (60 credits) of academic work, of which at least 30 credits must have been completed at TRU.

Associate status will be of particular value to students who do not subsequently complete a degree program at a university, or who enter the work force for a period of time before transferring to a university. Associate Diplomas are also intended to encourage people to pursue learning as a means of self-enrichment and lifelong development.

This diploma is not to be confused with the 2-year diplomas offered as part of TRU's career programs.

Admission Requirements

- B.C. Grade 12 or Mature Student Status
- B.C. English 12 with a minimum 73% in the last 5 years; or LPI Test with Level 4 or better within the last 2 years; or completion of ENGL 060; or completion of ESAL 057 and ESAL 058 with a grade of C+ or better; or minimum TOEFL score of 570 paper (230 computer); or minimum IELTS of 6.5; or minimum CAEL of 70
- B.C. Math 12 or Math 061 with a C+ or better

Students may commence their studies while they upgrade their English and Mathematics. Admission to both the BTACS and BBA degrees occurs at the 1st year level.

Program Requirements

To earn this associate diploma, students must complete the Lower Division Requirements of the Bachelors of Business Administration (on page 48) degree.

Minor in Management

General

Most professionals outside of business still require a strong foundation in the principles of management to be effective on the job. The Minor in Management provides students not in the BBA with the opportunity to acquire these needed skills.

Admission Requirements

The Bachelor of Science (B.Sc.), Bachelor of Arts (B.A.), and Bachelor of Technology in Applied Computing Science (B.T.A.C.S.) have adopted the Minor in Management. Admission to these degree programs qualifies students for this minor.

Program Requirements

MATH 107 - Fundamentals of Mathematics for Business and Economics **or** MATH 110 – Finite Mathematics with Applications 1 **or** MATH 114 - Calculus 1 **or** MATH 138 - Discrete Data Structures for Computing Science
MATH 120 – Introduction to Statistics **or** STAT 200 – Introduction to Statistics **or** PSYC 210 – Analysis of Psychological Data **or** BUEC 232 – Economics and Business Statistics 1 **or** BIOL 300 – Biometrics **or** SOCI 271- Introduction to Social Statistics
BBUS 221 – Financial Accounting
BBUS 272 - Organizational Behavior
BBUS 312 – Introduction to Financial Management
BBUS 343 – Introduction to Marketing
BBUS 381 – Introduction to Human Resource Management
One additional 300/400 BBUS
One additional 300/400 BBUS
One additional 300/400 BBUS

Post-Baccalaureate Diplomas in Business

General

Post-Baccalaureate Diplomas in Business are offered in the following areas:

- Accounting
- Finance
- Human Resource Management
- International Business
- Marketing
- New Venture Development

Final approval for a new post-baccalaureate diploma in New Venture Development is pending.

The Post-Baccalaureate Diplomas are aimed at students with a non-business degree who want to return to university for one or two years to acquire a specialty in a functional area of business in order to gain entry-level employment. Students with a first degree in business, but who want to change their area of focus, may also complete a Post-Baccalaureate Diploma.

The Post-Baccalaureate Diplomas offers more extensive course work than a MBA in the specific functional area, which better prepares students for pursuing a professional designation upon graduation. It will also take less time to complete than a full BBA degree.

The Post-Baccalaureate Diplomas are also of interest to International students who want to come to Canada to learn English, gain exposure to the culture, and study in a compressed format. Many have already studied business in their own country and should receive exemptions that will reduce the length of the program.

Part-time study is welcomed.

Admission Requirements

1. Math 12 or MATH 061 or MATH 100 or equivalent with a C+ or better
2. ENGL 110 or equivalent with a C+ or better
3. A bachelor degree

Students may commence their studies while they upgrade their English and Mathematics. Admission to both the BTACS and BBA degrees occurs at the 1st year level.

Program Requirements

1. Accounting

TRU Course	Title
MATH 107 MATH 110	Fundamentals of Mathematics for Business and Economics or Finite Mathematics with Applications 1
MATH 120 BUEC 232	Introduction to Statistics or Economics and Business Statistics 1
BBUS 137	Management Information Systems 1
BBUS 221	Financial Accounting
BBUS 254	Management Accounting
BBUS 312	Introduction to Financial Management
BBUS 320	Intermediate Financial Accounting 1
BBUS 321	Intermediate Financial Accounting 2
BBUS 322	Income Taxation 1
BBUS 323	Income Taxation 2
BBUS 325	Intermediate Management Accounting
BBUS 393	Commercial Law
BBUS 423	Assurance
BBUS 428	Management Issues in Information Systems
At least two of:	
BBUS 314	Financial Statement Analysis
BBUS 315	Investments 1
BBUS 413	Advanced Financial Management
BBUS 420	Advanced Financial Accounting
BBUS 421	Accounting Theory
BBUS 425	Advanced Management Accounting

2. Finance

TRU Course	Title
MATH 107	Fundamentals of Mathematics for Business and Economics
MATH 117	Calculus for Business and Economics
ECON 190	Introduction to Microeconomics
ECON 195	Introduction to Macroeconomics
BUEC 232	Economic and Business Statistics 1
BUEC 233	Economic and Business Statistics 2
BBUS 137	Management Information Systems 1
BBUS 221	Financial Accounting
BBUS 254	Management Accounting
BBUS 312	Introduction to Financial Management
BBUS 314	Financial Statement Analysis
BBUS 315	Investments 1
BBUS 415	Investments 2
At least seven of:	
BBUS 326	Taxation for Decision Making
BBUS 343	Introduction to Marketing
BBUS 345	Personal Selling
BBUS 393	Commercial Law
BBUS 410	Personal Financial Management 1
BBUS 411	Personal Financial Management 2
BBUS 412	Business Valuation and Restructuring
BBUS 413	Advanced Financial Management
BBUS 416	Portfolio Management
BBUS 417	Risk Management and Financial Engineering
BBUS 418	International Financial Management
BBUS 419	Financial Institutions Management

3. Human Resource Management

TRU Course	Title
BBUS 137	Management Information Systems 1
BBUS 221	Financial Accounting
BBUS 272	Organizational Behaviour
BBUS 303	Business and Society
BBUS 343	Introduction to Marketing
BBUS 381	Introduction to HRM
BBUS 384	Industrial Relations
BBUS 388	Teamwork in Organizations
BBUS 392	Employment Law
BBUS 393	Commercial Law
BBUS 481	Strategic Human Resource Staffing
BBUS 483	Compensation Management
BBUS 484	Learning and Organizational Development
BBUS 486	Selected Topics in HRM

4. International Business

TRU Course	Title
BBUS 221	Financial Accounting
BBUS 137	Management Information Systems 1
MATH 120 BUEC 232	Introduction to Statistics **or** Economics and Business Statistics 1
BBUS 272	Organizational Behaviour
BBUS 312	Introduction to Financial Management
BBUS 331	Operations Management
BBUS 343	Introduction to Marketing
BBUS 345	Personal Selling
BBUS 348	Marketing Research
BBUS 351	International Business
BBUS 393	Commercial Law
BBUS 447	International Marketing
BBUS 451	Global Management
BBUS 452	International Trade Finance
BBUS 453	International Trade Law and Logistics

5. Marketing

TRU Course	Title
MATH 120 BUEC 232	Introduction to Statistics or Economic and Business Statistics 1
BBUS 137	Management Information Systems 1
BBUS 221	Financial Accounting
BBUS 272	Organizational Behaviour
BBUS 312	Introduction to Financial Management
BBUS 343	Introduction to Marketing
BBUS 347	Consumer Behaviour
BBUS 348	Marketing Research
BBUS 393	Commercial Law
At least six of:	
BBUS 345	Professional Selling
BBUS 351	International Business
BBUS 441	Services Marketing
BBUS 443	Retail Management
BBUS 445	E-Commerce
BBUS 446	Marketing Strategy
BBUS 447	International Marketing
BBUS 448	Integrated Marketing Communication
BBUS 449	Business-to-Business Marketing

6. New Venture Development (Final Approval Pending)

TRU Course	Title
BBUS 137	Management Information Systems 1
MATH 120 BUEC 232	Introduction to Statistics **or** Economics and Business Statistics 1
BBUS 221	Financial Accounting
BBUS 254	Management Accounting
BBUS 312	Introduction to Financial Management
BBUS 326	Taxation for Decision Making
BBUS 343	Introduction to Marketing
BBUS 345	Personal Selling
BBUS 348	Marketing Research
BBUS 371	Small Business Finance
BBUS 393	Commercial Law
BBUS 445	E-Commerce
BBUS 448	Integrated Marketing Communications
BBUS 475	New Venture Creation
BBUS 476	Small Business Management

Program Policies

1. Students must receive a C- or better in all courses
2. Courses can only be repeated once
3. Only two courses can be repeated
4. Students must take a minimum of six courses at TRU after exemptions to receive one of these post-baccalaureate diplomas.

Bachelor of Education (Elementary) Degree Program

Program Governance

Dean, School of Education

MILLER, JACK, B.Ed., M.Ed., Cert. Ad. Ed. (U.Vic.), Ed.D. (Brit. Col.) Assistant Professor, Education

Chairperson, B.Ed. Program

WALTON, PATRICK, B.A., B.Ed., M.Ed. (Regina), Ph.D. (Brit. Col.), Associate Professor, Chairperson, Education

Full-time and Continuing Faculty

CALDER, KIM, B.Ed., E.C.E. Dipl., M.Sc. (Calg.), Ph.D. (Brit.Col.), Assistant Professor, Education
FREED-GARROD, JOI, B.A. (W.U.-St. Louis), M.A. (S.F.U.), Ph.D. (Brit. Col.), Assistant Professor, Education
GIBBARD, GEOFF, B.A. (U.B.C.), 5th Yr. Ed. Cert. (U.B.C.), M.Ed. (U.B.C.), Practica Coordinator, Education
GULLEY, DAVE, B.Ed., Grad. Dipl. Ed. Admin. (Calg.), C.C.S. (V.S.T.), Education
PURVEY, DIANE, B.A. (Brit. Col.), M.A. (U.Vic.), Ph.D. (Brit. Col.), Assistant Professor, Education
WILTSE, LYNNE, B.Ed. (U.Vic.), M.Ed., Ph.D. (Alta.), Assistant Professor, Education

Sessional Faculty

CRITCHLEY, ELIZABETH, B.G.S. (S.F.U.), M.Ed. (U.Vic)
FORNELLI, JIM, B.Ed. Sec., M.Ed. Counselling Psych (Brit. Col.)
KANSKY, HEATHER, B.Ed., M.Ed. (U.Vic.)
MIRTLE, SHARON, B.Ed., M.A. (Brit. Col.), Education
NIELSEN, AUDREY, B.Ed. (Brit. Col.), M.Ed. (S.F.U.)
PEARCE, GREGORY, B.A., B.Ed., M.Ed. (M.U.)
POWELL, JANE, B.Ed., M.A. (Brit. Col.), Education
POWRIE, STEVE, B.A., B.Ed. (Brit. Col.), M.A. (Gonzaga), Education
RUMBLE, KEITH, B.Ph.Ed. (Tor.), M.Ed. (U.Vic), Faculty Advisor
SPECHT, RUSS, B.Ed., M.Ed. (Brit. Col.), Education
VIPOND-SCHMIDT, EVELYN, B.Ed. (Brit. Col.), M.A. (NSCad.), Education

Admission Requirements

Applicants for admission must satisfy Parts A, B and C below.

Part A—B.Ed. Pre-admission Requirements

The Bachelor of Education (Elementary) program is a two-year program which starts in September of each year. While it is recommended that applicants have a Bachelor's degree from another Faculty (normally Arts or Science), applicants will be eligible for admission with **a minimum of 90 credits acceptable to the School of Education, normally in Arts, Fine Arts, Mathematics, Science, Music or Physical Education.** Priority is **not** given to students who have a completed degree.

1. **6 credits of English**, including both Literature and Composition;
2. **3 credits of Mathematics** (not Statistics);
3. **3 credits of Science with a laboratory component**;
4. **3 credits of History or Geography**;
5. **18 credits of third- and fourth-year level courses in one teachable area** – Art, Dance, Drama, Language Arts, Mathematics, Music, Physical Education, Science and Social Studies (any combination of Anthropology, Economics, 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. **30 credits of senior course work to meet the British Columbia College of Teachers' Acceptable Degree Policy** (see Part B, below). These 30 credits include the 18 credits in number 5, 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 at least 33 credits, including 1 to 5 above;
9. **One hundred (100) hours** minimum of relevant volunteer or paid experience working with groups of elementary school-aged children is required. It is highly recommended that a part of these hours be in an elementary school setting.

Part B—British Columbia College of Teachers Pre-admission Requirements

In addition to satisfying the B.Ed. pre-admission requirements, applicants should note that the **British Columbia College of Teachers** requires at **least 30 senior credits** in:

1. Any one of or any combination of Art/Visual Arts, English, French Language and Literature, Biology, Chemistry, Computer Science, Geography, Geological Science, History, Home Economics, Mathematics, Music, Physics or Technology Studies (see "Policies of BCCT: P2.B.03", BCCT website http://www.bcct.ca/about_us/bylaws_policies.aspx);

   or

   Any combination of subjects included in the British Columbia public school curriculum with a maximum of 12 credits in any single subject other than the subjects listed above (these are the subjects without an asterisk in the "Policies of BCCT: P2.B.03").

2. Of the 30 senior credits required, no more than 18 credits may be of a studio or performance nature (e.g., physical education activity courses, music or theatre performance, or fine art studio).

   The British Columbia College of Teachers regards as *senior* all third- and fourth-year courses, as well as courses not of an introductory nature, that are completed following six credits of introductory coursework in the same subject area. For example, when a student completes TRU HIST 112 (3 credits) and HIST 122 (3 credits), then later completes HIST 202 (3 credits), HIST 202 will be regarded as a *senior-level* course. Note that the TRU requirement of 18 credits of third- and fourth-year courses still applies.

3. The British Columbia College of Teachers has the authority to issue teaching certificates under the BC Government Teaching Profession Act. Persons convicted of a criminal offence, or who have been given an absolute or conditional discharge, should write to the Registrar, BC College of Teachers for clarification of their status before undertaking a teacher education program.

   Current information concerning the membership and certification requirements of the BC College of Teachers can also be obtained from:

   The Registrar, British Columbia College of Teachers
   #400 – 2025 West Broadway
   Vancouver, BC V6J 1Z6
   Phone: (604) 731-8170 Fax: (604) 731-9142
   BCCT Website (http://www.bcct.ca/)

Part C—Interview and Spontaneous Write

All applicants who meet the minimum requirement for entry into the B.Ed. (Elementary) program will be interviewed by two or three members of the Bachelor of Education Admissions Committee. Interviews will be conducted in late April or early May and will be 15-20 minutes in length. Students will be notified well in advance of the date, time and location of the interviews, which will be held on campus in Kamloops, BC. In exceptional circumstances, applicants may be offered the opportunity to be interviewed by telephone or video teleconference. In addition, at the time of the interview, each candidate will be required to write a short essay on a given topic in a 30 minute timed session. The writing will be spontaneous and will be supervised by a member of the Bachelor of Education Admissions Committee.

Recommendations for all applicants

The School of Education usually receives many more applications than spaces available in the B.Ed. program. As a consequence, some applicants who meet the minimum admission requirements may not be admitted. Applicants are encouraged to complete a broad range of post-secondary studies, more extensive subject preparation, and higher grades than the minimum specified.

It is important for students seeking admission to the B.Ed. program to satisfy all the requirements of the Faculty in which they are registered, as they proceed, so that they can complete the remaining degree requirements later. Individual students wishing to complete their initial degree after obtaining their B.Ed. degree will be subject to the degree regulations at the time of their admission to those initial degree programs.

Practicum Placements

The teacher education program includes four teaching practica. Practica in Year 1, Terms 1 and 2, occur in Kamloops schools. The remaining two practica (Year 2, Terms 1 and 2) are held in the school districts listed below. Approximately one-half of the Teacher Candidates are placed outside of School District #73 (Kamloops/Thompson).

- School District #22 (Vernon) - Vernon area
- School District #27 (Cariboo-Chilcotin) - Williams Lake/100 Mile area
- School District #53 (Okanagan Similkameen) - Oliver area
- School District #58 (Nicola-Similkameen) - Merritt area
- School District #73 (Kamloops/Thompson) - urban, rural and independent schools
- School District #74 (Gold Trail) – Ashcroft, Cache Creek, Clinton, Lillooet and Lytton areas
- School District #83 (North Okanagan-Shuswap) - Salmon Arm area

Teacher Candidates (TC's) admitted to the B.Ed. program will be asked to indicate their choices of school district locations for the practica in Year 2, Terms 1 and 2. Special consideration regarding practica placement may be granted to TC's on a case-by-case basis.

Application for Admission and Deadline Dates

Applications are submitted to the university's Registrar's Office but will not be considered until all required documents have been received. TRU transcripts do not need to be submitted by applicants as they are on file. Consideration will be given to all applicants who meet the minimum admission requirements. The average intake of students over the last few years has been approximately 56. Deadline for TRU APPLICATION is February 17, 2009. Final transcripts deadline is May 15, 2009 if students are studying at another institution. Applicants must have completed ALL B.Ed. program prerequisites no later than the end of the Winter Semester that coincides with the deadline for application. There will be NO EXCEPTIONS to this requirement.

All forms, documents and reference letters should be submitted to Admissions, TRU, Box 3010, Kamloops, BC, V2C 5N3. An application will not be considered unless all required documents have been received. Please contact Admissions in person, by mail or by phone (250-828-5093) to obtain an application package.

Documents Required

All required forms are included in the TRU Admission Requirements Package and on the School of Education Website.

1. TRU Application Form and Supporting Documents
2. Application Fee of $25.00 for all students new to TRU
3. Two confidential statements from "referees" qualified to attest to the applicant's suitability for teaching
4. **Official** transcripts from **all** post-secondary institutions attended except for TRU. **Photocopies of transcripts are not acceptable.**

The Bachelor of Education (Elementary) Program

The B.Ed. 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 College of Teachers.

Year 1, Term 1

Course	Credits	Description
EDPR 310	1 (44 hrs)	Practicum 1 (8 Wednesdays in October and November)
EDCO 310	3	Communications 1
EDPY 310	3	Child Development and Teaching
EDEF 310	3	History of Education
EDLL 310	3	Language and Literacy 1
EDMA 310	3	Mathematics 1
EDPE 310	3	Physical Education Methods
EDTL 310	3	Teaching and Learning 1
Total	22	

Year 1, Term 2

Course	Credits	Description
EDPR 320	2 (60 hrs)	Practicum 2 (final 2 weeks in Winter term)
EDLL 320	4	Language and Literacy 2
EDMA 320	3	Mathematics 2
EDSC 320	3	Science Methods
EDSO 320	3	Social Studies Methods
EDTL 320	3	Teaching and Learning 2
EDEF 320	3	Theoretical Frameworks of Education
Total	21	

Year 2, Term 1
(course-work begins after EDPR 410)

Course	Credits	Description
EDPR 410	3 (90 hrs)	Practicum 3 (3 weeks at Sept. start)
EDPP 410	2	Personal Planning
EDPY 410	3	Special Education
EDTL 410	3	Teaching and Learning 3
EDVP 410	2	Drama
EDVP 411	2	Music
EDVP 412	2	Visual Arts
EDSL 420	2	ESL/Second Languages
Elective	3	Below
Total	22	

Year 2, Term 2
Courses: (intensive 4 week session after EDPR 420)

Course	Credits	Description
EDPR 420	5 (300 hrs)	Practicum 4 (10 weeks, beginning in January at school district opening dates)
EDEF 420	2	School Organization
EDFN 420	2	Teaching First Nations Children
EDCO 420	1	Communications 2
Elective	3	Below
Total	13	

Electives

Note: the Electives may vary from year to year
Two Academic, Curriculum & Professional Electives to be taken in Year 2, Terms 1 & 2 selected from:

Course	Credits	Description
EDLL 415	3	Children's Literature
EDPE 415	3	Elementary Physical Education: Instruction
EDSC 415	3	Environmental Education
EDSO 415	3	Global Education
EDIT 415	3	Information Technology Across the Curriculum
EDVP 415	3	Music Curriculum and Instruction: Elementary
EDSC 416	3	Problem Solving in Science and Mathematics
EDEF 415	3	Social Foundations of Education: Gender and Education
EDPY 415	3	Special Education: Specific Learning Disabilities
EDVP 416	3	Visual and Performing Arts in Media and the Environment
Total program requirements: 78 credits.		

Some School of Education Academic Regulations

The following information is of special interest to applicants to the Bachelor of Education Program.

Academic Advising

First and second year students attending TRU should contact the Academic Advising Department at (250) 828-5075 to ensure they have selected the appropriate courses to meet the Bachelor of Education requirements. Third and fourth year students need to consult with their program advisor. Students are reminded that the 78 credits required for completion of the B.Ed. degree are counted from the point of admission to the program (Year 1, Term 1).

Advancement

A candidate must normally have passed all courses prescribed for each term before advancing to courses, including practica, prescribed for the next term.

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 B.Ed. program.

Entrance Scholarships

Thompson Rivers University makes available, through the TRU Foundation, a limited number of entrance scholarships for students entering this degree program. Further information is available through the Financial Aid and Awards Office.

Oral and Written English Requirement

A student 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 requested to undertake remedial work in spoken English or 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.

Part-Time Students

Teacher Candidates are expected to complete the program on a full-time basis. However, a limited number of Teacher Candidates may be admitted to complete the course work components of the program on a part-time basis. All practica, except that in Year 1, Term 1, must be completed on a full-time basis.

Practica

If you are admitted to the B.Ed. program, you will be asked to identify your preferences for geographic areas within the TRU region for your three-week and ten-week school practica. While an attempt is made to place you within the TRU region in a school district of your choice, only a limited number of placements are made in any one district. Please note that the majority of teacher candidates are placed outside the city of Kamloops. You must be prepared to accept any placement in one of the seven partner schools districts and to assume transportation and living costs. However, we do try hard to place you in the district of your choice.

Program Advising and Counselling

Students, whether entering their second year or applying for admission to the B.Ed. program, can arrange to meet with the Education Advisor of the B.Ed. program if they have specific questions or concerns.

Dave Gulley, Education Advisor
Telephone: (250) 377-6048
Email: edadvising@tru.ca

Registration and Payment of Fees

You will be notified in writing by the Registrar's Office if you have been accepted into the B.Ed. program or if you have been placed on the wait list. Once admitted, you will be asked to pay a $500.00 commitment fee in order to reserve your 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.

Transfer Students

Students who have completed their minimum 90 credits or their degrees at other colleges or universities are considered on the same basis as students currently attending TRU.

Volunteer or Paid Experience with Children

A supplementary application form 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. You must have completed a minimum of 100 hours of volunteer or paid experience with groups of elementary school-aged children. These hours must be completed prior to your admission into the program. Because school-based experiences are so closely related to your focus within the B.Ed. program, you are encouraged to seek opportunities in elementary school settings.

Withdrawal and Re-admission

Candidates who begin the Extended Practica (EDPR 410 and EDPR 420) 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.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

TRU Teacher Education Program Description

Website (http://www.tru.ca/programs_courses/sub_pages/university-degrees.html)

Thompson Rivers University offers a Bachelor of Education (Elementary) program, which integrates two years of theoretical and pedagogical study with school experiences. Teacher candidates who successfully complete all the program requirements receive a Bachelor of Education degree and qualify for a Professional Teaching Certificate issued by the British Columbia College of Teachers. This degree and certification qualifies the graduate to teach grades K-12 in BC public schools.

When selecting students for the B.Ed. program, the Admissions Committee considers:

a. academic background and performance

b. experience with groups of elementary school-aged children

c. a letter of intent

d. recommendations from two referees

e. the results of a spontaneous writing session

f. an interview of approximately 20 minutes duration with 2-3 members of the B.Ed. program faculty.

The weighting of the elements of the application is as follows: 40% - item (a) (GPA); 60% - items (b) to (f).

Bachelor of Fine Arts Degree Program

Introduction

This four year Bachelor of Fine Arts (BFA) degree (in Visual Arts) is shaped around a core curriculum of Studio and Art History/Theory offerings, but with the option to pursue a program stream in the area of Gallery Studies. As a whole, the TRU degree encourages an approach to learning which is interdisciplinary in nature and which, in this manner, takes advantage of the many facets of the University community. A student completing the degree may pursue many employment or further educational opportunities.

Program Requirements

The BFA degree is comprised of a minimum 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.

Students wishing to enter this program should seek the advice of an Academic Advisor and may also wish to consult with the Chair of Visual and Performing Arts. Students may also send inquiries by e-mail to bfamoreinfo@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. Interested students should apply as early as possible, and should be aware that April 15th is the final deadline.

Studio and Art History Offerings

TRU is equipped with extensive studios for courses in Ceramics, Drawing, Foundation, Painting, Photography, Printmaking (etching, lithography 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 Directed 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 TRU BFA. In addition, 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.

Gallery Studies

Gallery Studies courses are available for third and fourth year programming, and are intended to allow the student to take courses towards, and possibly specialize in, the area of Gallery Studies. Courses in this area include ones such as Gallery Management and Public Art, which provide the student with an understanding of the nature 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, with the TRU Visual Arts Gallery and the Kamloops Art Gallery as potential teaching spaces. A Directed Studies in Gallery Studies at the fourth year will allow the student to pursue topics of interest in greater depth.

Admission Requirements

Educational Requirements

- B.C. Grade 12, or equivalent, or mature student status
- 73% on the combined English 12 and Government Exam (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 060, or completion of ESAL 057 and ESAL 058 with C+, or better.

General Requirements

- Proof of Canadian Citizenship or Landed Immigrant Status if the applicant is not born in Canada
- Official transcripts of previous secondary and/or post-secondary education records.

Graduation Requirements for a Bachelor of Fine Arts Degree

The BFA degree requires completion of a minimum of 120 credits.

1. General Educational Requirements: 24 credits
   - 6 credits first year English: e.g. ENGL 110, 111, 112, 114, 121
   - 12 credits selected from three of the following areas:

     Humanities: e.g. Film Studies, History, Modern Languages, Music, Philosophy, Religious Studies, Theatre

     Social Sciences: e.g. Anthropology, Economics, Geography, Political Studies, Psychology, Sociology

     Math/Science: In addition to courses offered by Math and Science departments, this requirement may be met by additional courses with a lab component, potentially including such disciplines as Computing Science, Physical Geography, Statistics
   - 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 Fine Arts courses in Art History or Art Theory
2. History and Theory of Art (HTA) Requirements: 18 credits
   - Required HTA courses are: VISA 111, VISA 112, VISA 499
   - 18 credits in Art History or Theory: 9 of these credits must be selected from third and fourth year offerings
3. Studio Requirements: 78 credits

   To complete a BFA degree, students must have 78 credits of Studio, 39 or which must be at the third and fourth year. Students intending to complete their program of studies in Studio Art should take VISA 491 (12 credits). Students intending to complete their program of studies in Gallery Studies should take VISA 492 (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.
   - Required studio courses are: VISA 101, VISA 102, VISA 103, VISA 121, VISA 491
   - 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 110	3	ENGL 111	3
VISA 101	3	VISA 102	3
VISA 111	3	VISA 103	3
VISA 121	3	VISA 112	3
Academic Elective	3	VISA 122	3
Total	**15**	**Total**	**15**

Year 2: 30 credits

2nd Year Art History or Theory	3
2nd Year Studio courses	24
Academic Elective or Art History/Theory	3
Total	**30**

Year 3: 30 credits

3rd Year Art History or Theory	3
3rd Year Studio courses in at least two areas	21
Academic Elective	6
Total	**30**

Year 4: 30 credits

3rd Year Studio courses	6
VISA 491	12
VISA 499	6
Academic Elective	6
Total	**30**
Total Program Requirements	**120**

Students wishing to complete the BFA program should consult the Department Chair or Visual Art Coordinator or BFA program advisor.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Bachelor of Journalism Degree Program

Program Governance

Dean of Arts

SCHECK, ULRICH, Staatsexamen (U Mannheim/Germany), M.A., Ph.D. (Waterloo)

Chairperson

RUVINSKY, MAXINE, B.F.A. (Concordia), M.A. (Calg.), Ph.D. (McGill), Assistant Professor, Chairperson, Journalism

Full-Time Faculty

BASS, ALAN, B.A., (Toronto), M.A., (York), Assistant Professor, Journalism
HAYS, CHARLES, B.Sc. (Oregon), M.Sc. (South Dakota), Ph.D. (Iowa), Assistant Professor, Journalism
KEUSCH, DENNIS, Dipl. Electronic Publishing (Selkirk), Lab Faculty, Journalism
THOMPSON, SHAWN, B.A. (Hons.) (West. Ont.), M.A. (Queen's), Assistant Professor, Journalism

Introduction

Thompson Rivers University (TRU) offers an intensive Bachelor of Journalism 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. The Degree prepares students for careers in print journalism (working for newspapers, magazines, and online publications) and in the communications field (working in the media or public relations departments of government agencies, corporations, and non-profit and advocacy organizations). Students have the opportunity to work with an expert faculty of experienced journalists and state-of-the-art equipment in a program that encourages them to develop the professional and entrepreneurial skills they need to flourish in a changing media environment.

Students enter the Bachelor of Journalism degree program after earning at least 60 university credits, normally at their third year of university, and complete the remaining 60 credits over the next two years (four semesters) in the School of Journalism. All students entering the School complete a bank of four foundational Journalism courses that extend over two semesters; in their second (or final) year in the School of Journalism, students fulfil the remaining credit requirements. (See course offerings in the boxes below.)

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.

Students accepted into the program will work out their individual program plans according to their individual objectives and in consultation with the Program Chair, but all students must take the four foundation courses in their year of entry. This foundation year of required courses 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 relations between theory and practice and 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.

Admission Requirements

To be admitted to the Bachelor of Journalism Degree Program, students need to first complete two years (or 60 credits) of liberal arts or diploma program prerequisites at any college or university in Canada. Students who already have Bachelor degrees in other disciplines may also enter the Program and earn a second Bachelor degree in Journalism. The School offers one final option for degree-holders: a Post-Baccalaureate Diploma in Journalism requiring 30 credits and completed in a single academic year (two semesters).

The Degree Program includes a required summer internship (lasting at least 12 weeks) at a newspaper or magazine, or in the media or public relations departments of government or private agencies. Students prepare to compete for these summer internships (the traditional way into the newspaper business) in the two-semester core course Journalism 304 Working in the News Business, but they 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.

With the consent of the Program Chair, qualified students may enter the School of Journalism on a part-time basis, and space permitting, students from other disciplines may take journalism courses.

All TRU Bachelor of Journalism students must complete 48 credits' worth of Journalism courses and a further 12 credits in electives. These requirements reflect the value that TRU places on a broadly based education in the Humanities, the Sciences and Social Sciences, and Business. Students applying for admission to the Bachelor of Journalism program should have their credentials reviewed by the Program Chair to ensure that they satisfy prerequisites and GPA requirements. Prospective students are required to demonstrate reasonable keyboarding skills and submit a writing sample; they may also be asked to complete a pre-enrolment interview and/or a short writing-skills test to assess their writing ability. Students are further encouraged to gain volunteer experience in the field before applying to the program.

The School of Journalism usually receives more applications than it has spaces available each year. Because admission is competitive, some applicants who satisfy the minimum requirements may not find a place in the program. 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.

Application Deadlines

Applications for the September 2008 enrolment will be accepted beginning **October 1, 2007**. Early admission begins **February 15, 2008**. Students are advised to apply early. We will continue to accept applications until the program fills. Please read the admission requirements carefully.

General inquiries are welcome. Please contact the Journalism Program by calling 250-371-5580, or the Journalism Chair at 250-371-5925.

Bachelor of Journalism - The Regular Program

Length: 4 semesters (60 credits after entry at Year III)

Prerequisites: 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 British Columbia or in other parts of Canada. We recommend that students planning to enter the Bachelor of Journalism program select a pre-journalism program that includes a wide range of topics, depth in Canadian content, and several writing-intensive courses. In particular, we recommend at least 6 credits of English Composition (including at least one second-year course) and 6 credits of history and/or political science. Other courses may be selected from a broad range of disciplines in the humanities, the sciences, the social sciences, and business (including for example the following: Canadian studies, languages, geography, philosophy, sociology, psychology, anthropology, economics, business, math, science, and visual and performing arts). For students lacking the requisite breadth of courses, or fewer than 60 credits, admission may be approved conditionally, but no student will be admitted with fewer than 54 credits of course work. Depending upon the student's interests, other course mixes may be accepted.

Bachelor of Journalism Program - Years III and IV

Journalism students are required to take 48 credits of journalism courses and 12 credits in liberal arts electives over the two-year period. Of these 12 elective credits, 6 may be from additional Journalism courses. Both journalism courses and electives are selected in consultation with the Program Chair. Students should use these 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's Rhetoric and Professional Writing Option. Similarly, the Departments of Philosophy, History, Geography, Sociology, and Political Science offer a number of 300 and 400 level courses that would enable students to enhance their knowledge of Canadian history, politics, and social structure.

Students who want to pursue a concentration in Public Relations must also earn 48 credits in Journalism (including all required courses). In addition to taking JOUR 455 Public Relations, they must take all 12 elective credits in Business, rather than in Arts. (The required business courses for a concentration in PR are given below.)

The boxes that follow detail the Journalism courses and their distribution over the two-year period of the Degree Program. In their first year in the Journalism School (Year III of the Degree Program), students take the four foundation courses along with two electives, one in the Fall semester and one in the Winter semester. In their second year (Year IV of the Degree Program), Journalism students must complete a further 24 credits in Journalism (12 per semester) and 6 more elective credits (3 per semester). Two of the second-year courses are compulsory: JOUR 452 Research Methods and JOUR 470 Media Law & Ethics.

Year 1	Foundation Year Courses	Credits
JOUR 301	Media Theory and History	6
JOUR 302	Reporting for the Media	6
JOUR 303	Technique: Writing and Editing	6
JOUR 304	Working in the News Business	6
Electives	(Six elective credits from outside Journalism)	6
Total Journalism Credits		30

Year 2	Second Year Courses	Credits
JOUR 410	Online Journalism	3
JOUR 412	Newspaper Production	3
JOUR 421	Freelance Writing	3
JOUR 424	Beat Reporting: Politics	3
JOUR 451	Photojournalism	3
*JOUR 452	Research Methods *(Core)	3
JOUR 454	Magazine Writing and Production	3
JOUR 455	Media and Public Relations	3
JOUR 459	Outlaw Journalists	3
*JOUR 470	Media Law & Ethics *(Core)	3
Total Journalism Credits		30

Concentration in Public Relations: Required Courses		
Required Courses	Course Name	Credits
JOUR 455	Media and Public Relations	3
BBUS 303	Business in Society	3
BBUS 343	Introduction to Marketing	3
BBUS 448	Integrated Marketing Communications	3
Plus three credits selected from:		
BBUS 351	International Business	3
BBUS 388	Teamwork in Organizations	3
BBUS 384	Industrial Relations	3
BBUS 381	Introduction to Human Resource Management	3

Post-Baccalaureate Diploma in Journalism

General

The Post-Baccalaureate Diploma option is for those who have already earned a bachelor degree. Not as extensive as the full Bachelor of Journalism Degree Program, this option is designed for those students who already hold a university degree and who wish to complete a concentrated professional program in one year. The School of Journalism reserves a maximum of three seats for the post-baccalaureate diploma option, and thus entry is highly competitive.

Length: 2 semesters (30 credits)

Admission Requirements:

1. Baccalaureate degree with evidence of outstanding achievement in the final two years of the degree (e.g., high academic standing, strong letter of reference, etc.)
2. work or volunteer experience in journalism or a related field is highly recommended
3. a selection interview with program faculty
4. a writing sample

Students pursuing the Post-Baccalaureate Diploma must complete 30 credits in Journalism (no elective credits are required or permitted). Each student's program will be developed in consultation with the Program Chair.

The table below lists all journalism courses in ascending numerical order. An asterisk beside the course name/number indicates the course is a core (or compulsory) course for Bachelor of Journalism degree students:

Complete Listing of Journalism Courses

Course	Title	Credits
JOUR 301	Media Theory & History	6
JOUR 302	Reporting for the Media	6
JOUR 303	Technique: Writing & Editing	6
JOUR 304	Working in the News Business	6
JOUR 410	Online Journalism	3
JOUR 412	Newspaper Production	3
JOUR 421	Freelance Writing	3
JOUR 424	Beat Reporting: Politics	3
JOUR 451	Photojournalism	3
*JOUR 452	Research Methods *(Core)	3
JOUR 454	Magazine Writing & Production	3
JOUR 455	Media & Public Relations	3
JOUR 459	Outlaw Journalists	3
*JOUR 470	Media Law and Media Ethics *(Core)	3
Total Core Course Credits		**54**

Application Deadlines

Applications for the September 2008 enrolment will be accepted beginning **October 1, 2007**. Early admission begins **February 15, 2008**. Students are advised to apply early. We will continue to accept applications until the program fills. Please read the admission requirements carefully.

General inquiries are welcome. Please contact the Journalism Program by calling (250) 371-5580, or the Journalism Chair at (250) 371-5925.

Bachelor of Natural Resource Science Degree Program

Program Governance

Dean of Science

PRINS, LARRY, R.R.T. (Fanshawe), I.D. (Brit. Col.), M.A. (Gonzaga), Advanced R.R.T. (C.S.R.T.)

Chairperson

KARAKATSOULIS, JOHN, B.Sc., Ph.D.(Brit. Col.), Assistant Professor, Chairperson, Natural Resource Sciences

Full-Time Faculty

BROAD, PEGGY-JO, B.Sc.F. (Brit. Col.), Lab Faculty, Natural Resource Sciences
FRASER, LAUCHLAN, B.Sc., M.Sc. (Brit. Col.), Ph.D. (Sheffield), Canada Research Chair, Coordinator, Master of Science
GARDNER, WENDY, B.Sc. (Hons.), M.Sc. (Brit. Col.), Ph.D. (U of A), Natural Resource Sciences
HEISE, BRIAN A., B.Sc. (Guelph), M.Sc. (Man.), Ph.D. (Toronto), Associate Professor, Natural Resource Sciences
HUNT, GARY A., B.A. (Fresno State), M.A. (Hayward State), Ph.D. (Oregon State), Assistant Professor, Natural Resource Sciences
LARSEN, KARL, B.Sc.(Double Major), M.Sc. (U.Vic.), Ph.D. (Alta.), Associate Professor, Natural Resource Sciences
SORENSEN, JACQUELINE, B.N.R.S. (U.C.C.), Lab Faculty, Natural Resource Sciences
WATSON, E. KENT, B.Sc., M.Sc. (Brit. Col.), Assistant Professor, Natural Resource Sciences
WATSON, SHERI M., B.Sc., M.Sc. (Calg.), Lab Faculty, Natural Resource Sciences

Program Description

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 once admitted to the program.

The purpose of the BNRS degree program is to prepare students for careers in a wide range of natural resource sector jobs and for further academic study in graduate school. The program goals are met by providing a unique combination of courses covering biology, ecology, scientific methods, and sector-specific resource management skills in a cooperative education format. Students will 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.

Possible areas of employment after completion of the BNRS degree include resource management and planning for government or industry, operational forestry, and teaching. In addition, the degree will qualify students for academic studies at the graduate level.

For students interested in certification by a professional association, TRU is seeking accreditation for selected specific courses from the Association of British Columbia Professional Foresters.

Completion of the BNRS degree fulfills the academic requirements of the B.C. Institute of Agrologists and Professional Biologists.

As well, students wishing to enter a teaching program at the secondary level can do so with an additional 6 credits of upper level biology courses. Please see the chairperson before planning electives.

TRU is an equal opportunity educational institution, and encourages applications from women, First Nations students, challenged students, visible minorities, and international students who wish to pursue a degree in Natural Resource Science.

Admission Requirements

Academic Requirements

B.C. Grade 12 or equivalent, or Mature student status or previous post secondary experience

1. B.C. English 12 with a minimum grade of "B" within the last 5 years, or LPI with at least level 4 within the last 2 years or completion of ENGL 060.
2. B.C. Biology 11 (or BIOL 050), Chemistry 11 (or CHEM 050), Principles of Mathematics 12 (or MATH 061). Students with Biology 12 (BIOL 060 or BIOL 062), Chemistry 12 (CHEM 060) and Physics 12 (PHYS 060) will be given preference.
3. A minimum cumulative GPA of 2.0 each year.

Documentation Required

1. Official transcripts of previous secondary and post-secondary educational records.
2. Proof of Citizenship or Landed Immigrant status.

Entry Levels, Promotion and Transfer Credit

Entry into the Program can be at the first, second or third year levels. There is no entry into the program at year 4. Promotion from year to year will require a minimum grade of C in all required NRSC, ENGL and BIOL courses.

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.

The transfer policy for BC Technology graduates is explained below.

Cooperative Education

Students may apply to enter a Co-operative Education option. Participation in Co-op may extend graduation by one year. Co-op Education integrates academic studies with paid periods of relevant work experience. The Co-op program allows students to gain first hand experience working in a variety of resource areas and participating employers get exposure to potential future employees. Securing a job placement in the Co-op program is competitive and the number of jobs available will depend on the number of participating employers. Students are not guaranteed job placement in any given work term.

Students must apply to participate in the Co-op program. Students will be chosen by a selection committee based on grades and completion of specific courses. Students must complete all registered first year courses, maintain a minimum GPA of 2.0 each year and maintain a minimum C in all NRSC, ENGL and BIOL courses. Applications from first year students may be considered.

For students interested in certification by a professional association, TRU is seeking accreditation for selected specific courses from the Association of British Columbia Forest Professionals.

Completion of the BNRS degree fulfills the academic requirements of the B.c. Institute of Agrologists and Professional Biologists.

As well, students wishing to enter a teaching program at the secondary level can do so with an with an additional 6 credits of upper level biology courses. Please see the chairperson before planning electives.

TRU is an equal opportunity educational institution, and encourages applications from women, First Nations students, challenged students, visible minorities, and international students who wish to pursue a degree in Natural Resource Science.

Students accepted into the Co-op program must participate in a "Working to Learn" course which offers instruction in job search skills and workplace professionalism. Refer to the Co-operative Education section of the calendar for detailed information on Co-op policies and procedures and tuition fees.

Bachelor of Natural Resource Science Sample Co-op Four -Year Time Pattern:

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

Bachelor of Natural Resource Science Sample Co-op Five-Year Time Pattern:

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

Limitation of Enrolment

All applications received by the deadline (March 1) will be evaluated on the basis of G.P.A. and additional documentation stating interest in natural resources and previous outdoor experience. Applicants must attach a resumé or cover letter to the Application form. Applicants will be notified if an interview is required.

Application Procedure

The required documentation is:

- $25.00 Application Processing Fee if you have never attended TRU
- A completed Application for Admission form and questionnaire
- Note: Applications Deadline is March 1
- Official transcripts of previous secondary and post-secondary courses or official interim grades

Please telephone the Admissions Department at (250) 828-5093 if you have any questions.

Course Requirements

Semester 1		Semester 2	
BIOL 111	Principles of Biology 1	BIOL 121	Principles of Biology 2
ENGL 110	Composition	COMP 100	Introduction to Information Technology
NRSC 112	Dendrology 1	ECON 190	Principles of Microeconomics
MATH 115	Calculus for the Biological Sciences 1	NRSC 122	Dendrology 2
		AGSC 220 or	Food Production at a Local Level and Beyond
NRSC 111	The Science & Management of Natural Resources	ENGL 111** or	Introduction To Prose Fiction
		* Elective	
Total 15 credits		Total 15 credits	

* see the department Chairperson before selecting an elective

** Students achieving a grade of B or higher in ENGL 110 will not be required to take ENGL 111. Students not taking ENGL 111 must take a 3 credit elective.

Semester 3		Semester 4	
BIOL 300	Biometrics	CHEM 151	Principles of Chemistry or CHEM 152
CHEM 150	Chemical Bonding & Organic Chemistry	ENGL 230	Critical Thinking & Writing for Science and Technology
NRSC 200	Introduction to Study of Soils	NRSC 211	Forest Mensuration
NRSC 210	Forest Ecology and Silvics 1	NRSC 220	Forest Ecology and Silvics 2
NRSC 223	Geographic Information Systems	NRSC 317	Ichthyology
Total 16 credits		Total 15 credits	

Semester 5		Semester 6	
NRSC 320	Silviculture	BIOL 303	Population Biology
NRSC 326	Limnology	*ECON 370	Benefit Cost Analysis
NRSC 402	Natural Resource Entomology	or *ECON 373	Forest Economics
NRSC 403	Natural Resource Pathology	NRSC 300	Diversity and Ecology of the Vertebrates
NRSC 413	Fire Ecology and Management	NRSC 311	Grassland Ecology
		NRSC 425	Tropical Field Studies or Elective
Total 15 credits		Total 15 credits	

Semester 7		Semester 8	
*ECON 371	Economics of the Environment	ANTH 121	Introduction to Cultural Anthropology
or *ECON 374	Land Use	NRSC 411	Watershed Management
NRSC 321	Range Management	NRSC 421	Conflict Resolution in the Natural Resources
NRSC 322	Wildlife Management	NRSC 423	Graduating Essay
NRSC 410	Fisheries Management	NRSC 425	Tropical Field Studies or Elective
NRSC 414	Policy & Planning		
NRSC 424 or Elective	Natural Resource Design		
1 Elective			
Total 15 credits		Total 15 credits	

* Must take one of ECON 371, 373, or 374.

Entry to Program for Technology Graduates

B.C. 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 111	BIOL 121
CHEM 150	CHEM 151
ECON 190	ENGL 230
NRSC 112	NRSC 122
NRSC 210	NRSC 220
NRSC 223	
19 credits	15 credits

Electives

There is a possibility of 15 elective credits 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.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Bachelor of Natural Resource Science Honours Program

Program Description

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 would receive the "With Honours' distinction on their degree, and assign to their name the title "BNRS (Hons.)."

It will be the responsibility of the student to approach faculty members regarding supervision. Department faculty will be under no formal obligation to supervise Honours students, and our departmental policy will be that faculty should supervise no more than two Honours students at a time. Thus, neither the Department of Natural Resource Sciences nor Thompson Rivers University will be 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.

Selection of Thesis Project

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.

Selection of the Thesis Examining Committee

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.

Admission Requirements

Students pursuing a BNRS degree normally will 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.

Requirements for Acceptance into the Program

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.

Course Requirements

Honours students will take the following courses in the last year:

Semester 7

NRSC 321	Range Management
NRSC 322	Wildlife Management
NRSC 410	Fisheries Management
NRSC 414	Policy and Planning
NRSC 424	Research Design
NRSC 498	Honours Seminar
NRSC 499	Honours Thesis
1 Elective	
Total: 17 credits	

Semester 8

ANTH 121	Introduction to Cultural Anthropology
or ANTH 214	Canadian Native Peoples
or ANTH 260	Minorities in the Modern World
or ANTH 219 in Fall	Ancient North Americans
NRSC 411	Watershed Management
NRSC 421	Conflict Resolution
NRSC 498	Honours Seminar
NRSC 499	Honours Thesis
1 Elective	
Total: 18 credits	
Minimum credits required to graduate with the BNRS (Hons) degree: 125	

Bachelor of Science Degree Program

Program Governance

Dean of Science

PRINS, LARRY, R.R.T. (Fanshawe), I.D. (Brit. Col.), M.A. (Gonzaga), Advanced R.R.T. (C.S.R.T.)

Chairpersons

BABINCHUK, WAYNE, B.Sc. (Sask.), M.Sc. (Brit. Col.), Chairperson, Computing Science
KLEIN, KEN, B.Sc. (Hons.), M.Sc. (Windsor), Geology, Chairperson, Physical Sciences
LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor
ROLLANS, SHANE, B.Sc., M.Sc. (Alta.), Ph.D. (Waterloo), Assistant Professor, Mathematics & Statistics

B.Sc. Program Advisor

LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor

Introduction

The Bachelor of Science program is a rigorous program that provides students with both depth and breadth in their science education and emphasizes the acquisition of communication skills and promotes computer literacy. The program also provides flexibility so that students may pursue interests in disciplines outside their area of specialization.

TRU offers three routes to a Bachelor of Science degree: a Major in a specific discipline or disciplines, an Honours program in a specific discipline (currently available only in Biology and Chemical Biology), or a General Science degree.

General Information

Admission Requirements:

Students entering the Bachelor of Science program are required to complete English 110, along with specific science courses, which vary depending on the student's intended major. (See below for details.) Prerequisites for English 110 are 73% on combined English 12 and Government exam in 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 060 or completion of ESAL 057 and ESAL 058 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 BSc programs are as follows:

Major	Prerequisites
Biology (all Majors) General Science Chemistry Environmental Chemistry	Biology 11 or 12 with C+ or better Chemistry 11 or Chem 050 Principles of Math 12 with C+ or better within the past 2 years or equivalent Physics 11 or Physics 113
Computing Science Mathematics Mathematical Sciences Physics	Chemistry 11 or Chem 050 Principles of Math 12 with C+ or better within the past 2 years or equivalent Physics 11 or Physics 113

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.

To ensure a good selection of courses, it is recommended that applicants apply as soon as possible after October 1.

Applicants should be aware that timetabling and registration workshops are available on-line (http://www.tru.ca) 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 for more information. Students intending to transfer to TRU or from TRU to other institutions should check the BC Transfer Guide (http://www.bccat.bc.ca) to ensure the courses taken will transfer.

Program Advising

Students in the first and second years of the B.Sc. program should choose their 100-200 level courses in consultation with Academic Advisors in order to meet the basic requirements and the specific prerequisite requirements for the 300-400 level courses for each Major. After completing 30 credits, but before completing 60 credits, students will be required to meet with the B.Sc. Advisor and declare a Major. The B.Sc. Advisor will assist each student in selecting 300-400 level courses to meet the graduation requirements for each Major. Computing Science students will meet with the Computing Science Advisor prior to meeting the B.Sc. Advisor for course planning.

Majors Program

The Bachelor of Science (B.Sc.) Majors 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 B.Sc. Majors 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, 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, the Optometry program in the School of Optometry at the University of Waterloo, the Chiropractic program at Canadian Memorial Chiropractic College and the 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, General Biology, Chemical Biology, Chemistry, Computing Science, Environmental Chemistry, Mathematics, Mathematical Sciences and Physics. Students wishing to enter a Major Program in these areas should meet with the B.Sc. Advisor for further information.

Students wishing to include a broader range of courses in a Major Program may be able to proceed in a B.Sc. 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.

Majors Program With a Minor

Students in the B.Sc. Majors 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 (300 and 400 level) courses are available.

A Minor in Management is available to students in the B.Sc. Majors program.

A Cross Disciplinary Minor in Archaeology and Geology (Geoarchaeology) is available to students in the B.Sc. program.

A Minor requires the completion of at least 30 credits and no more that 42 credits in the area of the Minor. At least 18 of these credits must be at the upper level. No more than three (3) 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 (1) of the upper level credits is in a laboratory course.

A minor in Archaeology and Geology must include:

1. 3 credits in first or second year Archaeology from; ANTH 111 or ANTH 119 or ANTH 219
2. 9 credits in third and fourth year Archaeology from; ANTH 305, ANTH 306, ANTH 326, ANTH 411, ANTH 420, ANTH 433
3. GEOL 111 or GEOG 112
4. GEOL 205 or BIOL 121 or GEOL 229
5. 9 credits in third and fourth year Geology from; GEOL 301, GEOL 303, GEOL 319, GEOL 425, GEOL 448

A minor in Management must include the following courses:

MATH 124	Calculus 2
STAT 200	Introduction to Statistics
or	
PSYC 210	Analysis of Psychological Data
or	
BUEC 232	Economics and Business Statistics 1
or	
BIOL 300	Biometrics
or	
SOCI 371	Introduction to Social Statistics
BBUS 221	Financial Accounting
BBUS 272	Organizational Behaviour
BBUS 312	Introduction to Financial Management
BBUS 343	Introduction to Marketing
BBUS 381	Introduction to Human Resource Management
One additional 300/400 BBUS course	
One additional 300/400 BBUS course	
One additional 300/400 BBUS course	

Students taking a Major in Mathematical Sciences cannot take a Minor in Computing Science.

A minor in Computing Science must include at least three of the required Computing Science courses selected from the following list: COMP 305, COMP 327, COMP 341, COMP 352, COMP 354, and COMP 361.

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 B.A. Advisor.

Students considering a Minor must plan their program very carefully and should complete during their first two years any lower level (100 and 200 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 Majors Program

Students in the B.Sc. program may complete Majors in two different disciplines. These may include two Science disciplines or one Science and one Arts discipline. (For example, Biology and Chemistry, Chemistry and Physics, Computing Science and Mathematics, Mathematics and Physics, Biology and English, 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.

B.Sc. Co-operative Education Degree Program

B.Sc. students majoring in Biology (Animal, General, Cellular, Molecular and Microbial, Ecology and Environmental Biology), Chemical Biology, Chemistry (Chemistry or Environmental Chemistry), Physics or Computing Science may apply to enter a Co-op Education option in their program. Co-op Education integrates academic studies with paid periods of relevant work experience and usually extends the graduation date by a year. Advantages of the Co-op option are that students get paid job experience in the field of their major and potential employers get exposure to potential future employees. Placement in the Co-op program is competitive, with most of the Co-op employers located outside of the Kamloops region. Students are not guaranteed job placement in any given work term.

Admission to the B.Sc. Co-op options is limited. Students will be chosen by a selection committee based on grades, completion of specific courses in the discipline, previous work and volunteer experience and a letter of application. Successful students will participate in a "Working to Learn" course that offers instruction in career development skills.

Biology Options

Applicants must maintain a cumulative GPA of 2.33 (minimum) in all B.Sc. degree courses. 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.

Biology Co-op Time Pattern

	Sept-Dec	Jan-April	May-Aug
Year 1	Academic Semester 1	Academic Semester 2	
Year 2	Academic Semester 3	Academic Semester 4	Co-op Work Term 1
Year 3	Academic Semester 5	Academic Semester 6	Co-op Work Term 2
Year 4	Co-op Work Term 3	Academic Semester 7	Co-op Work Term 4
Year 5	Academic Semester 8	Honours Thesis (if applicable)	Grad

Chemistry Options

Applicants must maintain a cumulative GPA of at least 2.33 in Chemistry courses and maintain a cumulative GPA of 2.33 (minimum) in all B.Sc. degree courses. 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.

Sample Chemistry/Environmental Chemistry Co-op Time Pattern

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

Physics Option

Applicants must maintain a cumulative GPA of 2.67 in B.Sc. degree courses. 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.

Physics Co-op Time Pattern

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

Computing Science Option

Applicants must have completed the computing courses detailed in the Co-operative Education section of the calendar with a C+. Students must complete three (3)co-op work terms to graduate with Co-op Option. Computing Science students normally apply in the fall semester of their second or third year.

Example of the Computing Science Co-op Time Pattern:

	Sept-Dec	Jan-April	May-Aug
Year 1	Academic Semester 1	Academic Semester 2	
Year 2	Academic Semester 3	Academic Semester 4	Optional Co-op Work Term
Year 3	Academic Semester 5	Academic Semester 6	Co-op Work Term 1
Year 4	Co-op Work Term 2	Academic Semester 7	Co-op Work Term 3
Year 5	Academic Semester 8	Grad	

Note: Other Co-op Time Patterns are available. Contact the Co-op office for more details.

For more details on the Co-op program, including fees, other costs, and other co-op time patterns refer to the Co-operative Education section of the Calendar. Application requirements and deadlines are announced at the beginning of each term.

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 and Mathematics, and specific requirements are listed under “Biology Majors and Honours Programs”, "Chemical Biology Major and Honours Program", and "Math Major and Honours Program".

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 B.Ed. Secondary Program to qualify for teaching in B.C. secondary schools. The degree can 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 (M.B.A.).

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'.

Lower Level Requirements (100- and 200-level courses)

Students in the B.Sc. in General Science must take (or have taken) 6 TRU credits of 100 level mathematics (calculus) and three credits of 100 level introductory courses in each of chemistry, computing science (specifically COMP 100 or COMP 113), 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 (300- and 400-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 B.Sc. 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.

Upper Level Requirements (300- and 400-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 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 B.Sc. 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.

Specific Course Requirements for Majors Programs

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 398-1 (Introduction to Research), CHBI 498-2 (Honours Seminar) and CHBI 499-6 (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 and required English courses.

First and Second Year	
CHEM 150/151 or 150/152	6 credits
BIOL 111/121 or BIOL 111/125/125L	6 credits
PHYS 110/120 or PHYS 115/125	6 credits
MATH 113/123, MATH 114/124 or MATH 115/125	6 credits
ENGL 110 or ENGL 111 (or two of ENGL 110, 111, 112, 114 or 121)[1]	3-6 credits
COMP 100 or COMP 113[2]	3 credits
CHEM 210/225	6 credits
CHEM 212/222	6 credits
CHEM 216	3 credits
BIOL 210/220	6 credits
BIOL 213/234	6 credits
ENGL 229 or 230[1]	3 credits
Electives	0-3 credits
Third and Fourth Year	
CHEM 310	3 credits
CHEM 317	1 credit
CHEM 322	3 credits
CHEM 324	1 credit
CHEM 445	3 credits
BIOL 300	3 credits
BIOL 313/323	6 credits
BIOL 335	3 credits
BIOL 415/425	6 credits
BIOL 352	3 credits
Chemical Biology Electives[3]	7-9 credits
Electives[4]	18-21 credits

[1] Students with a B or better in ENGL 110 or 111 may proceed into ENGL 229 or 230 in their second year; students with less than a B in first year English must take another 3 credits of 100-level English before their second year English requirement.

[2] Must be taken prior to third year.

[3] 5 or 6 credits from CHEM 306, CHEM 314, CHEM 323, CHEM 331, CHEM 333, CHEM 422, CHEM 432, CHEM 442, CHEM 448, CHEM 460, BIOL 320, BIOL 351, BIOL 354, BIOL 355, BIOL 435, BIOL 448, BIOL 449, PHIL 433 or 435.

[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 300 or higher.

Biology Majors and Honours Programs

There are four undergraduate options leading to a B.Sc. major in Biology at TRU: Animal Biology, Cellular, Molecular and Microbial Biology, Ecology and Environmental Biology, and General Biology.

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 398-1 (Introduction to Research), BIOL 498-2 (Honours Seminar) and BIOL 499-6 (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.

The following requirements for Biology Majors apply to those students entering first year science in 1997/98 (and subsequently). Requirements for students who entered first year prior to 1997/98 are noted.

Major In Animal Biology

First Year	
BIOL 111/121 or BIOL 111/125/125L	6 credits
CHEM 150/151 or 150/152	6 credits
COMP 100 or COMP 113[1]	3 credits
ENGL 110 or 111[2]	3 credits
(or two of ENGL 110 , 111, 112, 114 and 121)[2]	(6 credits)
MATH 113/123 or 114/124 or 115/125	6 credits
PHYS 110/120 or 115/125[3]	6 credits
Second Year	
BIOL 213/234	6 credits
BIOL 215/225	6 credits
CHEM 212/222	6 credits
ENGL 229 or 230[1,2]	3 credits
Electives[6]	6-9 credits
Third & Fourth Years	
BIOL 300	3 credits
BIOL 302/303	6 credits
BIOL 313[4]	3 credits
BIOL 335	3 credits
BIOL 354/355	6 credits
BIOL 413 or 414	3 credits
Animal Biology Electives[5]	15 credits
Electives[6]	21 credits

[1] Must be taken prior to third year. Students who entered first year Science prior to fall 1997 are not required to take COMP 100 or COMP 113 and ENGL 229 or 230 (although they may do so as electives); however 6 credits of ENGL at the 100 level are required.

[2] Students with a B or better in ENGL 110 or 111 may proceed into ENGL 229 or 230 in their second year; students with less than a B in first year English must take another 3 credits of 100-level English before their second year English requirement.

[3] Students with a grade of 80% or better in Physics 12 only need to complete 3 credits of first year Physics, PHYS 115. The remaining 3 credits may be taken in any subject area.

[4] Students entering third year of the Biology Majors program in 1998/99 (and subsequently) are required to take BIOL 313. Students with BIOL 223 are exempt.

[5] **Animal Biology electives: BIOL 310, BIOL 320, BIOL 323, BIOL 329, BIOL 331, BIOL 352, BIOL 402, BIOL 409, BIOL 410, BIOL 416, BIOL 427, BIOL 448, BIOL 449, NRSC 322, PHYS 330.**

[6] Electives must include 9-12 credits in at least two disciplines outside of science (other than English). The 18 remaining elective credits may be chosen from any discipline; at least 9 of these must be in courses numbered 300 or higher.

Major In General Biology

First Year	
BIOL 111/121 or BIOL 111/125/125L	6 credits
CHEM 150/151 or 150/152	6 credits
COMP 100 or COMP 113[1]	3 credits
ENGL 110 or 111[2]	3 credits
(or two of ENGL 110, 111, 112, 114 and 121)[2]	(6 credits)
MATH 113/123 or 114/124 or 115/125	6 credits
PHYS 110/120 or 115/125[3]	6 credits
Second Year	
BIOL 213/234	6 credits
three of: BIOL 210,211, 215, 220, 221, 225	9 credits
CHEM 212/222	6 credits
ENGL 229 or 230[1,2]	3 credits
Electives[6]	3-6 credits
Third & Fourth Years	
one or more of BIOL 210,211, 215, 220, 221, 225	3 credits
BIOL 300	3 credits
BIOL 302/303	6 credits
BIOL 313[4]	3 credits
BIOL 335	3 credits
two of BIOL 351, 352, 354, 355, BIOL 311/411 (or one of BIOL 350 or 353)	6 credits
BIOL 413 or 414	3 credits
Biology courses numbered 300 or above[5]	9 credits
Electives[6]	24 credits

[1] Students who entered first year Science prior to fall 1997 are not required to take COMP 100 or COMP 113 and ENGL 229 or 230 (although they may do so as electives); however 6 credits of ENGL at the 100 level are required.

[2] Students with a B or better in ENGL 110 or 111 may proceed into ENGL 229 or 230 in their second year; students with less than a B in first year English must take another 3 credits of 100-level English before their second year English requirement.

[3] Students with a grade of 80% or better in Physics 12 only need to complete 3 credits of first year Physics, PHYS 115. The remaining 3 credits may be taken in any subject area.

[4] Students entering third year of the Biology Majors program in 1998/99 (and subsequently) are required to take BIOL 313. Students with BIOL 223 are exempt.

[5] Courses can be selected from: BIOL 310, BIOL 320, BIOL 321, BIOL 323, BIOL 324, BIOL 329, BIOL 331, BIOL 343, BIOL 351, BIOL 352, BIOL 354, BIOL 355, BIOL 402, BIOL 409, BIOL 410, BIOL 411, BIOL 413, BIOL 414, BIOL 415, BIOL 416, BIOL 421, BIOL 425, BIOL 426, BIOL 427, BIOL 435, BIOL 448, BIOL 449, NRSC 322.

[6] Electives must include 9-12 credits in at least two disciplines outside of science (other than English). The 18 remaining elective credits may be chosen from any discipline; at least 15 of these must be in courses numbered 300 or higher.

Major In Cellular, Molecular and Microbial Biology

First Year	
BIOL 111/121 or BIOL 111/125/125L	6 credits
CHEM 150/151 or 150/152	6 credits
COMP 100 or COMP 113[1]	3 credits
ENGL 110 or 111[2]	3 credits
(or two of ENGL 110 ,111, 112, 114 and 121)[2]	(6 credits)
MATH 113/123 or 114/124 or 115/125	6 credits
PHYS 110/120 or 115/125[3]	6 credits
Second Year	
BIOL 213/234	6 credits
BIOL 210/220	6 credits
CHEM 212/222	6 credits
ENGL 229 or 230[1,2]	3 credits
Electives[5]	6-9 credits
Third & Fourth Years	
BIOL 300	3 credits
BIOL 313/323	6 credits
BIOL 321	6 credits
BIOL 335	3 credits
BIOL 352	3 credits
BIOL 411	3 credits
BIOL 413	3 credits
BIOL 421	3 credits
BIOL 425	3 credits
BIOL 435	3 credits
CMMB Electives[4]	6 credits
Electives[5]	18 credits

[1] Students who entered first year Science prior to fall 1997 are not required to take COMP 100 or COMP 113 and ENGL 229 or 230 (although they may do so as electives); however 6 credits of ENGL at the 100 level are required.

[2] Students with a B or better in ENGL 110 or 111 may proceed into ENGL 229 or 230 in their second year; students with less than a B in first year English must take another 3 credits of 100-level English before their second year English requirement.

[3] Students with a grade of 80% or better in Physics 12 only need to complete 3 credits of first year Physics, PHYS 115. The remaining 3 credits may be taken in any subject area.

[4] Courses can be selected from: BIOL 320, BIOL 331, BIOL 351, BIOL 415, BIOL 448, and BIOL 449

[5] Electives must include 9-12 credits in at least two disciplines outside of science (other than English). The 18 remaining elective credits may be chosen from any discipline; at least 9 of these must be in courses numbered 300 or higher. PHIL 433 is recommended. CHEM 215 and 225 are also recommended.

Major in Ecology and Environmental Biology

First Year	
BIOL 111/121 or BIOL 111/125/125L	6 credits
CHEM 150/151 or 150/152	6 credits
COMP 100 or COMP 113[1]	3 credits
ENGL 110 or 111[2]	3 credits
(or two of ENGL 110 , 111, 112, 114 and 121)[2]	(6 credits)
MATH 113/123 or 114/124 or 115/125	6 credits
PHYS 110/120 or 115/125[3]	6 credits
Second Year	
BIOL 213/234[4]	6 credits
One of BIOL 211/221	3 credits
One of BIOL 215/225	3 credits
CHEM 212/222	6 credits
ENGL 229 or 230 [1,2]	3 credits
Electives[6]	6-9 credits
Third & Fourth Years	
BIOL 300	3 credits
BIOL 302/303	6 credits
BIOL 313[4]	3 credits
BIOL 335	3 credits
two of BIOL 351, 352, 354, 355, 311/411 (or one of BIOL 350 or 353)	6 credits
BIOL 413 or 414	3 credits
Ecology Electives[5]	15 credits
Electives[6]	21 credits

1 Must be taken prior to third year. Students who entered first year Science prior to fall 1997 are not required to take COMP 100 or COMP 113 and ENGL 229 or 230 (although they may do so as electives); however 6 credits of ENGL at the 100 level are required.

2 Students with a B or better in ENGL 110 or 111 may proceed into ENGL 229 or 230 in their second year; students with less than a B in first year English must take another 3 credits of 100-level English before their second year English requirement.

3 Students with a grade of 80% or better in Physics 12 only need to complete 3 credits of first year Physics, PHYS 115. The remaining 3 credits may be taken in any subject area.

4 Students entering third year of the Biology Majors program in 1998/99 (and subsequently) are required to take BIOL 313. Students with BIOL 223 are exempt.

5 Ecology Electives:BIOL 310, BIOL 324, BIOL 329, BIOL 343, BIOL 402, BIOL 409, BIOL 410, BIOL 413, BIOL 414, BIOL 416, BIOL 426, BIOL 427, BIOL 448, BIOL 449, NRSC 322, PHYS 330.

6 Electives must include 9-12 credits in at least two disciplines outside of science (other than English). The 18 remaining elective credits may be chosen from any discipline; at least 9 of these must be in courses numbered 300 or higher.

Chemistry

First and second year requirements apply to students entering first year Science between Fall 1997 and Fall 2005. From Fall 2005 onward, CHEM 373 is required, which requires Biology 111 as a prerequisite, in addition to first year Chemistry and second year Organic Chemistry.

The TRU Major in Chemistry and Major in Environmental Chemistry are fully accredited by the Canadian Society for Chemistry.

Major in Chemistry

First and Second Years	
CHEM 150/151 or 150/152	6 credits
BIOL 111,[1,7]	3 credits
COMP 100 or COMP 113 [1]	3 credits
ENGL 110 or 111 [2]	3 credits
(or two of ENGL 110 , 111, 112, 114 and 121) [2]	(6 credits)
MATH 113/123 or 114/124 or 115/125	6 credits
PHYS 110/120 or 115/125	6 credits
CHEM 210/225	6 credits
CHEM 212/222	6 credits
CHEM 216	3 credits
MATH 211/212	6 credits
ENGL 229 or 230 [1,2]	3 credits
Electives [3]	6-12 credits
Third and Fourth Years	
CHEM 306	3 credits
CHEM 307	3 credits
CHEM 308L	1 credit
CHEM 310 [4]	3 credits
CHEM 312L[4]	1 credit
CHEM 314	3 credits
CHEM 322	3 credits
CHEM 323	3 credits
CHEM 324L	1 credit
CHEM 331	3 credits
CHEM 332	3 credits
CHEM 333L	1 credit
CHEM 373	3 credits
CHEM 440L	1 credit
Chemistry Electives:	
one of (Selected Topics):	3 credits
CHEM 407 [5]	
CHEM 409 [5]	
CHEM 422 [6]	
CHEM 432 [6]	
CHEM 460 [5]	
one of (Advanced Laboratory):	1 credit
CHEM 441L	
CHEM 442L	
CHEM 443L	
CHEM 444L	
one of:	3 credits
CHEM 301	
CHEM 302	
CHEM 303	
CHEM 448	
(or one additional of: CHEM 407, 409, 422, 432, 460)	
Electives [3]	24 credits

1 Must be taken prior to third year. Students who entered first year Science prior to Fall 1997 are not required to take COMP 100 or COMP 113 and ENGL 229/230 or the first year BIOL/GEOL courses. (Although they may choose to do so as electives).

2 Students with a grade of B or better in ENGL 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111 or 121) 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 300 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.

7 From Fall 2005 on, Biology 111 is required as a prerequisite for CHEM 373, which is also required.

Major in Environmental Chemistry

First and second year requirements apply to students entering first year Science between Fall 1997 and Fall 2005. From Fall 2005 onward, CHEM 373 is required, which requires BIOL 111 as a prerequisite, in addition to first year Chemistry and second year Organic Chemistry.

First and Second Years	
BIOL 111/121 or BIOL 111/125/125L	6 credits
CHEM 150/151 or 150/152	6 credits
COMP 100 or COMP 113 [1]	3 credits
ENGL 110 or 111 [2]	3 credits
(or two of ENGL 110 , 111, 112, 114 and 121) [2]	(6 credits)
MATH 113/123 or 114/124 or 115/125	6 credits
PHYS 110/120 or 115/125	6 credits
CHEM 210/225	6 credits
CHEM 212/222	6 credits
CHEM 216	3 credits
ENGL 229 or 230 [1,2]	3 credits
MATH 211	3 credits
STAT 200 [3] or BIOL 300 [3]	3 credits
Electives [4]	3-6 credits
Third and Fourth Years	
CHEM 301	3 credits
CHEM 302	3 credits
CHEM 306	3 credits
CHEM 307	3 credits
CHEM 308L	1 credit
CHEM 310 [5]	3 credits
CHEM 312L [5]	1 credit
CHEM 314	3 credits
CHEM 322	3 credits
CHEM 323	3 credits
CHEM 324L	1 credit
CHEM 331	3 credits
CHEM 332	3 credits
CHEM 333L	1 credit
CHEM 373 [8]	3 credit
Chemistry Electives:	
one of (Selected Topics):	3 credits
CHEM 407 [6]	
CHEM 409 [6]	
CHEM 422 [7]	
CHEM 432 [7]	
CHEM 460 [6]	
one of (Advanced Laboratory):	1 credit
CHEM 441L	
CHEM 442L	
CHEM 443L	
CHEM 444L	

Environmental Chemistry Electives:	
Six upper-level Science 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. Students who entered first year science prior to Fall 1997 are not required to take COMP 100 or COMP 113 and ENGL 229/230. (Although they may choose to do so as electives).

2 Students with a grade of B or better in ENGL 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111 or 121) 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 300 requires MATH 114/124 or MATH 115/125 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.

8 CHEM 373 is required for students entering the BSc program from Fall 2005 on.

Computing Science

The following requirements for Computing Science Majors apply to those students entering first year Science in 1997/98 (and subsequently). Requirements for students who entered first year prior to 1997/98 are noted.

Major in Computing Science

First and Second Years	
BIOL 111 or 121 [1] or GEOL 111 or 205 [1]	3 credits
CHEM 150 [3]	3 credits
COMP 113/123 [2] OR	6 credit
COMP 212	3 credits
ENGL 110 or 111 [4,5]	3 credits
(or two of ENGL 110 , 111, 112, 114 and 121) [4,5]	(6 credits)
MATH 113/123 or 114/124	6 credits
PHYS 110 or 115 [3]	3 credits
ENGL 229 or 230 [3,4]	3 credits
MATH 212	3 credits
COMP 220 (MATH 222)	3 credits
COMP 213/223	6 credits
STAT 200	3 credits
Elective [6]	15-19 credits
Third and Fourth Years	
COMP 305/327/341/352/361/491	18credits
Computing Science Electives [7]	18 credits
Electives [6]	24 credits

1 Students who entered first year Science prior to Fall 1997 are not required to take ENGL 229 or 230, or the first year BIOL or GEOL courses (although they may do so as electives).

2 Students intending to take the Major in Computing Science may take COMP 100 for credit only in Year 1 of degree.

3 Students who entered first year Science prior to Fall 1997 must complete 6 credits of first year Chemistry, CHEM 110/120 or 111/121 and 6 credits of first year Physics, PHYS 110/120 or 115/125.

4 Students with a B or better in ENGL 110 or 111 may proceed into ENGL 229 or 230 in their second year; students with less than a B in first year English must take another 3 credits of 100-level English before their second year English requirement.

5 Students who entered first year Science prior to fall 1997 must complete 6 credits of first year English from ENGL 110/111/121.

6 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 300 or higher.

7 Computing Science electives; For students who entered first year Science between Fall 1997 and Summer 2002: At least 2 electives must be selected from: COMP 327, COMP 332, COMP 371, COMP 411, COMP 412, COMP 432, COMP 434, COMP 448, COMP 451, COMP 461, COMP 475, COMP 482, COMP 483, COMP 498. The remaining electives can be chosen from: COMP 314, COMP 354, COMP 423, COMP 424, COMP 425, COMP 454, COMP 462, COMP 463.

For students who entered first year Science in Fall 2002 or later: At least 3 elective must be selected from: COMP 311, COMP 312, COMP 327, COMP 371, COMP 434, COMP 461, COMP 482. No more than 3 can be selected from: COMP 314, COMP 315, COMP 354, COMP 423, COMP 424, COMP 425, COMP 454, COMP 462, COMP 463, COMP 498.

For students who entered first year Science in Fall 2006 or later: Elective must be selected from: COMP 311, COMP 312, COMP 327, COMP 371, COMP 434, COMP 461, COMP 482, COMP 314, COMP 315, COMP 354, COMP 423, COMP 424, COMP 425, COMP 454, COMP 462, COMP 463, COMP 498

Note: Not all of these courses will be offered every year.

Mathematics

The following requirements for Mathematics Majors apply to those students entering first year Science between Fall 1997 and Summer 2004. Requirements for students who entered first year prior to Fall 1997 and after Summer 2004 are noted.

Major in Mathematical Sciences

The following requirements for the Mathematical Sciences Major apply to those students entering first year Science in 1997/98 (and subsequently). Requirements for students who entered first year prior to 1997/98 are noted.

First and Second Years	
BIOL 111 or 121[1] or GEOL 111 or 205[1]	3 credits
CHEM 150[3]	3 credits
COMP 113/123[2]	6 credits
ENGL 110 or 111[4, 5]	3 credits
(or two of ENGL 110 , 111, 112, 114 and 121)[4, 5]	(6 credits)
MATH 113/123 or 114/124	6 credits
MATH 170/270 [7]	6 credits
PHYS 110 or 115[3]	3 credits
ENGL 229 or 230[1, 4]	3 credits
MATH 211/212/220	9 credits
COMP 213/223	6 credits
STAT 200	3 credits
Elective[6]	6-9 credits
Third and Fourth Years	
MATH 224/303/307/340	12 credits
MATH 302	3 credits
COMP 305/352/452	9 credits
Two of: COMP 313/371/432/434/492	6 credits
STAT 305/306/404	9 credits
Electives[6]	24 credits

1 Students who entered first year Science prior to Fall 1997 are not required to take ENGL 229 or 230, or the first year BIOL or GEOL courses (although they may do so as electives).

2 Students intending to take the Major in Mathematical Sciences may not take COMP 100 for credit.

3 Students who entered first year Science prior to Fall 1997 must complete 6 credits of first year Chemistry, CHEM 110/120 or 111/121 and 6 credits of first year Physics, PHYS 110/120 or 115/125.

4 Students with a B or better in ENGL 110 or 111 may proceed into ENGL 229 or 230 in their second year; students with less than a B in first year English must take another 3 credits of 100-level English before their second year English requirement.

5 Students who entered first year Science prior to fall 1997 must complete 6 credits of first year English from ENGL 110/111/121.

6 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 300 or higher.

7 MATH 138/139 or COMP 138/139 may be substituted for MATH 170

Major in Mathematics

An Honours degree in Mathematics my 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.

First and Second Years	
BIOL 111 or 121[1] or GEOL 111 or 205[1]	3 credits
CHEM 150[2]	3 credits
COMP 113 and 123	6 credits
ENGL 110 or 111[3, 4]	3 credits
(or two of ENGL 110, 111, 112, 114 and 121)[3,4]	(6 credits)
MATH 113/123 or 114/124	6 credits
PHYS 110 or 115[2]	3 credits
ENGL 229 or 230[1, 3]	3 credits
MATH 170/270 [10]	6 credits
MATH 211	3 credits
MATH 212	3 credits
MATH 220	3 credits
MATH 224 or STAT 200[8]	3 credits
Electives [5,7]	12-15 credits
First registered in Science prior to Fall 2004	
Third and Fourth Years	
MATH courses numbered 300 or above[6]	24 credits
MATH, STAT or COMP courses numbered 300 or above[6]	6 credits
Electives[5]	30 credits
First registered in Science Fall 2004 and later	
Third and Fourth Years	
At least one of MATH 307 or MATH 322	3 credits
At least one of MATH 300 or MATH 320	3 credits
MATH courses numbered 300 or above[6]	21 credits
MATH, STAT or COMP courses numbered 300 or above[9]	9 credits
Honours in Mathematics	
Third and Fourth Years	
MATH 300, 307, 320, 322 and 495	18 credits
MATH courses numbered 300 or above	15 credits
MATH, STAT, or COMP courses numbered 300 or above[9]	9 credits
Electives[5]	24 credits

1 Students who entered first year Science prior to Fall 1997 are not required to take COMP 100 or 198, ENGL 229 or 230, or the first year BIOL or GEOL courses (although they may do so as electives).

2 Students who entered first year Science prior to Fall 1997 must complete 6 credits of first year Chemistry, CHEM 110/120 or 111/121 and 6 credits of first year Physics, PHYS 110/120 or 115/125.

3 Students with a B or better in ENGL 110 or 111 may proceed into ENGL 229 or 230 in their second year; students with less than a B in first year English must take another 3 credits of 100-level English before their second year English requirement.

4 Students who entered first year Science prior to fall 1997 must complete 6 credits of first year English from ENGL 110/111/121.

5 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 300 or higher. For Honours students, 12 must be numbered 300 or higher

6 COMP, MATH and STAT courses can be chosen from:
COMP 305, COMP 311, COMP 312, COMP 313, COMP 327, COMP 341, COMP 351, COMP 352, COMP 354, COMP 361, COMP 371, COMP 411, COMP 412, COMP 423, COMP 424, COMP 432, COMP 434, COMP 451, COMP 452, COMP 461, COMP 462, COMP 474, COMP 475, COMP 482, COMP 483, COMP 498

MATH 300, MATH 302, MATH 303, MATH 307, MATH 308, MATH 312, MATH 316, MATH 317, MATH 320, MATH 322, MATH 340, MATH 351, MATH 365, MATH 370, MATH 441, MATH 442, MATH 443

STAT 305, STAT 306, STAT 404

Note: Not all these courses will be offered every year.

7 Students interested in pursuing COMP 300- or 400 level courses must first complete COMP 213/223.

8 Students first registered in Science before Fall 2004 must take MATH 224, those first registered in Fall 2004 or after must take STAT 200

9 No more than 6 of these 9 credits may be in Computing Science.

10 MATH 138/139 or COMP 138/139 may be substituted for MATH 170

Physics

The following requirements for Physics Majors apply to those students entering first year between Fall 1997 and Summer 2003. Requirements for students who entered first year prior to 1997/98 are noted.

Major in Physics

First Year	
BIOL 111 or 121[1] or GEOL 111 or 205[1,2]	3 credits
CHEM 150/151 or CHEM 150/152	6 credits
COMP 100 or COMP 113 [1,2,3]	3 credits
ENGL 110 or 111[4]	3 credits
(or two of ENGL 110, 111, 112, 114 and 121)[5]	(6 credits)
MATH 113/123 or 114/124	6 credits
PHYS 110/120 or 115/125[5]	6 credits
Electives [6]	0-3 credits
Second year	
ENGL 229 or 230[2,4]	3 credits
MATH 211	3 credits
MATH 212	3 credits
MATH 224	3 credits
MATH 317	3 credits
PHYS 200	3 credits
PHYS 215	3 credits
PHYS 220	3 credits
PHYS 225	3 credits
Electives[6]	3 credits
First registered in Science prior to Fall 2004	
Third & Fourth Years	
PHYS 308	3 credits
PHYS 309	2 credits
PHYS 310	2 credits
PHYS 325	3 credits
PHYS 312 or MATH 316	3 credits
PHYS 313	3 credits
PHYS 412	3 credits
Physics Electives[7]	12 credits
Electives[6]	30 credits
First registered in Science Fall 2004 and thereafter	
Third & Fourth Years	
PHYS 308	3 credits
PHYS 309	3 credits
PHYS 310	3 credits
PHYS 312	3 credits
PHYS 316	3 credits
PHYS 320	3 credits
PHYS 325	3 credits
PHYS 340	3 credits
PHYS 440	3 credits
Physics Electives[7]	12 credits
Electives	21 credits

1 Students who entered first year Science prior to fall 1997 are not required to take COMP 100 or COMP 113, ENGL 229/230 or the first year BIOL or GEOL courses (although they may choose to do so as electives).

2 May be taken in first or second year.

3 COMP 113 is strongly recommended. Students intending to take the Physics Co-op program must take COMP 113.

4 Students with a B or better in ENGL 110 or 111 may proceed into ENGL 229 or 230 in their second year; students with less than a B in first year English must take another 3 credits of 100-level English before their second year English requirement.

5 Recommended course for students planning on a Major program

6 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 300 or above.

7 Physics Electives include:

PHYS 314	3 credits
PHYS 315	3 credits
PHYS 318 or PHYS 320	3 credits
PHYS 330	3 credits
PHYS 350	3 credits
PHYS 414	3 credits
PHYS 448	3 credits

Note: Not all upper level Physics courses are offered every year, but they will be alternated over a two-year period.

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.

Deadline For Application - April 15

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 B.Sc. program in either Major program(s) or the General Science program to the Admissions Department at TRU on or before 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 B.Sc. 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 300 and 400 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 Third Year

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 110, 111, 121 (depending on the grade obtained in the first English course taken) and ENGL 229 or 230
- 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 200-level science courses

Entry Into Fourth Year

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 For a B.Sc. Major Degree

Note: The following graduation requirements apply to students who entered first year Science PRIOR to the fall of 1997.

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 104, BIOL 105, BIOL 109, BIOL 360, CHEM 131, MATH 100, MATH 108, MATH 110, MATH 142, MATH 190, PHYS 113, 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 100 are also excluded.

2. At least 48 credits of Arts and Science courses must be in courses numbered 300 or above, and of these, at least 30 credits must be in Science (including Computing and Mathematics) courses. (See specific requirements for each Major program). The remaining upper level credits may be from any area of Arts or Sciences.

3. At least 72 credits must be in Science disciplines (Astronomy (excluding ASTR 113, 114 and 115), Biology, Chemistry, Computing Science, Geology, Mathematics, Physical Geography, Physics and Statistics). These must include the courses specified under each Major Degree Program. Normally, introductory courses must be completed during the first two years of the Program.

4. Specific upper level requirements for a Major Program are:
   - Chemical Biology: at least 39 credits of BIOL and CHEM courses numbered 300 or above
   - Animal Biology: at least 39 credits of BIOL courses numbered 300 or above
   - Ecology and Environmental Biology: at least 39 credits of BIOL courses numbered 300 or above
   - General Biology: at least 33 credits of BIOL courses numbered 300 or above
   - Chemistry: for students entering the BSc program prior to Fall 2005 at least 36 credits of CHEM courses numbered 300 or above. For students entering the BSc program Fall 2005 and after, at least 39 credits of CHEM courses numbered 300 or above.
   - Environmental Chemistry: for students entering the BSc program prior to Fall 2005 at least 39 credits of CHEM courses numbered 300 or above. For students entering the BSc program Fall 2005 and after, at least 42 credits of CHEM courses numbered 300 or above.
   - Computing Science: at least 36 credits of COMP courses numbered 300 or above
   - Mathematics: at least 30 credits of MATH courses numbered 300 or above (may include up to 6 credits of STAT or COMP [or CPSC] courses numbered 300 or above amongst these credits).
   - Mathematical Sciences: at least 12 credits of MATH courses, 15 credits of COMP (or CPSC) courses and 9 credits of STAT courses, all numbered 300 or above.
   - Physics: at least 31 credits of PHYS courses numbered 300 or above for students first registered in the BSc program before Fall 2004, at least 39 credits of PHYS courses numbered 300 or above for students first registered Fall 2004 and after

5. At least 18 credits must be in Arts or Humanities courses, including at least 6 credits from ENGL 110, 111, 112, 114 and 121 (i.e. any two of these three English courses).

Graduation Requirements For a B.Sc. in General Science

Note: The following graduation requirements apply to students who entered first year Science PRIOR to the fall of 1997.

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 104, BIOL 105, BIOL 109, BIOL 360, CHEM 131, MATH 100, MATH 108, MATH 110, MATH 142, MATH 190, PHYS 113, 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 100 are also excluded.

2. At least 48 credits of Arts and Science courses must be in courses numbered 300 or above, and of these, at least 30 credits must be in Science (including Computing and Mathematics) as referred to in 3 (c) below.

3. At least 72 credits must be in Science disciplines (Astronomy (not including ASTR 113, 114, or 115), Biology, Chemistry, Computing Science, Geology, Mathematics, Physical Geography, Physics and Statistics).
   - These must include:

   a. 24 credits of introductory science courses including:
      - Chemistry, (CHEM 110/120 or 111/121 or 110/125 or 111/125)(6 credits),
      - Mathematics, (MATH 113/123, 114/124 or 115/125)(6 credits)
      - Physics, (PHYS 110/120 or 115/125)(6 credits)

      and 6 credits of introductory science chosen from:
      - Astronomy (not including ASTR 113, 114, or 115), Biology, Computing Science, Geology, Physical Geography (eg. GEOG 112 and/or GEOG 122), and Statistics.
      - Normally these introductory courses must be completed during the first two years of the program.

b. Courses which are prerequisite to the 300-level courses referred to in 3(c) below.

(These courses must normally be taken during the second year of the program.)

Eighteen credits of Science courses numbered 300 or above in one of the areas of Chemistry, Biology, Geology, Mathematical and Computing Science or Physics and at least six credits in each of two of the other areas.

or

Eighteen credits of Science courses numbered 300 or above in each of two of the areas of Chemistry, Biology, Geology, Mathematical and Computing Science or Physics.

(See Alternatives 1 and 2 referred to earlier under "Upper Level Requirements.")

4. At least eighteen credits must be Arts or Humanities courses, including six credits from ENGL 110, 111, 112, 114 and 121 (i.e. any two of these three English courses).

5. It is strongly recommended that students take an introductory course in statistics, such as STAT 200. However, students pursuing the Life Sciences should note that STAT 200 precludes credit for BIOL 300. This course will contribute to the required 72 credits in Science referred to in item 3 above.

Graduation Requirements For a B.Sc. Degree (Major) and a B.Sc. Degree (General Science)

Note: The following graduation requirements apply to students who entered first year Science in the fall of 1997 or later, or who have transferred from another institution.

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 104, BIOL 105, BIOL 109, BIOL 360, CHEM 131, MATH 100, MATH 108, MATH 110, MATH 142, MATH 190, PHYS 113, 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 100 are also excluded.

2. At least 72 credits in Science disciplines (Astronomy (excluding ASTR 113, 114 and 115), 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 100 or EDCP 101. Students planning to take either of these courses must do so during their first or second year.

4. Specific lower level requirements:

   a. 24 (or 27*) credits of introductory science including:

      - 6 credits in Mathematics (MATH 113/123, MATH 114/124 or MATH 115/125)
      - 3 credits of Chemistry (CHEM 110 or CHEM 111)
      - 3 credits of Physics (PHYS 110 or PHYS 115)
      - 3 credits of Computing Science (COMP 100 or COMP 113) (Commencing in September 2001, students majoring in Computing Science must take COMP 198.)

      3 credits of Biology (BIOL 111 or BIOL 121 or BIOL 125/125L)

      or

      - 3 credits of Geology (GEOL 111 or GEOL 205)
      - 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

   b. 6 to 9 credits of English including:

      - 3 credits first year English with a grade of B or better (ENGL 110, ENGL 111, ENGL 112, ENGL 114, ENGL 121) or 6 credits of first year English

      and

      - 3 credits of second year English (ENGL 229 or ENGL 230)

   c. 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 300/400 level courses which are required in their chosen program.

1. Specific upper level requirements:

   At least 48 credits in courses numbered 300 or above including

   a. For a B.Sc. Degree (Major):

      - 30 to 41 credits in courses numbered 300 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

   b. For a B.Sc. Degree (Major) With a Minor:

      - meet the requirements of the B.Sc. Major

      and

      - 18 credits in courses numbered 300 or above in a discipline or approved area different from the Major.

      Some specific Minor programs are under development.

   c. For a B.Sc. Degree (General Science):

      - 18 credits in courses numbered 300 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 300 or above in each of two of the other areas listed above

      or

      - 18 credits in courses numbered 300 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 TRU Science courses that are planned to be offered in 2006/2007 are included in their disciplines in the Course Descriptions section of this Calendar.

However, these course listings are subject to change without notice; there is no guarantee that specific courses listed in the Course Descriptions section will be available in 2006/2007.

Laddering Into The B.Sc. Degree - An Option For Graduates of Technology Diploma Programs

Graduates of the TRU Respiratory Therapy Program (two didactic years and one clinical year) or the TRU Medical Laboratory Technology Diploma Program (one year of science, one didactic year and one clinical year) can receive a block transfer of 60 credits towards their B.Sc. degree. Graduates of the TRU Animal Health Technology Diploma Program (two didactic years) can receive a block transfer of 45 credits towards their B.Sc. degree.

To complete a B.Sc. degree, students receiving 60 block transfer credits will be required to complete between 63 and 72 additional credits, depending upon the specific Major requirements. Students receiving 45 block transfer credits will be required to complete considerably more than 72 additional credits. Some first and second year courses may need to be taken to satisfy science breadth requirements and to satisfy prerequisites for specific upper level courses.

Students wishing to pursue this option should discuss their program with the B.Sc. Advisor. Please make an appointment by calling (250) 828-5454.

Graduates of other diploma programs, including diploma programs from institutions other than TRU, will be assessed on a case-by-case basis to determine the number of credits that can be granted in a block transfer arrangement. Typically graduates of a program of three years duration (after grade 12) will be granted 60 credits of block transfer. Graduates of two year programs (after grade 12) **may** receive up to 45 credits, depending upon the program. See the B.Sc. Advisor for further details.

Graduates of diploma programs from other institutions must apply well in advance if they wish to be considered for block transfer credit. Applications must include a transcript(s) (or interim transcript) from the other institution(s), detailed course outlines for all courses taken at that institution(s), and statement of what major the applicant intends to pursue at TRU. This information must be submitted no later than March 31 for entry the following September and no later than August 31 for entry the following January. It is to the student's advantage to apply early.

The block transfer credits are awarded specifically for credit towards a TRU B.Sc. degree. TRU cannot guarantee that any or all of these credits will be recognized by other institutions to which the student may subsequently apply.

Post-Baccalaureate Diploma in Accounting

Do you already have a Bachelor of Science degree, but are uncertain of your future? Does an exciting and well paying career in financial management sound attractive? If you answered yes, then consider becoming a professional accountant and learn more about the new Post-Baccalaureate Diploma in Accounting. See the Bachelor of Business Administration section of this calendar for details.

Bachelor of Science in Nursing Program

Program Governance

Dean, School of Nursing
DUNCAN, SUSAN, R.N., B.S.N. (Alta.), M.S.N. (Brit. Col.), Ph.D. (Alta.)

Chairperson, Nursing
MURRAY, JEANETTE, R.N., B.S.N. (Toronto), M.A. (Gonzaga), Chairperson, Nursing

Program Description

This is a generic baccalaureate degree program which leads to a Bachelor of Science in Nursing and prepares the graduate for Canadian Nurse licensure as a registered nurse (RN).

The curriculum is developed collaboratively with seven other nursing education programs in the Province of British Columbia and Northwest Territories (Aurora College, Camosun College, Malaspina University-College, North Island College, UBC-Okanagan, Selkirk College and University of Victoria).

The Collaboration for Academic Education in Nursing (CAEN) curriculum facilitates transferability of students among these nursing education programs. CAEN is currently revising the curriculum for implementation in September 2007.

The purpose of the program is to educate 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 philosophy that reflects a commitment to consider the changing health care needs of our society. Emerging from the philosophy is the metaconcept 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.

Eighty students are accepted every September. All students are required to be student members of the College of Registered Nurses of British Columbia (CRNBC). This membership includes a Criminal Record Check conducted by CRNBC.

Contact the School of Nursing for scheduling details.

The 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. The program has been granted the maximum seven-year national accreditation from the Canadian Association of University Schools of Nursing in 2000 and CRNBC five year Recognition in 2007.

Students have practicum experiences throughout the four years of the program including a 4-6 week practicum experience during May/June or August. Practicum experiences occur in acute care hospital, extended care hospital, intermediate care hospital and other community health agencies and homes. Outlying agencies in the region may be used for clinical practice. Practicum courses may also include evening and weekend experiences. Students may be required to travel outside of Kamloops for practicum experiences.

To become a registered nurse, graduates are required to write and pass the Canadian Registered Nurse Examination (CRNE). Students applying for CRNE examination and registration are asked to provide information regarding any convictions for criminal offences (other than minor traffic violations). Candidates with criminal convictions may not be eligible for registration.

Admission Requirements

A selective admission process is used to determine admission to year one of the BSN Program. Specific criteria for the selection process will be made available to applicants. For further information refer to the School of Nursing webpage.

Minimum Criteria for Admission

a. Educational Requirements

1. B.C. Grade 12 or equivalent; or mature student status
2. B.C. Chemistry 11, Chemistry 050, or equivalent; C+ minimum grade
3. B.C. Math 11 (Principles), Math 050/051, or equivalent; C minimum grade
4. B.C. Biology 12, BIOL 060 or equivalent, C+ minimum grade
5. One other science at the Grade 11 or 12 level [Biology 050, Chemistry 060, Physics 050 or 060] or equivalent, C+ minimum grade.
6. 73% on the combined English 12 and Government exam (within the last 5 years), B minimum grade

   or Level 4, on the composition section of the Language Proficiency Index (within the last 2 years)

   or completion of English 060

   or completion of ESAL 057 and ESAL 058 with a grade of C+ or better.

b. General Requirements (upon acceptance)

1. Complete medical form
2. Complete immunization schedule
3. Canadian citizenship or landed immigrant status
4. CPR - Level C
5. WHMIS

College of Registered Nurses of British Columbia (CRNBC)

All students must be members of the College of Registered Nurses of British Columbia. The initial CRNBC student membership fee includes the Criminal Record Review (CRR) and CRR fee.

Application Procedure

Prospective students must submit a complete application to the program to be received no later than January 15, 2008 for the class of September 2008. The application should include evidence of meeting all program prerequisites. A selective admission process is used to determine admission to year one of the BSN program.

During the selective admission process a structured format is followed with all applicants being evaluated against the same criteria. Applicants are ranked according to their responses and/or documents in a number of categories designed to determine, for example, communication skills, motivation, knowledge of the profession, scholastics, etc.

Each applicant will be placed into the following categories:

a. Accepted

b. Wait listed

c. 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 may be required to pay their tuition fees up to four months prior to start of their program. Applicants have the right to appeal admission decisions. Appeal procedures are described in the Academic Information section of the calendar.

Special Admission Status

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 159/169 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 Chairperson, Nursing.

Applicants who have a valid combination of previous nursing education and experience, at least at the Licensed Practical Nursing or Registered Psychiatric 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 Chairperson of Nursing Programs for information.

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 the School of Nursing by telephone for individual counselling/advising.

Costs

- Tuition: See Fees (on page 8) section of calendar.
- $16.83 materials fee for courses shown with (L). (Subject to change.)

Nursing students are advised to budget for the following:

- Books, Manuals, etc., $1600 per year
- Stethoscope, $100
- Computer mouse, $20
- Uniforms (approximately), $200
- Scissors, $10
- White WCB approved footwear, $100
- Room and Board, as arranged by the student
- Travel Expenses, as arranged by the student
- Out of town travel and accommodation may be necessary for practice experiences
- Canadian Registered Nurse Examination Fee, $460 (subject to change). (At time of Graduation).
- Graduation Activities, As arranged by the student
- Graduation Pin (as preferred by student), $150
- CRNBC Student membership, approximately $75 initially; and $40 renewal annually
- Nursing Undergrad Society Annual Fees (approx. $25.00 per year)
- Criminal Record Review ≈ $20
- CPR fee every 2 years

Awards and Scholarships

Several awards have been generously made available to nursing students. Please refer to the Awards and Student Finance Guide.

Generic Program Requirements*

Semester 1	
NURS 115	Health I: Health Styles
NURS 116	Professional Growth 1: Nurses' Work
NURS 117	Self and Others I: Self Awareness
NURS 118	Nursing Practice 1
BIOL 159	Human Biology: Anatomy & Physiology I (L)
ENGL 110	Composition (or equivalent)
Semester 2	
NURS 125	Health 2: Facilitating Health and Healing in Families
NURS 127	Self and Others 2: Creating Health-Promoting Relationships
NURS 128	Nursing Practice 2 (L)
BIOL 169	Human Biology: Anatomy & Physiology 2 (L)
ENGL 111	Introduction to Prose Fiction (or equivalent)
NURS 138	Consolidated Practice Experience 1 (4 weeks) Spring/Summer
Semester 3	
NURS 218	Nursing Practice 3 (L)
NURS 219	Healing 1: Episodic Health Challenges
HLSC 259	Health Science 3
Elective #1	100T UT Student Choice
Semester 4	
NURS 226	Professional Growth 2: The Nursing Profession
NURS 228	Nursing Practice 4 (L)
NURS 229	Healing Workshop 2: Complex Episodic Health Challenges
HLSC 269	Health Science 4
NURS 238	Consolidated Practice Experience: 2 (4 weeks) Spring/Summer
Semester 5	
PHIL 231	Health Care Ethics
NURS 318	Nursing Practice 5
NURS 319	Health 3: Teaching and Learning for Prevention
HLSC 359	Healing/Health Sciences: Advanced Health Challenges
Semester 6	
NURS 341	Professional Growth 3 -: Nursing Inquiry
NURS 350	Health 4-Health Promotion & Community Empowerment
NURS 351	Nursing Practice 6
NURS 360	Professional Growth 4 - Research
NURS 317	Self & Others 3 - Reflection on Caring Practice
NURS 338	Consolidated Practice Experience 3 (6 weeks) Spring/Summer
Semester 7	
NURS 430	Professional Growth 5 - Nurses Influencing Change
NURS 431	Nursing Practice 7
NURS 438	Community Health Nursing
Elective	200+ UT Transfer, Interdisciplinary Course
Semester 8	
Any one of the following Groups:	
NURS 420	Health Transitions-Complex Health Challenges
NURS 421	Complex Episodic Nursing Practice
Or	
NURS 440	Health Transitions: Community Nursing
NURS 441	Community Nursing Practice
Or	
NURS 460	Health in Later Life (TRU Distance only)
NURS 461	Gerontological Nursing Practice (TRU Distance only)

*NURS and HLSC courses are currently undergoing revision. The new courses will be introduced, starting in Year 1, in September 2007. Please refer to the School of Nursing website (www.tru.ca/nursing/curriculum) for up-to-date information.

Students must complete two electives, one at the 100 U.T. level or higher and one at the 200 U.T. level or higher (for a total of 6 credits). Prior to entry into Semester 6 students must complete 6 credits English and a 100 Level U.T. elective.

Other Requirements

Students must complete CPR C (Basic Rescuer) and WHMIS prior to entering the program. Fees for this course are in addition to program tuition.

It is required that students have a current CPR 'C' prior to clinical experience and must maintain certification every 2 years throughout the program.

Students must be student members of CRNBC and must maintain the membership throughout the program. Registered Nurses entering the degree completion of the program must maintain active membership in CRNBC.

CPR and CRNBC will be monitored yearly.

Promotion Policy

Practice agencies may request students to provide a criminal record review prior to entering the practice setting (see information related to CRR). Students must achieve at least a C grade in each required course in the BSN 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 Nursing and/or Chairperson of Nursing 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 110, 111, PHIL 231, and one 3 credit elective prior to entering Semester 6 courses. It is highly recommended that students complete the English requirements prior to entry into Year 2.

Because of the importance of safety in nursing, students who fail to achieve a C in any NURS 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.

Advance Credit Policy

To receive advance credit (transfer credit) for any of the required courses in the Nursing Program, students must have a C (60%) minimum grade in that course. Required courses eligible for advance credit (transfer credit) will be included in the GPA calculation.

Grades for required courses taken at TRU prior to entry into the program will be calculated in the GPA.

Nursing Practice Experiences

Practice experiences will take place in local and regional hospitals and community health agencies. Students may be 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. A selection process based on student application exists for students requesting practice experiences out of Kamloops.

Graduation

The student will receive Thompson Rivers University BSN degree upon graduation. The degree does not qualify the graduate to undertake employment as a registered nurse, but graduates are eligible to write the Canadian Registered Nurse Examination. Contact Chairperson, Nursing for specific graduation requirements.

Completion Requirement

For students enrolled in the BSN program on a full time basis, program completion is expected within 7 consecutive years for BSN degree completion. Students will be assessed on an individual basis.

Degree students must apply to the TRU Registrar's office in November for permission to graduate and attend the convocation ceremony the following spring.

Failures and Repeats

Students who fail or withdraw from courses in the program may continue in the program subject to prerequisite requirements. Such students may then repeat the deficient courses in a subsequent year, subject to the availability of space.

Failing or withdrawing students should recognize that there is no guarantee of the opportunity to repeat. When the number of repeating student applicants for a program exceeds the number of available seats, the student(s) admitted will be those who achieved the highest ranking. 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 unlikely to be available. 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 Department 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.

Re-Admission

Students re-entering the program are required to:

1. Submit in writing to the Chairperson, Nursing, the intent to re-enter the Nursing Program four months prior to the anticipated re-entry.
2. Make an appointment to see the Chairperson, Nursing 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.

Post-Diploma BSN Degree

Post-Diploma B.S.N. Degree Program Goals:

1. Promote the development of knowledge and skills essential to promote the health of individuals, families, groups, or communities.
2. Increase the nurse's ability to think critically and clearly express ideas verbally and in writing.
3. Enhance the nurse's ability to provide leadership for change in a diverse and dynamic health care context.
4. Foster the nurse's appreciation of multiple ways of knowing related to nursing knowledge development and inquiry (e.g.: phenomenology, critical social, natural science) and enhance these ways of knowing in his/her nursing practice.
5. Facilitate individual achievement of professional development goals of the Registered Nurse.

Admission Requirements for Registered Nurses to access Degree completion

Admission to the Bridge-in component requires a separate application be sent to Admissions at TRU by April 1st and is based on meeting the following program requirements.

- Proof of CRNBC registration and active practising membership as a Registered Nurse in British Columbia which must be maintained for the duration of the program.
- Canadian citizenship, Landed Immigrant status or valid student permit issued by Canada (indicating TRU as a place of study).
- Satisfaction of the TRU English requirement, which can be met by any ONE of the following:
  1. A score of 80% or above on the BC Provincial Grade 12 English Examination within the last 3 years prior to admission, or LPI Level 5 within the last 2 years.
  2. Specific equivalency to TRU ENGL 110 (3 credits).

     Full-time students not exempted from the requirement must register in ENGL 110 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 BSN program in order to take NURS courses.

Credit Requirements

120 credits required.

75 transfer credits to the BSN program are to be awarded for a diploma in nursing.

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.

All credits earned towards Post-Diploma BSN degree must be at the 300 to 400 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 341 (or NURS 325 OLA)
- NURS 317
- NURS 350
- NURS 360
- NURS 430
- NURS 431
- HLSC 302 or equivalent (under review)

Complimentary credit courses are to be comprised:

- 20 credits of nursing or health science courses (300+)
- 6 credits electives (300+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 British Columbia Registered Nurses Association membership.
- Complete degree requirements in 6 years.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Bachelor of Social Work Degree Program

Program Governance

Dean, School of Social Work & Human Service

LARSON, GRANT, B.A. (Oral Roberts), B.S.W., M.A. (S.W.) (Calg.), Ph.D. (Texas)

Chairperson

ROBERTSON, JEANETTE, B.S.W. (Calg.), M.S.W. (U.Vic.), Assistant Professor, Chairperson, BSW Program

Coordinator, BSW Program, TRU

ARCHIBALD, PATRICIA, B.A., M.S.W. (Dalhousie), Dipl. Ed. (Brit. Col.), Assistant Professor, Coordinator, BSW Program

Acting Coordinator, BSW Program, NVIT

WILLIAM, GERRY, B.A. (U.Vic.), Ph.D. (Union Institute & University), Acting Coordinator, BSW Program, NVIT

Program Description

The Bachelor of Social Work 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 development of knowledge, skills, and values necessary to work in collaborative and anti-oppressive ways. The Program delivers social work education that identifies and eradicates barriers that prevent people from reaching their full potential. The Program is committed to social work education that integrates and incorporates Aboriginal perspectives.

Program graduates find employment in small cities, as well as in rural and northern communities in British Columbia and across Canada. Employment opportunities exist in a wide variety of government and voluntary organizations such as family and children's services, child welfare, mental health services, hospitals, women's services, crisis services, corrections and First Nations' social services.

The BSW Program is fully accredited by the Canadian Association for Social Work Education.

Nicola Valley Institute of Technology Program

A TRU BSW degree program is offered at NVIT in Merritt. 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 TRU 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

The BSW program admits approximately 50-60 full and part-time students to TRU and 15 students to NVIT each fall. There are separate application packages for the TRU and NVIT programs. Students are admitted to the third year of the program with a minimum of 54 credits of transferable academic coursework.

TRU BSW Program application deadlines:

- Early admission - last Friday in January
- Late admission - last Friday in March
- Open admission - late applications may be considered if there are open seats available.

NVIT BSW Program application deadlines:

- Early admission - last Friday in January
- Late admission - last Friday in March

A. Equity Admissions

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, 25% of seats in the TRU BSW program are reserved each year for students from groups including, but not limited to, Aboriginal people, persons of colour, gay and lesbian persons, and persons with disabilities. Students admitted to these reserved seats must meet all requirements for admission to the TRU BSW program.

B. Academic Requirements for Admission

1. Minimum of 54 credits of general university studies which may include a combination of Human Service Certificate/Diploma courses and liberal arts and social science courses.
2. Minimum TRU GPA of 2.33 (c+) or equivalent from another college or university;
3. Minimum TRU GPA of 2.67 (B-) or equivalent for Human Service Certificate/Diploma courses;
4. Completion of Social Work 200A and Social Work 200B or equivalent;
5. Completion of 3 credits of academic English composition (ENGL 110 at TRU) or 6 credits of English literature.
6. Applicants to the BSW Program at NVIT must complete a human development requirement prior to admission (e.g. PSYC 213/223).

C. Additional Information

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.

D. Admission Decisions

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.

E. Admission Procedures

Applications to the TRU BSW program are available from the Academic Admissions Office at TRU.

F. Start Date

All students offered admission and fulfilling the requirements of completing 54 credits and having completed SOCW 200A & SOCW 200B will start in the Fall Semester (September).

Program Requirements

1. Completion of the TRU 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.
2. 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.
3. Students are required to adhere to the BCASW Code of Ethics during their participation in this program.
4. 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.
5. Internet access to the World Wide Web will be required of students in some social work courses, and for correspondence within the BSW Program.

Course Schedule

The BSW Program offers two semesters with some summer course offerings:

- Fall
- Winter
- Summer - 3rd and 4th year field at TRU and a six week semester at NVIT

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 355 in year three of the TRU BSW Program or PSYC 213/223 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. Summer practicum is not available at NVIT.

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

Course	Description
SOCW 200a	Introduction to Social Work Practice
SOCW 200b	An Introduction to Social Welfare in Canada
SOCW 300	Canadian Social Policy
SOCW 301	Introduction to Social Work Research
*SOCW 304	Social Work Field Practice I
SOCW 306	Theory and Ideology of Social Work
SOCW 353	Social Work Practice with Individuals
SOCW 354	An Introduction to First Nations Issues and Human Services
SOCW 355	Human Development
*SOCW 402	Social Work Field Practice II
*SOCW 454	Aboriginal Decolonizing Social Work Practice

* Pre-requisites are required to take this course.

Social Work Core Courses - NVIT

Course	Description
SOCW 200a	Introduction to Social Work Practice
SOCW 200b	An Introduction to Social Welfare in Canada
SOCW 301	Introduction to Social Work Research
SOCW 304	Social Work Field Practice I
SOCW 306	Theory and Ideology of Social Work
SOCW 310	Aboriginal Life Cycles
SOCW 311	Aboriginal Perspectives on Social Policy
SOCW 353	Social Work Practice with Individuals
SOCW 375	Cultural Immersion
SOCW 402	Social Work Field Practice II
SOCW 404	Ethical Practice in Aboriginal Communities
SOCW 454	Aboriginal Decolonizing Social Work Practice
SOCW 456	Decolonizing Practice II

Social Work Elective Courses

Course	Description
SOCW 330	International Field Studies
SOCW 357	Social Work, Law and Social Policy
SOCW 359	Advanced Social Work Practice with Individuals
SOCW 376	Child Welfare Practice
SOCW 420	Family Violence and Social Work Practice
SOCW 430	Sexual Diversity and Social Work Practice
SOCW 440	Social Work and Mental Health
SOCW 450	Leadership Practice in Social Service Organizations
SOCW 452	Educating for Social Change
SOCW 455	Social Work Practice with Communities
SOCW 460	Special Topics in Social Work
SOCW 461	Social Work Practice With Groups
SOCW 465	Older People, Aging and Society
SOCW 466	Addictions and Social Work Practice
SOCW 476	Family and Child Welfare Policy
SOCW 477	Family Practice
SOCW 478	Introduction to Disability Studies
SOCW 490	Directed Studies

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Bachelor of Technology in Applied Computing Science Degree Program

Program Governance

Dean, School of Advanced Technologies and Mathematics
NOAKES, DONALD, B.Sc. (Eng.) (Guelph), M.Sc., Ph.D. (Waterloo), P.Eng., Professor

Chairperson
BABINCHUK, WAYNE, B.Sc. (Sask.), M.Sc. (Brit. Col.), Chairperson, Computing Science

Program Advisor (Coordinator)
BABINCHUK, WAYNE, B.Sc. (Sask.), M.Sc. (Brit. Col.), Chairperson, Computing Science
Room: OM 2831, Phone: (250) 828-5077

General

The purpose of the four-year Bachelor of Technology in Applied Computing Science (BTACS) Degree is to offer a comprehensive foundation that will permit graduates to adapt to new technologies and ideas spanning the range from theory to programming. In particular, the program will:

- Prepare 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 BTACS program.

Admission to the BTACS Program occurs primarily at the first or third year level, although admission at the second or fourth year year is possible. The four categories for admission are:

1. Entry from the CSOM Program at TRU (or equivalent) with a minimum 2.33 GPA.
2. Entry from Arts, Business, Education, Engineering, and Science with a minimum 2.33 GPA.
3. Professional entry with a suitable combination of relevant work experience in the information technology field and post-secondary study, as determined by the BTACS Coordinator (Program Advisor).
4. High school graduates.

Admission Requirements

General Admission Requirements

First Year Entry

To be considered for admission to BTACS, students must have completed:

1. Principles of Math 12 with C+ or better within the past 2 years or equivalent
2. English 12 with:

   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 060

   or completion of ESAL 057 and ESAL 058 with a grade of C+ or better.

Third Year Entry

To be considered for admission to the BTACS Degree Program at the third year level, students must have completed 48 TRU credits (or equivalent) as follows:

1. Core Requirements (24 credits):
   - 6 computing courses (COMP 113, COMP 123, COMP 213, COMP 138, COMP 139, COMP 223 or equivalents)
   - 2 English (ENGL 110, ENGL 229 or equivalents, or ENGL 181, ENGL 193 or equivalents)
2. Breadth Coverage (12 credits)
   - 4 non-computing courses, one of which must be outside of science
3. Unspecified Lower Level (12 credits)
   - 4 courses at the first year level or higher.

It is anticipated that not all students seeking third year entry will meet all of the BTACS 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 BTACS coordinator for further details.

Admission from CSOM Diploma Program

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 (8 courses – 24 credits)		
6 Computing courses	4 (COMP 113, COMP 123, COMP 138, COMP 139)	2 (COMP 223, COMP 213)
2 English	2 (ENGL 181, ENGL 193)	
Breadth Coverage (4 courses - 12 credits)		
1 non-science course	ACCT 100	
3 non-computing courses	None	3 courses
Unspecified (8 courses - 24 credits)	all	None

Application

1. Applications should be obtained from, and filed with, the Admissions Office. The following documents must be included with all applications:
   - official transcript of all previous secondary and post-secondary education;
   - proof of citizenship, landed immigrant status, or valid student visa
2. Application Dates:

   October 1 to April 15 For fall semester admission

   October 1 to November 3 For winter semester admission
3. Applications will be assessed by the Admissions Office. Assessments will be reviewed by the BTACS Program Coordinator who will be responsible for assessing the academic qualifications of the applicant.
4. Applicants are required to meet with the BTACS Program Coordinator in order to create a program guide that will outline the courses needed to complete the degree.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Double Degrees (BTACS and BBA)

General

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. This will not take eight years of study (four years for each degree) as 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 these two degrees in just five years.

Admissions Requirements

- B.C. Grade 12 or Mature Student Status
- B.C. English 12 with a minimum 73% in the last 5 years; or LPI Test with Level 4 or better within the last 2 years; or completion of English 060; or completion of ESAL 057 and ESAL 058 with a grade of C+ or better; or minimum TOEFL score of 570 paper (230 computer); or minimum IELTS of 6.5; or minimum CAEL score of 70
- B.C. Math 12 or Math 061 with a C+ or better

Students may commence their studies while they upgrade their English and Mathematics. Admission to both the BTACS and BBA degrees occurs at the 1st year level.

Program Requirements

Students are encouraged to refer to the Bachelor of Business Administration and Bachelor of Technology in Applied Computer Science sections of this calendar for the specific requirements of each degree program.

For students entering directly into the BTACS/BBA degrees with no previous university education, the recommended program schedule would consist of:

Lower Level Requirements		
No.	**Course**	**Credits**
1	ENGL 110 or ENGL 111	3
2	ENGL 229	3
3	ECON 190	3
4	ECON 195	3
5	MATH 107 or MATH 114	3
6	MATH 117 or MATH 124	3
7	BBUS 137	3
8	BBUS 221	3
9	BBUS 254	3
10	BBUS 272	3
11	BUEC 232	3
12	BUEC 233	3
13	BBUS 238	3
14	BUEC 204	3
15	Humanities Elective #1	3
16	Humanities Elective #2	3
17	Social Sciences Elective #1	3
18	Social Sciences Elective #2	3
19	COMP 113	3
20	COMP 123	3
21	COMP 213	3
22	COMP 223	3
23	COMP 138 or MATH 138	3
24	COMP 139 or MATH 139	3
	Total	72

Upper Level Requirements		
No.	**Course**	**Credits**
1	BBUS 303	3
2	BBUS 312	3
3	BBUS 331	3
4	BBUS 343	3
5	BBUS 351	3
6	BBUS 381	3
7	BBUS 393	3
8	BBUS 478	3
9	COMP 327	3
10	COMP 341	3
11	COMP 352	3
12	COMP 354	3

13	COMP 361	3
14	COMP 491	3
15	Computing Elective #1	3
16	Computing Elective #2	3
17	Computing Elective #3	3
18	Computing Elective #4	3
19	Computing Elective #5	3
20	Computing Elective #6	3
25-30	Business Major or General BBA	15-30
	Total	75-90

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, 400-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 112 (on page 39), 122, 204, or 275), Political Studies, Psychology (excluding PSYC 210) 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 BTACS 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 BTACS or BBA Advisors to determine the exact courses to take.

Degree Requirements

General Requirements

1. The student must have completed 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 maintain a GPA of at least 2.0 (C) in each semester of study.
3. The student must earn a grade of C or better in all prerequisite courses.
4. A student whose semester GPA is 1.5 or below, will be required to permanently withdraw from the program immediately.
5. A student whose semester GPA falls below 2.0, but is above 1.5, will be placed on academic probation for the next semester, and will not be allowed to take more than 3 courses while on probation. The student may also incur additional academic restrictions or be required to withdraw from the program.
6. If the student does not succeed in obtaining a GPA of at least 2.0 in the probationary semester, the student will be required to withdraw from the BTACS program immediately.
7. The student must notify the program Advisor, in writing, of her/his intent to graduate. Notification must take place prior to the add/drop deadline in the final semester of degree study.
8. Any course duplication (repeating a course) will require prior approval of the BTACS Program Advisor. Normally, no more than 3 courses may be duplicated; only one duplication of a single course will be allowed. The highest grade achieved in duplicated courses will be used for post-admission CGPA calculations, but the student's record will show all attempts.

Specific Course Requirements

First and Second Years	
COMP 113, 123, 213, 223 (or equivalents)	12 credits
COMP 138 and 139 (or equivalents)	6 credits
ENGL 110 and ENGL 229 (or equivalents)	6 credits
Non-computing Science electives	9 credits
Any academic course	24 credits
Non-science elective	3 credits
Third and Fourth Years	
COMP 327, 341, 352, 354, 361, 491	18 credits
Upper Level Computing Electives	18 credits
Upper Level Electives	9 credits
Any academic courses	15 credits

Program guides will be developed for each student enrolled in the BTACS Program. These guides list all BTACS 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 BTACS, or, if approved by the BTACS Coordinator, during the first semester of study.

Sample Course Sequence

First Year Entry

First year	
Fall Semester	
COMP 113	Computer Programming 1
COMP 138	Discrete Structures 1
ENGL 110	Composition
NS Elective	Non-science elective
NC Elective	Non-computing science elective
Winter Semester	
COMP 123	Computer Programming 2
COMP 139	Discrete Structures 2
ENGL 229	Business and Technical Writing
NC Elective	Non-computing science elective
NC Elective	Non-computing science elective
Second year	
Fall Semester	
COMP 213	Intro to Computer Systems
COMP 223	Data Structures & Algorithms
Elective	Any academic course
Elective	Any academic course
Elective	Any academic course
Winter Semester	
Elective	Any academic course
Elective	Any academic course
Elective	Any academic course
Elective	Any academic course
Elective	Any academic course

Third Year Entry

Third year	
Fall Semester	
COMP 327	Computer Networks
COMP 354	Web Design & Programming
COMP 361	Database Systems
UL Elective	Upper Level Elective
Elective	Any academic course
Winter Semester	
COMP 341	Operating Systems
COMP 352	Software Engineering
COMP XXX	Upper Level Computing Elective
UL Elective	Upper Level Elective
Elective	Any academic course

Fourth year	
Fall Semester	
COMP XXX	Upper Level Computing Elective
COMP XXX	Upper Level Computing Elective
COMP XXX	Upper Level Computing Elective
UL Elective	Upper Level Elective
Elective	Any academic course
Winter Semester	
COMP 491	Computing Science Project
COMP XXX	Upper Level Computing Elective
COMP XXX	Upper Level Computing Elective
Elective	Any academic course
Elective	Any academic course

Co-operative Education Option

Co-operative Education is an optional component in the Bachelor of Technology in Applied 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 Designation (see below). Participation in the co-op option delays the graduation date.

Students entering BTACS in third year must complete 2 co-op work terms to graduate with Co-op Designation while those entering before third year must complete 3 work terms.

BTACS 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 BTACS. Students who have completed the CSOM diploma prior to BTACS may apply to do a work term prior to the start of their first BTACS 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 2.33 (C+) grade point average. In addition, participation in the Working to Learn (WTL) seminar series is mandatory to maintain eligibility. WTL topics include resumes, cover letters, interview skills, effective behaviours on the job and the Co-operative Education process.

Note: Other Co-op Time Patterns are available. Contact the Co-op office for more details.

Entry into BTACS prior to third year: 3 work terms required

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

Third year entry into BTACS: 2 work terms required

	Sept-Dec	Jan-Apr	May-Aug
Pre BTACS	Conditionally Admitted to BTACS	Optional Co-op Work Term	Optional Co-op Work Term
Year 3	Academic Semester 1	Co-op Work Term 1	Co-op Work Term 2
Year 4	Academic Semester 2	Academic Semester 3	Optional Co-op Work Term
Year 5	Optional Co-op Work Term	Academic Semester 4	Grad

Bachelor of Tourism Management Degree (BTM)

Program Governance

Dean, School of Tourism

TWYNAM, G. DAVID, B.Phys.Ed. (U.N.B.), M.Sc., Ph.D. (Oregon)

Chairperson, Tourism Management Department

HOOD, ROBERT, B.Phys.Ed. (Calg.), M.S., Ph.D. (Illinois), Assistant Professor, Chairperson, Tourism Management

Program Coordinator

HEER, JARITA, B.T.M. (T.R.U.)
(250) 828-5366

Program Description

The BTM is a 4 year degree that provides a solid foundation for the management of tourism businesses. Students have a choice of 3 majors---Adventure Studies, Entrepreneurship, and Management. These majors and corresponding minors are described in more detail ahead.

The 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.

There are increasing numbers of international students in the program, and a growing number of international opportunities for meeting degree requirements. The program works closely with the TRU Study Abroad Office and is actively engaged in developing partnerships with universities worldwide.

The program caters to students entering first year, and to students transferring from other programs across Canada. It is common for students to enter the BTM in year 3 after completing a 2-year tourism or business-related diploma. The following describes admission requirements, application procedures, and details of the 3 majors noted above.

Admission Requirements

You must achieve the following to be accepted into the BTM:

High School Graduation

- B.C. Grade 12 or equivalent or mature student status

English

- B.C. English 12 and Government exam with a combined grade of 73% or better within the last 5 years
- **OR** completion of ENGL 060 (University level English 12 equivalent)
- **OR** Language Proficiency Index (LPI) with a Level 4 or better within the last 2 years
- **OR** completion of ESAL 057 and ESAL 058 with a minimum grade of C+
- **OR** equivalent

Mathematics

- B.C. Principles of Math 11 with C or better
- **OR** Applications of Math 12
- **OR** MATH 051 with a minimum grade of C

Students with B.C. Principles of Math 12 with C+ or better will be exempt 1st Year Math (MATH 110)

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. This course can be used as an elective prior to taking COMP 291 - Computer Applications in Business (a requirement in the BTM).

Application Procedure and Documentation

Applications are obtained from the Admission's Office. Please refer to the General Information (on page 5) section of this calendar for the admission policies or visit (http://www.tru.ca/admreg/index.html). The following documentation must be included with all applications:

1. Official transcripts of all previous secondary and post-secondary educational records.
2. Proof of citizenship, landed immigrant status, or valid student visa.
3. A detailed resume outlining educational accomplishments and credentials, work and volunteer experience, and personal interests and activities.
4. If requesting exemption from the Field Work requirements, (see Work Experience and Co-op) submit letters of reference confirming the nature, length, and quality of your work experience.

Exemptions and Advanced Credit

Students who have passed Tourism 11 and Tourism 12 in high school receive credit for TMGT 111.

Program Planning and Advising

Once accepted to the BTM program, students are required to plan their program with assistance from the BTM Program Coordinator, Jarita Heer (jheer@tru.ca). A Student Program Plan can be downloaded from the School of Tourism website (http://www.tru.ca/tourism/management/downloads.html).

Prior to meeting with the Program Coordinator, students must organize their schedule for the academic year. A sample of course sequencing is attached to the Student Program Plan.

Work Experience and Co-op

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 a minimum of two four-month Co-op work terms as part of their studies in the BTM. Cooperative education is the integration of academic studies with paid work terms related to the student's studies. There is a charge for each Co-op term and orientations to familiarize students on the Co-op option are held in September. Visit the Co-op Office or their website at http://tru.ca/coop/ (http://tru.ca/coop/index.php) for more information.

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

BTM Co-op Time Pattern (Two Co-op Work Terms)

	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

*Choose two of the three May-Aug terms.

In order to be considered for the Co-op option, BTM students must:

- Complete a minimum of 30 credits in the BTM.
- Maintain a minimum GPA of 2.33.

Prior Learning Assessment and Recognition (PLAR)

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.

A learner requesting PLAR must normally be admitted to TRU before the PLAR process will be commenced. A maximum of twenty-five percent of the credits required in the program can be awarded to prior learning. Please refer to TRU Policy ED-2-0 for more information about the PLAR process.

Transfer Credit

Applicants who have previous credits in appropriate university or college courses may apply them toward the requirements of the degree.

A maximum of fifty percent of the program credit requirements can be fulfilled by transfer credit. Please refer to TRU Policy ED-2-4 for more information about the Transfer Credit process.

Program Requirements

Students must:

1. Maintain an overall CGPA of at least 2.00 (C average overall). The CGPA will be calculated based on total grade points earned divided by the total credit attempts for all courses.
2. In order to earn a TRU BTM degree, at least fifty percent of the course work counted toward completion of the requirements for the degree must be completed at Thompson Rivers University.

   In addition, at least 50% of courses at the 300 and 400 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.
3. To remain in the BTM program after admission:
   - Students must maintain a cumulative CGPA of at least 2.00;
   - Students cannot repeat a course more than twice; and
   - Students failing to meet the CGPA requirements will be placed on a learning contract.

Program Content

Year 1 and Year 2 (lower level requirements) (60 credits):

The first two years focus on knowledge and skills essential for professional preparation: writing and communicating effectively, skills for effective business management, and knowledge about tourism as a growing industry. These courses provide the foundation for the 3 majors: Adventure Studies, Entrepreneurship, and Management. There are 4 electives and students are advised to select their electives wisely depending on their major and the option for including a minor area of study.

English (6 credits)	
ENGL 181 and ENGL 192 or ENGL 110 and ENGL 111	Business, Professional and Academic Composition and Professional Presentation/Communication or Composition and Introduction to Prose Fiction
Mathematics (3 credits)	
MATH 110	Finite Mathematics with Applications (students with C+ or better in Principles of Math 12 are exempt from this requirement but must make up 3 credits)
Statistics (3 credits)	
STAT 120 or BUEC 232	Introduction to Statistics or Economic and Business Statistics
Computing (3 credits)	
COMP 291	Computer Applications in Business
Organizational Behaviour (6 credits)	
TMGT 114 and TMGT 116 or BBUS 272	Human Resources Management and Organizational Leadership in Tourism or Organizational Behaviour
Marketing (6 credits)	
TMGT 115 and one of CONV 125 or CONV 219 or HMGT 212	Marketing and Customer Service and one of Sports Event Marketing or Destination Marketing Organizations or Hotel Sales and Service
Accounting (6 credits)	
ACCT 100 and ACCT 101 or BBUS 221 and BBUS 254	Financial Accounting and Management Accounting or Financial Accounting and Management Accounting
Economics (6 credits)	
ECON 190 and ECON 195	Microeconomics and Macroeconomics
Introduction to Tourism (3 credits)	
TMGT 111	The Tourism Industry
Hospitality/Business Law (3 credits)	
TMGT 225	Hospitality Law
Environmental Stewardship (3 credits)	
TMGT 261	Environmental Issues in the Tourism Industry
Electives Unspecified (12 credits) Students without adventure tourism education and seeking the Adventure Major or Minor must take ADVG 311 and ADVG 313, please see Program Coordinator. Students wanting the Tourism Management Diploma must take Tourism courses (TMGT, HMGT, CONV or ADVG).	
Field Work - Students must have a minimum of 500 hours of documented relevant work experience supported by industry references indicating capable performance. Students can complete this requirement on their own or via the CO-OP option.	

Year 3 and Year 4 (upper level requirements - the Majors) (60 credits):

The majors are defined by courses in years 3 and 4 (300 and 400 level courses) and students must select a major upon entry into the BTM. In addition to satisfying the requirements of one of the majors, students have the option of completing a minor. For example, a student may graduate with an Adventure Studies Major and an Entrepreneurship Minor, or with a minor from the Business and Economics program.

Adventure Studies

The growth of the adventure travel industry is paralleled by a growing need for capable adventure tourism managers. Governments, businesses, organizations and communities require tourism experts to help develop, direct and promote adventure experiences in their villages, cities, regions and countries.

Adventure Studies within the Bachelor of Tourism Management Degree equip students for these opportunities by offering courses in the following topics:

- eco and adventure tourism programming
- international adventure business and community development
- adventure tourism marketing
- contemporary issues in adventure tourism
- legal liability and risk management
- policy development and planning

Adventure Studies are offered as an Honours Degree, a Major and a Minor within the BTM degree. To build upon students' existing skills and competencies, credits completed from the Adventure Diploma, the Canadian Mountain and Ski Guide Diploma, or other post-secondary programs may be transferred into the degree. Students may study on a full- or part-time basis.

As part of their course work, students in Adventure Studies participate in numerous projects for local and foreign agencies. An international field trip is offered every year to familiarize students with adventure tourism development abroad.

The unique combination of theory and practice produces competent graduates who quickly apply the skills they gained as students to their careers:

- as consultants to businesses, organizations, communities and governments
- as research assistants
- as tourism product developers
- as tourism industry professionals
- as adventure tourism entrepreneurs and business managers

Adventure Studies Major (24 credits):

ADVG 401 (required)	Business Applications for Eco & Adventure Tourism Management
TMGT 402 (required)	Graduating Seminar
AND 18 CREDITS FROM THE FOLLOWING:	
ADVG 402	Legal Liability and Risk Management for Eco & Adventure Businesses
ADVG 403	Contemporary Perspectives in Eco & Adventure Tourism
ADVG 404	Eco & Adventure Tourism Programming
ADVG 405	Adventure Tourism International Business Development
ADVG 407	Selected Topics in Nature-based Adventure Tourism
ADVG 409	Adventure Tourism International Community Development
ADVG 410 (6 cr)	Adventure Tourism Field Trip
ADVG 411	Adventure Tourism Field Trip
ADVG 421	Adventure and Sport Marketing
ADVG 422	The Culture of Adventure
ADVG 423	Consulting in Adventure

Adventure Studies Major - Honours (36 Credits):

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.

ADVG 401 (required)	Business Applications for Eco & Adventure Tourism Management
TMGT 402 (required)	Graduating Seminar
TMGT 499 (6 cr.) required	Honours Thesis
AND 24 CREDITS FROM THE FOLLOWING:	
ADVG 402	Legal Liability and Risk Management for Eco & Adventure Businesses
ADVG 403	Contemporary Perspectives in Eco & Adventure Tourism
ADVG 404	Eco & Adventure Tourism Programming
ADVG 405	International Adventure Tourism Development
ADVG 407	Selected Topics in Nature-based Adventure Tourism
ADVG 409	Adventure Tourism International Community Development
ADVG 410 (6 cr. Int'l)	Adventure Tourism Field Trip
ADVG 411	Adventure Tourism Field Trip
ADVG 421	Adventure and Sport Marketing
ADVG 422	The Culture of Adventure
ADVG 423	Consulting in Adventure

International Adventure Tourism Development (Minor):

ADVG 401	Business Applications for Eco & Adventure Tourism Management
ADVG 405	Adventure Tourism International Business Development
ADVG 409	Adventure Tourism International Community Development
ADVG 410 (6 cr.) OR ADVG 411 (3 cr.)	Adventure Tourism Field Trip Adventure Tourism Field Trip

Adventure Studies (Minor):

ADVG 401	Business Applications for Eco & Adventure Tourism Management
ADVG 4XX	
ADVG 4XX	Any course between ADVG 402-423
ADVG 4XX	

Entrepreneurship

An Entrepreneurship Major or Minor 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.

An Entrepreneurship Major or Minor will build upon the strong business and tourism foundations of the Bachelor of Tourism Management by providing students with the opportunity to acquire additional skills and knowledge in the areas of new business development, strategic planning, international issues, information technology, consumer behaviour, small business management, operations research, and field experience.

Successful professionals developing and marketing tourism products are essentially staging "experiences." These experiences present unique challenges beyond those identified with service products and the Entrepreneurship program within the Bachelor of Tourism Management will ensure that our graduates are equipped to become leaders in the growing "experience" economy.

Graduates of Bachelor of Tourism Management with an Entrepreneurship option can look forward to career opportunities:

- As entrepreneurs within new or existing businesses;
- Advising tourism enterprises and governments as business consultants or tourism organization managers; or
- They can consider graduate studies in such areas as tourism or business.

Entrepreneurship Major (24 credits):

TMGT 402 (required)	Graduating Seminar
TMGT 412 (required)	Developing New Tourism Enterprises
AND 18 CREDITS FROM THE FOLLOWING:	
TMGT 413	Tourist Behaviour
TMGT 414	Tourism Strategy
TMGT 415	Managing Small Tourism Enterprises
TMGT 416	Tourism in a Global Environment
TMGT 417	Information Technology and Tourism
TMGT 418	Managing the Tourist Experience
TMGT 419 (6 credits)	Tourism Enterprise Field Course

Entrepreneurship Major - Honours (36 Credits):

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.

TMGT 402 (required)	Graduating Seminar
TMGT 412 (required)	Developing New Tourism Enterprises
TMGT 499 (6 cr.)	Honours Thesis
AND 24 CREDITS FROM THE FOLLOWING:	
TMGT 413	Tourist Behaviour
TMGT 414	Tourism Strategy
TMGT 415	Managing Small Tourism Enterprises
TMGT 416	Tourism in a Global Environment
TMGT 417	Information Technology and Tourism
TMGT 418	Managing the Tourist Experience
TMGT 419 (6 cr.)	Tourism Enterprise Field Course

Entrepreneurship (Minor):

TMGT 412 (required)	Developing New Tourism Enterprises
AND 9 CREDITS FROM THE FOLLOWING:	
TMGT 413	Tourist Behaviour
TMGT 414	Tourism Strategy
TMGT 415	Managing Small Tourism Enterprises
TMGT 416	Tourism in a Global Environment
TMGT 417	Information Technology and Tourism
TMGT 418	Managing the Tourist Experience

Management

A Management Major will build upon the strong business and tourism foundation of the Bachelor of Tourism Management by providing students with the opportunity to acquire additional skills and knowledge in areas such as community and cultural issues, policy and planning, land use management, sustainable development, product development and innovation, resort management, event tourism, and casino operations.

Graduates of the Bachelor of Tourism Management with a Management Major can look forward to career opportunities:

- As managers within existing tourism businesses;
- Advising tourism-related enterprises and governments as business consultants or managing within these organizations; or
- They can consider graduate studies in such areas as tourism, community planning or business.

Management Major (24 credits):

TMGT 305 (required)	Research in Tourism
TMGT 402 (required)	Graduating Seminar
AND 18 CREDITS FROM THE FOLLOWING:	
TMGT 301	Community and Cultural Issues in Tourism
TMGT 302	Tourism Policy and Planning
TMGT 304	Land Use Management and Tourism
TMGT 401	Tourism Product Development and Innovation
TMGT 403	Resort Management
TMGT 404	Tourism and Sustainable Development
TMGT 405	Event Tourism
TMGT 406	Selected Topics in Tourism
TMGT 421	Casino Operations Management

Management Major - Honours (36 Credits):

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.

TMGT 305 (required)	Research in Tourism
TMGT 402 (required)	Graduating Seminar
TMGT 499 (6 cr.)	Honours Thesis
AND 24 CREDITS FROM THE FOLLOWING:	
TMGT 301	Community and Cultural Issues in Tourism
TMGT 302	Tourism Policy and Planning
TMGT 304	Land Use Management and Tourism
TMGT 401	Tourism Product Development and Innovation
TMGT 403	Resort and Recreation Management
TMGT 404	Tourism Planning and Sustainable Development
TMGT 405	Event Tourism
TMGT 406	Selected Topics in Tourism
TMGT 421	Casino Operations Management

BTM Sample Course Sequence

Year 1		
Fall Semester		
1.	ENGL 181	Business, Professional & Academic Composition
2.	MATH 110	Finite Math with Applications 1
3.	TMGT 111	The Tourism Industry
4.	TMGT 115	Marketing and Customer Service
5.	TMGT 116	Organizational Leadership in Tourism
Winter Semester		
1.	ENGL 192	Professional Presentation/Communication
2.	ACCT 100	Financial Accounting
3.	TMGT 114	Human Resources Management
4.	CONV 219 or CONV 125 or HMGT 212	Destination Marketing Organizations Sports Event Marketing Hotel Sales and Service
5.	Elective (Tourism Management Diploma-choose Tourism electives)	
6.	Elective	
Year 2		
Fall Semester		
1.	ACCT 101	Management Accounting
2.	ECON 190	Principles of Microeconomics
3.	TMGT 225	Hospitality Law
4.	Elective (Tourism Management Diploma-choose Tourism electives)	
5.	Elective	
Winter Semester		
1.	ECON 195	Principles of Macroeconomics
2.	STAT 120	Introduction to Statistics
3.	TMGT 261	Environmental Issues in the Tourism Industry
4.	COMP 291	Computer Applications in Business
5.	Elective (Adventure Major or Minor choose ADVG 311 and ADVG 313). Elective (Tourism Management Diploma-choose Tourism electives)	
6.	Elective	
Year 3		
Fall Semester		
1.	TMGT 301	Community & Cultural Issues in Tourism
2.	TMGT 305	Research in Tourism
3.	TMGT 401	Tourism Product Development & Innovation
4.	Upper Elective	
5.	Elective	
Winter Semester		
1.	TMGT 302	Tourism Policy and Planning
2.	TMGT 404	Tourism and Sustainable Development
3.	Upper Elective	
4.	Upper Elective	
5.	Elective	
Year 4		
Fall Semester		
1.	Upper Level Tourism	
2.	Upper Level Tourism	
3.	Upper Level Tourism	
4.	Upper Level Tourism	
5.	Elective	
Winter Semester		
1.	TMGT 402 Graduating Seminar	
2.	Upper Level Tourism	
3.	Upper Level Tourism or Elective	
4.	Upper Level Tourism or Elective	
5.	Elective	

BTM Information

For a summary of the Bachelor of Tourism Management, please see our website (http://www.tru.ca/tourism/).

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Associate Diplomas, Associate Degrees and Transfer Programs

General Information

TRU now offers a significant number of degree options, but some students cannot complete their degree program at TRU and will need to transfer to another university in their final years. A student intending to transfer to a university should review the university's requirements before registering for the appropriate courses at TRU. Advice and help in selecting a course of studies may be obtained from a Counsellor, or Academic Advisor.

Students wishing to transfer to a university should attempt to complete a minimum of thirty semester hours of credit each year. The B.C. universities require the equivalent of an additional sixty semester hours of credit to be completed during their third and fourth year to complete degree requirements for most degrees.

Many professional schools and faculties (such as Education and Law) at the universities will admit only students who have completed one or more years of a specified program in Arts or Science. Most of these prerequisite courses may be taken at TRU.

The transferability of courses taken at TRU is determined by the institution to which the student transfers. Students who plan to transfer from TRU to another institution should consult the Admissions Office of that institution. An institution to which an official transcript is sent may evaluate the courses and establish the standing of the student in accordance with its own policies and regulations. Course equivalencies at the University of British Columbia, Simon Fraser University, the University of Lethbridge and the University of Victoria are listed in the B.C. Transfer Guide.

Use the calendars and other publications of the universities to become familiar with admission requirements for transfer students. There may be regulations concerning grade point average, course loads, transfer credit, etc. of concern to transfer students.

A student wishing to proceed to a Bachelors degree at another institution is usually expected to follow a specialty in a prescribed Major or Honours program.

Further information regarding Major and Honours program requirements is given in the university calendars and may be obtained from the University academic advisors. A representative selection of calendars is available in the resource centre located at the Counselling Office for use by students and the community. New students should arrange for an appointment with an academic advisor at the counselling office before selecting their program of study. If a student requires in-depth career planning, counsellors are available for interviews.

Admission Requirements

Please refer to the GENERAL INFORMATION (on page 5) section of the TRU Calendar for the statement of admission policy at TRU.

Educational Requirements

B.C. Grade 12 or equivalent, or mature student status. Additional specific requirements and prerequisites are listed in the calendar under the individual courses, disciplines, and programs.

International Students

To enter ENGLISH 110, or full time study in any academic program, students must comply with one of:

1. Score a 6 on the composition section of the English Proficiency Test.
2. Present TOEFL score of 570 or above.
3. Complete all ESAL courses required as determined by initial English Language Assessment earning a mark of C+ or higher in ESAL 057 and ESAL 058.
4. Complete B.C. Grade 12 (or approved equivalent) with a combined score in ENGLISH 12 of 73% or better on the course and provincial exam; B.C. grads with scores below 73% may present a current LPI score for consideration.

English Requirement

For admission to academic English courses, the following requirements must be met:

ENGL 110

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 060

or Completion of ESAL 057 and ESAL 058 with grade C+ or better.

ENGL 111

80% on the combined English 12 and Government Exam (within the last 5 years)

or Level 5, on the composition section of the Language Proficiency Index (within the last 2 years)

The Language Proficiency Index (LPI) can be used to diagnose a student's level of writing skills. The results provide an indication of the type and level of English course best suited to the individual's need. LPI result slips should be presented during registration. Students in doubt as to interpretation of results and course placement should consult the Chairperson of English and Modern Languages or an academic Advisor.

For information about testing dates and locations, please refer to the LPI dates in this calendar or contact the Assessment Centre, Old Main 1762 @ (250) 828-5470.

These regulations apply to students transferring to TRU from other post-secondary institutions, unless they possess the equivalent of two semesters of first-year English.

Associate Diplomas

General

Associate Diplomas are awarded to recognize the achievements of students who have completed two years (60 credits) of academic work, of which at least 30 credits must have been completed at TRU.

Associate status will be of particular value to students who do not subsequently complete a degree program at a university, or who enter the work force for a period of time before transferring to a university. Associate Diplomas are also intended to encourage people to pursue learning as a means of self-enrichment and lifelong development.

Associate Degrees

Associate Of Arts Degree (A.A.)

General Requirements

1. Sixty credits of first and second year B.C. university transfer courses.
2. A cumulative GPA of 2.0 for all courses counting towards the credential.

Specific Requirements

1. Six credits in first year English
2. Thirty-six credits in Arts which shall include: six credits in Social Sciences, six credits in Humanities (including the Creative and Performing Arts).
3. Twenty-four credits of Arts which must include eighteen credits of second year Arts in two or more subject areas (disciplines).
4. Nine semester credits in Science, including three semester credits of Math or Statistics or Computing Science, and three credits in a Lab Science.
5. Nine semester credits of first- or second-year courses.

Note: No course will be used to meet more than one of the specific requirements.

Classification of Arts subjects for the Associate of Arts Degree

Humanities

English	Fine Arts
French	German
History	Japanese
Music	Philosophy
Spanish	Theatre

Social Science

Anthropology
Canadian Studies
Economics
Geography (except GEOG 112, 122, 204, 275)
Political Studies
Psychology (except PSYC 210)
Sociology

Please note: The following courses are classified as SCIENCE:

- GEOG 112, 122, 204, 275
- PSYC 210

Associate Of Science Degree (A.Sc.)

General Requirements

1. Sixty credits of first and second year B.C. university transfer courses (100 and 200 level).
2. A cumulative GPA of 2.0 for all courses counting towards the credential.
3. At least 30 of the 60 credits of course work must have been completed at TRU.

Specific Requirements

1. Six credits in first-year Mathematics (at least 3 credits must be calculus).
2. Thirty-six credits in Science, including at least 3 credits in a laboratory science and at least 18 credits in second-year Science in two or more subject areas (disciplines).

   Note: Computing Science courses are not classed as laboratory science courses.
3. Six credits in first-year English.
4. Six credits in Arts other than English (excluding Math and any courses containing a laboratory component).
5. Six credits of first- or second-year courses, in Arts, Sciences or other areas.

Note: No course will be used to meet more than one of the specific requirements.

Specific Associate of Science Degrees

Associate of Science – Biology degree

Required courses:

BIOL 111/121 or BIOL 111/125/125L
CHEM 150/151 or 150/152
PHYS 110/120 or 115/125
MATH 113/123 or 114/124 or 115/125
ENGL 110 or 111 *
(Or two of ENGL 110, 111, 112, 114, 121)
COMP 100 or 113
BIOL 213/234
6 credits from BIOL 210, 220, 211, 221, 215, 225
CHEM 212/222
ENGL 229 or 230
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 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114 or 121) before their second year English requirement

Associate of Science – Chemistry degree

Required courses:

BIOL 111 or BIOL 121 or GEOL 111 or GEOL 205
CHEM 150/151 or 150/152
PHYS 110/120 or 115/125
MATH 113/123 or 114/124 or 115/125
ENGL 110 or 111 *
(Or two of ENGL 110, 111, 112, 114, 121)
COMP 100 or 113
CHEM 212/222
CHEM 210/216/225
MATH 211/212
ENGL 229 or 230
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 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114 or 121) before their second year English requirement.

Associate of Science – Physics degree

Required courses:

BIOL 111 or 121 or 125/125L or GEOL 111 or 205
CHEM 150/151 or 150/152
PHYS 115/125 (preferred) or PHYS 110/120
MATH 113/123 or 114/124
ENGL 110 or 111 *
(Or two of ENGL 110, 111, 112, 114, 121)
COMP 100 or 113
MATH 211/212/224
PHYS 200/215/220/225
ENGL 229 or 230
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 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114 or 121) before their second year English requirement

Associate of Science – Geology degree

Required courses:

GEOL 111
CHEM 150/151 or 150/152
PHYS 110/120 or 115/125
MATH 113/123 or 114/124 or 115/125
ENGL 110 or 111 *
(Or two of ENGL 110, 111, 112, 114, 121)
COMP 100 or 113
GEOL 205/210/215/229
ENGL 229 or 230
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 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111,112, 114 or 121) before their second year English requirement

Associate of Science – Mathematics degree

Required courses:

BIOL 111 or 121 or 125/125L or GEOL 111 or 205
CHEM 150
PHYS 110 or 115
MATH 113/123 or 114/124
ENGL 110 or 111 *
(Or two of ENGL 110, 111, 112, 114, 121)
COMP 113 and 123
MATH 211/212/220
STAT 200
ENGL 229 or 230
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 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114 or 121) before their second year English requirement

Associate of Science – Computing Science degree

Required courses:

BIOL 111 or 121 or 125/125L or GEOL 111 or 205
CHEM 150
PHYS 110 or 115
MATH 113/123 or 114/124
ENGL 110 or 111 *
(Or two of ENGL 110, 111, 112, 114, 121)
COMP 113/123
COMP 138, 139, 213, 223
MATH 212
STAT 200
ENGL 229 or engl 230
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 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114 or 121) before their second year English requirement

Associate of Science – Pre-Chiropractic degree

Students should note that courses beyond what is required for the Associate of Science – Pre-Chiropractic Degree may be required for acceptance into Chiropractic programs. Please see the Pre-Chiropractic recommendations in this calendar or consult the Chiropractic school you wish to enter. In Canada (http://www.cmcc.ca)

Required courses:

BIOL 111/121
CHEM 150/151 or 150/152
PHYS 110/120 or 115/125
MATH 114/124 or 115/125
ENGL 110 or 111*
(Or two of ENGL 110, 111, 112, 114, 121)
COMP 100 or 113
PSYC 111
15 credits second year science electives
CHEM 212
ENGL 229 or 230
3 credits Arts/Humanities electives other than English, 6 credits in only 3 credits of 1st year English taken
* Students with a grade of B or better in ENGL 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114 or 121) before their second year English requirement.
Students are strongly recommended to contact the program advisor at the university that they wish to transfer to, to ensure that the courses and electives they choose are the most appropriate for their program.

Associate of Science – Pre-Dentistry degree

Students should note that courses beyond what is required for the Associate of Science – Pre-Dentistry Degree may be required for acceptance into Dentistry programs. Please see the Pre-Dentistry recommendations in this calendar or consult the Dentistry school you wish to enter. UBC Dentistry (http://www.dentistry.ubc.ca).

Required courses:

BIOL 111/121
CHEM 150/151 or 150/152
PHYS 115/125 (recommended) or 110/120
MATH 114/124 or 115/125
ENGL 110 or 111*
(Or two of ENGL 110, 111, 112, 114, 121)
COMP 100 or 113
BIOL 213/234
CHEM 212/222
ENGL 229 or 230
6 credits Arts/Humanities electives other than English, 9 credits if only 3 credits of 1st year English taken.
6 credits 2nd year science electives (BIOL 210/220 recommended)
* Students with a grade of B or better in ENGL 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114 or 121) before their second year English requirement.
Students are strongly recommended to contact the program advisor at the university that they wish to transfer to, to ensure that the courses and electives they choose are the most appropriate for their program. Also, students should recognize that they need a very high GPA to be considered for entry into Dentistry.

Associate of Science – Pre-Medicine degree

Students should note that courses beyond what is required for the Associate of Science – Pre-Medicine Degree may be required for acceptance into Medicine programs. Please see the Pre-Medicine recommendations in this calendar or consult the Medical school you wish to enter. UBC Medicine (http://www.med.ubc.ca).

Required courses:

BIOL 111/121
CHEM 150/151 or 150/152[1]
PHYS 115/125 (strongly recommended) or 110/120[2]
MATH 114/124 or 115/125
ENGL 110 and 111*
(Or two of ENGL 110, 111, 112, 114, 121)
COMP 100 or 113
BIOL 213/234
CHEM 212/222
ENGL 229 or 230
6 credits Arts/Humanities electives other than English, 9 credits if only 3 credits of 1st year English taken.
6 credits BIOL 210/220 (recommended) or CHEM 210/225
* Students with a grade of B or better in ENGL 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114 or 121) before their second year English requirement.

Students are strongly recommended to contact the program advisor at the university that they wish to transfer to, to ensure that the courses and electives they choose are the most appropriate for their program. Also, students should recognize that they need a very high GPA to be considered for entry into Medicine.
[1] Students wishing to attend medical schools are advised to take CHEM 150/152. Not all Universities will accept CHEM 151 as a first year Chemistry requirement.
[2] Note that PHYS 110/120 is not accepted at some universities – students should check with the transfer institution

Associate of Science – Pre-Naturopathic Medicine degree

Students should note that courses beyond what is required for the Associate of Science – Pre-Naturopathic Medicine Degree may be required for acceptance into Naturopathic Medicine programs. Please see the Pre-Naturopathic Medicine recommendations in this calendar or consult the Dentistry school you wish to enter. Canadian College of Naturopathic Medicine (http://www.ccnm.edu).

Required courses:

BIOL 111/121
BIOL 159/169
CHEM 150/151 or 150/152
PHYS 110/120 or 115/125
MATH 114/124 or 115/125
ENGL 110 or 111*
(or two of ENGL 110, 111, 112, 114, 121)
COMP 100 or 113
BIOL 213
CHEM 212
ENGL 229 or 230
6 credits Arts/Humanities electives other than English, 9 credits if only 3 credits of 1st year English taken.
6 credits 2nd year Science electives (recommend including BIOL 234 and CHEM 222)
* Students with a grade of B or better in ENGL 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114 or 121) before their second year English requirement.
Students are strongly recommended to contact the program advisor at the university that they wish to transfer to, to ensure that the courses and electives they choose are the most appropriate for their program. Also, students should recognize that they need a very high GPA to be considered for entry into Naturopathic Medicine.

Associate of Science – Pre-Optometry degree

Students should note that courses beyond what is required for the Associate of Science – Pre-Optometry Degree may be required for acceptance into Optometry programs. Please see the Pre-Optometry recommendations in this calendar or consult the Optometry school you wish to enter. University of Waterloo Optometry (http://www.optometry.uwaterloo.ca).

Required courses:

BIOL 111/121
CHEM 150/151 or 150/152
PHYS 110/120 or 115/125
MATH 114/124 or 115/125
ENGL 110 or 111*
(or two of ENGL 110, 111, 112, 114, 121)
COMP 100 or 113
PSYC 111
BIOL 210
BIOL 213/234
CHEM 212
STAT 200
PHIL 201
ENGL 229 or 230
3 credits Arts/Humanities if only 3 credits of 1st year English taken.
3 credits 2nd year science electives (recommend CHEM 222)
* Students with a grade of B or better in ENGL 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114 or 121) before their second year English requirement.
Students are strongly recommended to contact the program advisor at the university to which they wish to transfer, to ensure that the courses and electives they choose are the most appropriate for their program

Associate of Science – Pre-Veterinary Medicine degree

Students should note that courses beyond what is required for the Associate of Science – Pre-Veterinary Degree may be required for acceptance into Veterinary programs. Please see the Pre-Veterinary recommendations in this calendar or consult the Veterinary school you wish to enter. University of Saskatchewan Veterinary program (http://www.usask.ca/calendar/vetmed).

Required courses:

BIOL 111/biol 121
CHEM 150/152 (strongly recommended) or 150/151
PHYS 115/125 (strongly recommended) or 110/120[1] (see footnote)
MATH 114/124 (recommended) or 115/125
ENGL 110 and 111*
(Or two of ENGL 110, 111, 112, 114, 121)
COMP 100 or 113
BIOL 210/220
BIOL 213/234
CHEM 212/222
ENGL 229 or 230
6 credits Arts/Humanities electives other than English, 9 credits if only 3 credits of 1st year English taken.
* Students with a grade of B or better in ENGL 110 (or 111) may proceed to either of the required ENGL 229 or 230 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 (111, 112, 114, or 121) before their second year English requirement.
Students are strongly recommended to contact the program advisor at the university to which they wish to transfer, to ensure that the courses and electives they choose are the most appropriate for their program. Also, students should recognize that they need a very high GPA to be considered for entry into Veterinary Medicine.
[1] Note that PHYS 110/120 is not accepted at some universities – students should check with the transfer institution

Degree Transfer Programs

General Requirements

Course requirements for Bachelor of Arts and Bachelor of Science degrees vary with each university depending on the objective of the student and the Major or Honours program selected. Students proceeding to a Bachelor of Arts or Bachelor of Science Degree must check their selection of courses with the Registrar, University Academic Advisors or Academic Department Chairpersons, to ensure that their program is chosen to correspond with the requirements of the various faculties of the universities.

Students are strongly advised to consult the calendar of the university to which they intend to transfer in order that they may choose an appropriate program which includes the prerequisites required for admission to the degree program desired.

Students should note that they cannot transfer more than 60 credits from TRU to any other university.

Students wishing to enrol in a TRU program requiring more than fifteen semester hours of credit in any one semester should have their program approved by the Registrar in consultation with the appropriate Department Chairperson.

When required, Language Proficiency Index results should be presented during registration. Students in doubt as to interpretation of results and course placement should consult the Chairperson of English and Modern Languages or an Academic Advisor. This regulation applies to students transferring to TRU from other post-secondary institutions, unless they possess the equivalent of two semesters of first-year English.

Bachelor of Commerce And Business Administration Transfer Programs

Program Governance

Dean of the School of Business and Economics

YOUNG, MURRAY, B.A., M.B.A. (Indiana), Ph.D. (Ohio)

Chairpersons

RAHMAN, HAFIZ, B.A. (Hons.), M.A. (Jahangirnagar), M.A., Ph.D. (Man.), Associate Professor, Chairperson, Economics
WARREN, BERNIE, B.Sc.F. (Toronto), M.A.Sc. (Waterloo), Management Science & MIS, Chairperson, Management

Program Advisor

T.B.A.

General

TRU offers two-year transfer programs for students interested in transferring to the University of British Columbia (UBC) to complete a Bachelor of Commerce degree or to Simon Fraser University to complete a Bachelor of Business Administration degree. Transfer to the University of Victoria (UV) and other Canadian universities is also possible.

Completion of a transfer program does not guarantee admission to a university. Due to the quota method of selection, the universities currently require a cumulative GPA of 3.2 or better.

Since university admission requirements change frequently, you should contact a TRU Academic Advisor, after which you will need to consult the university of your choice directly in order to ensure you take the required courses at TRU.

Engineering Transfer Programs

Program Governance

Coordinator

GIUDICI, BEN C., B.A.Sc. (Hons.), M.A.Sc. (Brit. Col.), P. Eng., Electronics & Engineering

General

TRU offers both a first year Engineering Transfer program as well as a second year Electrical-Computer Engineering Transfer program.

TRU will not be offering second year Electrical & Computer Engineering Transfer in 2008-09.

The first year 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.

The second year is for Electrical or Computer Engineering only and specifically prepares students for transfer to the University of British Columbia. Electrical – Computer Engineering Transfer year 2 (EECE Year 2) is a unique program delivered in partnership with the UBC Faculty of Applied Science. EECE year 2 is equivalent to the second year of Electrical and Computer Engineering degrees offered by UBC and satisfactory completion will prepare students for transfer into UBC third year Electrical or Computer Engineering studies.

In B.C. and Alberta, the following universities offer Bachelors degree programs in engineering disciplines: Simon Fraser University, the University of British Columbia, the University of Victoria, the University of Calgary and the University of Alberta.

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.

TRU's major engineering transfer pathways have been to UBC and UVIC. However TRU Engineering students have also successfully transferred to Engineering programs at SFU and some universities outside the province. UBC and UVic consider engineering transfer programs such as TRU's as making significant contributions to the completion of engineering degrees in BC. 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. Students having successfully completed a year or more of science, or other relevant studies may also apply for admission to the TRU Electrical-Computer Engineering year 2 transfer program, or 2nd year engineering specialty at other institutions.

The TRU Electrical-Computer Engineering Transfer year 2 program has been designed in partnership with UBC. The program allows students to complete year 2 of the UBC Electrical - Computer Engineering program at TRU. On completion with sufficiently high standings, students are eligible to advance into year 3 of the Electrical or Computer Engineering program at UBC.

To be considered for the TRU Electrical-Computer Engineering year 2 program, applicants will have previously completed first year Engineering studies, or at least one year of Science 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.

TRU offers the equivalent of UBC's first year Engineering, second year Electrical Engineering, and second year Computer Engineering programs. Students admitted to TRU Electrical - Computer Engineering Transfer year 2 (EECE year 2) may be considered for and participate in the UBC Engineering co-op program while completing year 2 of their studies at TRU.

Admissions to second year UBC Engineering programs and the TRU Electrical-Computer Engineering year 2 are highly competitive. The chances of being accepted increase with a student's academic standing. Simply meeting minimum GPA requirements does not guarantee admission to the desired engineering speciality.

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.

University of Calgary

The Faculty of Engineering at the University of Calgary offers undergraduate programs in Chemical, Petroleum, Civil, Electrical, Computer, Geomatics, Mechanical, and Manufacturing Engineering. TRU does not have a formal Engineering transfer agreement in place with the University of Calgary. However, students successfully completing the first year of Engineering at TRU are able to transfer to the University of Calgary 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 March 1 if space permits.

The minimum prerequisites for admission direct from secondary school are:

- B.C. Grade 12 graduation or equivalent.
- B.C. Grade 12 English with minimum grade of B within the last 5 years, or LPI level 5.
- Completion of Principles of Math 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:

- Calculus 12
- 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 TRU Electronics and Engineering office at 371-5853 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:

Fall Semester	
APSC 120	ENGL 110
COMP 152*	EPHY 115
DRAF 152	MATH 113
ECHE 115	
Winter Semester	
EPHY 125	
EPHY 170	MATH 130
EPHY 199**	MATH 123
Complementary Studies (3 credits)***	
*Students planning to transfer to UVic must substitute COMP 123 for complementary studies in the winter semester.	
**Students who have not completed Chemistry 12 (or equivalent) will be required to take CHEM 150 and CHEM 151 in place of ECHE 115 and EPHY 199.	
***UBC approved complementary studies courses include ANTH 111, 119, and 121; ECON 190, and 195; ENGL 111; GEOG 211 and 222; HIST 103, 112, 122, and 126; PHIL 111 and 121; POLI 111 and 121; PSYC 111 and 121; SOCI 111.	

On successful completion of first year engineering at TRU, students are eligible to apply for transfer into a second year speciality or to apply for admission to the TRU Electrical-Computer Engineering Year 2 transfer program.

To be considered for transfer into a second year Engineering speciality at UBC or the TRU second year Electrical-Computer Engineering Transfer program, students must have completed first year Engineering with a minimum overall GPA of 2.5 or at least one year of sciences with a minimum overall GPA of 2.5. Normally, GPA is calculated over all attempts (including failures) in all courses.

Institutional English Requirements

Note that in order to be admitted to TRU ENGL 110, students must satisfy one of the following:

- 73% on 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 060 or,
- completion of ESAL 057 and ESAL 058 with a C+ or higher

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 the following September. 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 150/151 or CHEM 150/152 [1]	(C+)
ENGL 110 or ENGL 111	(C+)
MATH 113/123 [2] or	(C+)
MATH 114/124	(B)
PHYS 115/125[3] or 110/120	(C+)
Appropriate Electives[4]	(9 University credits with C+ or better)

[1] For students who did not take CHEM 12 or equivalent, CHEM 150/151 are acceptable for Engineering Transfer credit.

[2] MATH 113/123 are preferred but MATH 114/124 with suitable standings will also be accepted for Engineering Transfer.

[3] Students who have not taken PHYS 115/125 or equivalent will be required to take EPHY 115/125 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 ANTH 111, 119, and 121; ECON 190, and 195; ENGL 111; GEOG 119, 120, 211 and 222; HIST 103, 112, 122, and 126; PHIL 111 and 121; POLI 111 and 121; PSYC 111 and 121; SOCI 111.

Sufficient standings in COMP 113 can constitute credit for COMP 152.

COMP 123 is required for transfer to UVIC Engineering

Students with sufficiently strong mathematics standing may be given permission to complete MATH 130 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 or Electrical-Computer Engineering 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 120	GEOG 119, 120, 211, 212, and 222
CHEM 200, 210, 212, 216, 222, and 225	MATH 130, 211, 212, 222, 265, 267, and 317
COMP 113, 152, 123, 259 and 2xx	PHYS 200, 215, 225, 309, and 310
DRAF 152	STAT 200
EECE 254, 256, 259, 280, 281, and 285	Complementary Studies Electives
EPHY 115, 125, 199, 170, 215, and 225	ENGL 255

Suitable additional elective courses may be selected to round out a student's course load.

Procedure for Admission to TRU Electrical-Computer Engineering Transfer Year 2 after First Year Engineering

Applications should be received no later than March 1 for admission the following September. Applications will be accepted after March 1 if space permits.

The Electrical-Computer Engineering (EECE) Transfer year 2 program has been designed in partnership with UBC. The program allows students to complete year 2 of the UBC Electrical - Computer Engineering program at TRU.

On completion with sufficiently high standings, students are eligible to advance into year 3 of the Electrical or Computer Engineering program at UBC. Successful applicants will have met admission criteria similar to those applied by UBC for their own Electrical - Computer Engineering year 2 program.

The **minimum** prerequisites for admission following first year Engineering are:

- Completion of 33 credits of first year Engineering at TRU or another recognized Engineering program with a cumulative GPA of 2.5 or higher.
- A grade of C+ or better on all courses required for Engineering transfer credit.

Admission to the EECE Transfer year 2 program is competitive and will be based on cumulative GPA and grades earned in prerequisite courses. Simply meeting the minimum criteria for admission from first year Engineering will not guarantee a seat in the program.

Second Year Electrical-Computer Engineering Course Requirements:

Fall Semester	
COMP 259	EECE 256
EECE 280	EPHY 215
ENGL 255	MATH 211
MATH 265	
Winter Semester	
EECE 259	EECE 254
EECE 281	EPHY 225
EECE 285	MATH 267
MATH 317	

Procedure for Admission to TRU Electrical-Computer Engineering Transfer Year 2 after a Year or more of Science Studies or Related Studies

Students who have completed one or more years of Science, Computer Science, or Mathematics at TRU or elsewhere may also apply for entry into the EECE Transfer year 2 program. Successful applicants will have met admission criteria similar to those applied by UBC for to their own Electrical - Computer Engineering year 2 program.

Applications should be received no later than March 1 for admission the following September. Applications will be accepted after March 1 if space permits.

The minimum prerequisites are:

- Completion of 27 credits of Science, Computer Science, or Mathematics studies with a cumulative GPA of 2.5 or higher.
- A grade of C+ or better on all science courses which are to be applied for Engineering transfer credit.

Successful applicants with suitably high standings can expect to receive Engineering transfer credit for selected Science courses completed as outlined in the section describing admission to TRU Engineering Transfer year 1 Engineering from first year Science or related studies.

Prior to being eligible for transfer to UBC Electrical or Computer Engineering year 3, students entering from Science or related studies must substantially complete both Engineering Transfer year 1 and Electrical-Computer Engineering year 2 course requirements. Admitted Science students will normally be enrolled in a mixture of first year Engineering and second year Electrical-Computer Engineering courses selected in consultation with the program coordinator.

For students who have completed more than 1 year of Science, Computer Science, or Mathematics, the following courses may also be considered for advanced credit in the EECE Transfer year 2 program if standings are sufficiently high:

MATH 211, 212, and 317	PHYS 215 and 225
COMP 223 and 252	

Depending on prior courses completed, students entering from science or related programs will normally require more than 2 semesters of study to earn sufficient credits for transfer into UBC Electrical or Computer Engineering year 3.

Admission to the EECE Transfer year 2 program is competitive based on cumulative GPA, grades earned in prerequisite courses, and grades earned in courses to be applied for engineering credit. Simply meeting the minimum criteria for admission from Science or related studies will not guarantee a seat in the program.

Forestry Transfer Program

Program Governance

Dean of Science

PRINS, LARRY, R.R.T. (Fanshawe), I.D. (Brit. Col.), M.A. (Gonzaga), Advanced R.R.T. (C.S.R.T.)

Chairperson

KARAKATSOULIS, JOHN, B.Sc., Ph.D.(Brit. Col.), Assistant Professor, Chairperson, Natural Resource Sciences

Full-Time Faculty

BROAD, PEGGY-JO, B.Sc.F. (Brit. Col.), Lab Faculty, Natural Resource Sciences
FRASER, LAUCHLAN, B.Sc., M.Sc. (Brit. Col.), Ph.D. (Sheffield), Canada Research Chair, Coordinator, Master of Science
GARDNER, WENDY, B.Sc. (Hons.), M.Sc. (Brit. Col.), Ph.D. (U of A), Natural Resource Sciences
HEISE, BRIAN A., B.Sc. (Guelph), M.Sc. (Man.), Ph.D. (Toronto), Associate Professor, Natural Resource Sciences
HUNT, GARY A., B.A. (Fresno State), M.A. (Hayward State), Ph.D. (Oregon State), Assistant Professor, Natural Resource Sciences
LARSEN, KARL, B.Sc.(Double Major), M.Sc. (U.Vic.), Ph.D. (Alta.), Associate Professor, Natural Resource Sciences
SORENSEN, JACQUELINE, B.N.R.S. (U.C.C.), Lab Faculty, Natural Resource Sciences
WATSON, E. KENT, B.Sc., M.Sc. (Brit. Col.), Assistant Professor, Natural Resource Sciences
WATSON, SHERI M., B.Sc., M.Sc. (Calg.), Lab Faculty, Natural Resource Sciences

General

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

To be admitted to the TRU Forestry Program and to be eligible to apply for admission to UBC, students must satisfy the following entrance requirements:

The minimum prerequisite is:

- Grade 12 graduation (or equivalent)
- Math 12
- English 12 with a minimum grade of B within the last 5 years
- Two of Biology 11*, Chemistry 11, or Physics 11 (all three strongly recommended)
- One of Biology 12, Chemistry 12 or Physics 12
- Biology 11 is the minimum requirement for entry into BIOL 111 at TRU

Applications must be received no later than March 1. Applications received after the deadline will be processed only if space in the program remains.

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. The 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.

Application Procedure

Admissions encourages you to submit an Application for Admission form and related documentation as soon as you complete the requirements. However, the minimum documentation which will be accepted is as follows:

Documentation Required

The following documentation is necessary to verify admission:

- Proof of Citizenship or Landed Immigrant Status if applicant not born in Canada
- Official transcripts of previous secondary and post-secondary education record
- The $25.00 Application Processing Fee if you have never attended TRU before
- A completed Application for Admission form
- A copy of your official interim or final grades

Limitation of Enrolment

The total number of places available is 20 in each of years one and two.

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 (250) 828-5467, to discuss course requirements.

Course Requirements For Forest Resource Management

First Year:

Fall Semester	Winter Semester
BIOL 111	BIOL 121
ENGL 110 or 111	ECON 190
NRSC 112	NRSC 122
MATH 114 or 115	GEOG 122
NRSC 111	Elective

Second Year:

Fall Semester	Winter Semester
CHEM 150	COMP 100
PHYS 110 or 115	ECON 373
NRSC 200	NRSC 211*
NRSC 210	NRSC 220
STAT 200 or BIOL 300	NRSC 317
Elective	Elective
*FRST 221 is taken in year 3 at UBC.	

Students entering from First 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 111 or BIOL 121
CHEM 150 or CHEM 151
or
PHYS 110/120 or PHYS 115/125
ENGL 110 or 111 or 121 (any one)
MATH 114/124 or MATH 115/125
STAT 200 or BIOL 300

Second Year:

Fall Semester	Winter Semester
ECON 190	COMP 100
NRSC 112	ECON 195
NRSC 200	NRSC 122
NRSC 210	NRSC 211
GEOG 122	NRSC 220
NRSC 111	

Course Requirements for Forest Science

First Year:

Fall Semester	Winter Semester
BIOL 111	BIOL 121
CHEM 150	CHEM 151
ENGL 110 or 111	ENGL 111 or 121
MATH 114 or 115	GEOG 122
NRSC 111	MATH 124 or 125

Second Year:

Fall Semester	Winter Semester
BIOL 213	BIOL 313
CHEM 212	CHEM 222
NRSC 112	NRSC 122
NRSC 210	NRSC 200
STAT 200 or BIOL 300	NRSC 220

Course Requirements for Natural Resource Conservation

First Year:

Fall Semester	Winter Semester
COMP 100	BIOL 121
ECON 190	ENG 111/121
ENGL 110 or 111	ECON 195
NRSC 111	NRSC 122
NRSC 112	MATH 114 or 115 or 140

Second Year:

Fall Semester	Winter Semester
NRSC 200	BIOL 416
NRSC 210	GEOG 122
GEOG 112	NRSC 220
SOCI 111	SOCI 121
BIOL 300 or STAT 200	Elective

Course Requirements for Forest Operations

First Year:

Fall Semester	Winter Semester
BIOL 111	BIOL 121
ENGL 110 or 111 or 121	COMP 100
NRSC 112	ECON 190
MATH 114 or 115	NRSC 122
NRSC 111	Elective

Second Year:

Fall Semester	Winter Semester
NRSC 200	BIOL 416
NRSC 210	ECON 373
NRSC 413	NRSC 211
STAT 200 or BIOL 300	NRSC 220
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.

Pre-Chiropractic

Program Governance

Chairperson

LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor

Introduction

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.

Students completing a Bachelor of Science degree at TRU in preparation for application to the Canadian Memorial Chiropractic College will have the following course requirements.

Course requirements

First Year
BIOL 111/121
CHEM 150/151 or 150/152
ENGL 110 and one of ENGL 111, 112, 114 or 121
MATH 114/124 or 115/125
PHYS 110/120 or 115/125
Second Year
CHEM 212
COMP 100 or 113
ENGL 229 or 230
PSYC 111
Electives (18 credits – see recommended courses)
Third Year
Electives (30 credits – see recommended courses)

Recommended Elective Credits:

Second Year

- BIOL 213/234
- BIOL 210/222
- CHEM 222
- 3 credits of Humanities or Social Sciences

Third Year

- BIOL 313
- BIOL 354/355
- BIOL 300

Pre-Dentistry

Program Governance

Chairperson (Biological Sciences)

LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor

Introduction

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).

Requirements

First Year
BIOL 111/121 or BIOL 111/125/125L
CHEM 150/151 or 150/152
ENGL 110 and one of ENGL 111, 112, 114 or 121
MATH 114/124 or 115/125
PHYS 110/120 or 115/125[1]
Second Year
BIOL 213/234
CHEM 212/222
COMP 100 or 113
ENGL 229 or 230
Electives (12 credits)
Third Year
BIOL 313/323*
Electives (24 credits)

*Note: Registration in any upper level science course must be approved by the B.Sc. Advisor.

[1]Note that PHYS 110/120 is not accepted at all institutions. Students are strongly advised to check with the institution to which they plan to apply.

Because of severe competition for admission to Dentistry, it is recommended that students choose courses that will lead to a bachelor degree in Science as an alternate career goal.

Pre-Dental students are advised to consult the UBC Faculty of Dentistry website (http://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.

Pre-Law

General Information

Students hoping to gain admission to the Faculty of Law at UBC or UVic must have completed at least three years of university undergraduate degree work. All three of these may be undertaken at TRU.

Pre-Medicine

Program Governance

Chairperson

LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor

General information

Students planning to apply for admission to the Doctor of Medicine program at UBC should select courses that satisfy the requirements of a Bachelor's degree of their choice. 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. The following prerequisite courses must be completed by April 30 of the year for which application is made.

3. English (two of 110, 111, 112, 114, 121) (ENGL 110 is recommended)
4. Biology 111/121 or Biology 111/125/125L
5. Chemistry 150/151or 150/152
6. Organic Chemistry 212/222
7. Biochemistry 313/323

Note: other universities may have different prerequisites; for example the University of Alberta has Physics 115/125 as a prerequisite.

Requirements

Students completing a Bachelor of Science degree at TRU in preparation for application to the Faculty of Medicine at UBC will have the following course requirements:

Course Requirements

First Year
BIOL 111/121
CHEM 150/151 or 150/152
ENGL (two of 110, 111, 112, 114, 121) (ENGL 110 recommended)
MATH 114/124 or 115/125
PHYS 110/120 or 115/125[1]
Second Year
BIOL 213/234
CHEM 212/222
COMP 100 or 113
ENGL 229 or 230
Electives (12 credits; BIOL 210/220 and CHEM 215/225 recommended.)
Third Year
BIOL 313/ 323*
Electives (24 credits.)
*Note that registration in any upper level science course must be approved by the B.Sc. Advisor.

[1]Note that PHYS 110/120 is not accepted at all institutions. Students are strongly advised to check with the institution to which they plan to apply.

Pre-Medical students are advised to consult the UBC Faculty of Medicine website (http://www.med.ubc.ca) and the on-line transfer guide (http://www.bccat.bc.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.

Pre-Naturopathic Medicine

Program Governance

Chairperson

LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor

General Information

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.

Requirements

Students completing a Bachelor of Science degree at TRU in preparation for application to the College of Naturopathic Medicine will have the following course requirements.

Course Requirements

First Year
BIOL 111/121 or BIOL 111/125/125L
CHEM 150/151 or 150/152
ENGL 110 and one of ENGL 111, 112, 114 or 121
MATH 114/124 or 115/125
PHYS 110/120 or 115/125
Second Year
BIOL 213
CHEM 212
COMP 100 or 113
ENGL 229 or 230
Electives (12 credits – see recommended courses)
Third Year
BIOL 313
Electives (27 credits – see recommended courses)

Recommended Elective Credits:

Second Year

BIOL 159/169
BIOL 234
BIOL 210/222
CHEM 222
PSYC 111/121

Third Year

BIOL 354/355
BIOL 300

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-Naturopathic Medicine students are advised to consult the University website (http://www.ccnm.edu) at and/or the Chairperson for further information.

Pre-Optometry

Program Governance

Chairperson

LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor

General Information

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

Requirements

To be eligible for admission consideration to the School of Optometry, each applicant must have successfully completed the following required prerequisite courses:

BIOL 111/121 or BIOL 111/125/125L	BIOL 210
CHEM 150/151 or 150/152	CHEM 212
PHYS 110/120 or 115/125[1]	BIOL 234
MATH 114/124 or 115/125	PHIL 201 or 433 or 435
PSYC 111	BIOL 313
ENGL 110 and 1 of ENGL 111, 112, 114, or 121	BIOL 354/355
STAT 200	MATH 212

The following courses are recommended* (3 credits each): Human Anatomy, Embryology, and Histology.

*Note: The number of the recommended courses successfully completed will be considered by the Admissions Committee.

Students completing a Bachelor of Science degree at TRU in preparation for application to the School of Optometry at Waterloo will have the following course requirements.

Course Requirements

First Year
BIOL 111/121 or BIOL 111/125/125L
CHEM 150/151 or 150/152
ENGL 110 and one of ENGL 111, 112, 114 or 121
MATH 114/124 or 115/125
PHYS 110/120 or 115/125
Second Year
BIOL 210
BIOL 213/234
CHEM 212
COMP 100 or 113
ENGL 229 or 230
PSYC 111
STAT 200
Electives (6 credits – see recommended courses)
Third Year
BIOL 313
BIOL 354/355
PHIL 201 or 433 or 435
Electives (18 credits – see recommended courses)

The University of Waterloo is planning to increase the entry requirements beginning in September 2008. Pre-Optometry students are strongly advised to consult the University of Waterloo School of Optometry website (http://www.optometry.uwaterloo.ca).

Recommended Elective Courses:

- CHEM 222
- BIOL 220

Pre-Pharmaceutical Sciences

Program Governance

Chairperson

LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor

General information

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 Bachelors degree program in four further years.

Requirements

BIOL 111/121 or BIOL 111/125/125L
CHEM 150/151 or 150/152
CHEM 212/222
ENGL (two of 110, 111, 112, 114, 121)
MATH 114/124 or 115/125
PHYS 115/125

Pre-Pharmacy students are advised to visit the UBC Faculty of Pharmaceutical Science website (http://www.ubcpharmacy.org/) for admission details and forms.

Pre-Rehabilitation Sciences

Program Governance

Chairperson

LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor

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, B.Sc.(O.T.) and Bachelor of Science in Physical Therapy, B.Sc.,(P.T.). Instead, they are offering Master of Occupational Therapy (MOT) and Master of Physical Therapy (MPT) degrees.

Requirements

Students wishing admission to these programs must complete a Bachelor's degree containing the following:

A B.Sc. leading to an MOT must include:

BIOL 111/121 or BIOL 111/125/125L
ENGL (one of 110, 111, 112, 114, 121) (ENGL 110 recommended)
STAT 200
PSYC 111/121 (3 to 6 credits at the 100 or 200 level)
SOCI 111/121

Note: CHEM 150/151 or CHEM 150/152 are strongly recommended.

A BSc. leading to an MPT must include:

BIOL 111/121 or 111/125/125L
BIOL 159/169
CHEM 150/151 or 150/152
ENGL (two of 110, 111, 112, 114, 121) (ENGL 110 recommended)
STAT 200
PSYC 111/121 (3 to 6 credits at the 100 or 200 level)
PHYS 110 or 115
BIOL 354/355

Students wishing to qualify for Rehabilitation Sciences at UBC are strongly advised to visit their website (http://www.rehab.ubc.ca) for admission details and forms. Students must have a minimum academic standing of B+ calculated on their upper level courses. Advice may also be obtained from the Chairperson or a TRU Academic Advisor.

Pre-Veterinary Medicine

Program Governance

Chairperson

LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor

General Information

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 severe competition for entry to the veterinary program, potential students are advised to undertake a program of post-secondary study which will lead to an alternate 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. See their website (http://www.usask.ca/wcvm).

Students whose alternate career goal is a Bachelors degree in sciences may complete all of their courses at TRU and then apply for admission to WCVM.

Requirements

Course requirements are:

First Year
BIOL 111/121
CHEM 150/151 or 150/152
ENGL (two of 110, 111, 112, 114, 121)
MATH 114/124 or 115/125
PHYS 115/125
Second Year
BIOL 210/220
BIOL 213/234
CHEM 212/222
COMP 100 or 113
ENGL 229 or 230
Electives (6 credits)
Third Year
BIOL 313/323*
BIOL 335*
Electives (21 credits)
*Note that registration in any upper level science course must be approved by the B.Sc. Advisor.

The minimum course requirements 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.

Physical Education

Chairperson

SOBERLAK, PETER, B.A. (Brit. Col.), M.A. (Queen's), Chairperson, Physical Education

Physical Education Program Description

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.

They include:

PHED 100	Biomechanics - The Analysis of Performance in Individual Sports
PHED 110	Basketball
PHED 112	Outdoor Activities
PHED 114	Aquatics
PHED 116	Soccer
PHED 119	Volleyball
PHED 123	Conditioning
PHED 124	Golf
PHED 128	Games, Contests and Relays
PHED 200	Analysis of Performance in Team Sports
PHED 211	An Introduction to the Study of Sport
PHED 212	Biodynamics of Physical Activity
PHED 213	Sport in Canadian Society
PHED 214	Psychology of Sport and Physical Activity
PHED 215	Exercise Physiology
PHED 221	The Dynamics of Motor Skill Acquisition
PHED 284	Physical Growth and Motor Development

Transfer to specific university courses can be found in the B.C. Transfer Guide which is available in the TRU Academic Advising office and online at 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. Additionally if your goal is to enter the Faculty of Education, especially secondary, you must choose a second teachable subject. Academic Advisors at TRU can also assist you in making this choice.

In conjunction with the School of Tourism, a two year diploma in Sports Event Management is offered at TRU. Graduates of this diploma have the option of continuing into the third year of the Bachelor of Tourism Management degree. See the appropriate section in the School of Tourism for details.

Note: Students wishing to take Physical Education courses as electives for degrees offered at TRU, must check with the specific degree program as to whether the courses are acceptable for credits towards the degree.

Note: A related degree is currently being proposed. Please contact Chair of Physical Education for anticipated start date.

Diploma and Certificate Programs

Thompson Rivers University provides a variety of Diploma and Certificate programs.

Aboriginal Studies Certificate

Certificate Programs

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.

Normally, 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.

A University Certificate will be granted for the completion of the following program of study shown below.

Course 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).

ANTH 119	Introduction to Archaeology
ANTH 121	Introduction to Cultural Anthropology
ANTH 214*	Canadian Native Peoples
ANTH 219	Ancient North Americans
ANTH 223	Native Peoples and Cultures of British Columbia
ENGL 241	Native Canadian Literature
GEOG 223	The Regional Geography of British Columbia and Yukon
HIST 202	History of the Native Peoples of Canada
POLI 111	The Government and Politics of Canada
SOCI 201	Race and Ethnic Relations
TMGT 102	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.

ANTH 306	Summer Field Training in Archaeology
ANTH 327	First Nations Natural Resource Management
ANTH 401	Native Peoples of North America
ANTH 404	Peoples and Cultures of the North American Arctic
ANTH 405	Canadian Status/Treaty Indian Reserve Communities
ANTH 406	Cultural Resource Management
ANTH 411	Prehistory of a Special Area in the New World
ANTH 420	Archaeology of British Columbia
EDUC 442	Pedagogy of First Nations Education
ENGL 446	Studies in Commonwealth/Postcolonial Literature
ENGL 447	Studies in Aboriginal Literature (North American)
POLI 406	Topics in Latin American Politics
SOCW 354	An Introduction to First Nations Issues and Human Services
THTR 325	History of Canadian Theatre

Adventure Studies Programs

For complete program information we recommend that students view the Adventure Studies Department website (http://www.adventurestudies.ca) .

- Adventure Sports Certificate (on page 108)
- Adventure Guide Diploma (on page 109)
- Adventure Management Diploma (on page 111)
- Canadian Mountain and Ski Guide Certification Program/CMSG Diploma
- Adventure Studies in the Bachelor of Tourism Management

Chairperson, Adventure Programs Department

VALADE, GILLES, Dipl. Gen. Ins. (Vieux Montreal), Dipl. Adv. Tour., B.T.M. (U.C.C.), C.I.P. Ins. (Inst. of Canada), M.B.A. (Guelph), Chairperson, Adventure Studies
(250) 828-5221

Adventure Studies in the Bachelor of Tourism Management Degree (BTM)

- Adventure Studies Major (on page 115)
- Adventure Studies Major - Honours (on page 115)
- Adventure Studies Minor (on page 115)
- International Adventure Tourism Development Minor (on page 115)
- Double Major in Entrepreneurship and Adventure Tourism Management (on page 115)

Adventure Programs At TRU

The Adventure Studies Department at Thompson Rivers University offers the finest and most extensive adventure studies training in the world.

With a faculty of internationally known adventure experts, researchers, and visionaries, and a student body of energetic, creative thinkers, the Adventure Studies Department makes and shapes careers.

Historically, adventure involved exploration of unusual, exotic, remote or wilderness destinations—travelers embarked on voyages of discovery as individuals, as guides, or as the guided. In the twenty-first century, adventure studies have expanded exponentially from travel tourism to a wide range of interdisciplinary pursuits, career options, and sport activities.

The Adventure Studies Department now offers six diverse courses of study, from 8-month certificates to 4-year bachelor degrees. Each program enables students to obtain the knowledge and qualifications required for employment and careers in the eco and adventure tourism industry.

- Adventure Sports Certificate (on page 108)
- Adventure Guide Diploma (on page 109)
- Adventure Management Diploma (on page 111)
- Canadian Mountain and Ski Guide Certification Program/Canadian Mountain And Ski Guide Diploma
- Adventure Studies in the Bachelor of Tourism Management degree

Adventure Career Paths

- college instruction
- entrepreneurship
- skills instruction
- environmental studies
- equipment design
- adventure law
- studies abroad
- art exploration
- public safety warden
- mountain guide certification
- adventure specialist
- international development
- youth camp work
- team building
- graduate studies
- school teaching
- travel writing
- guiding
- expedition leader
- film production
- science & research
- park warden
- fire department
- rescue squad
- adventure consulting
- search & rescue response
- business degree
- tourism degree
- management diploma
- eco-design
- adventureinsurance
- avalanche technician
- photo journalism
- film rigging
- wilderness first aid response
- communications
- community development

General Application Guidelines

Apply to TRU

Prospective students must apply to TRU Admissions for entry to the University and to the Adventure Studies Department for entry into one of the programs offered by the Adventure Studies Department.

The General Information section of the TRU Calendar Programs explains admission policies at TRU.

TRU Admissions encourages applicants to submit an Application for Admission form and related documentation as soon as each of the requirements is completed. These will be kept on file until all documentation has been received.

The minimum documentation which will be accepted is as follows:

- a completed Application for Admission Form
- an official transcript of the applicant's interim or final grades
- a fee of $25.00 for first-time registrants to TRU
- proof of citizenship, landed immigrant status, or valid student visa, if not born in Canada

Apply to the Adventure Studies Department

Application requirements are similar for each program, with the exception of the Canadian Mountain and Ski Guide Programs (CMSG). Any exceptions or unique requirements will be listed in the description of specific programs. You may address inquiries to the Adventure Studies Department or TRU Admissions.

Applications are received year-round for September entry, with the exception of the CMSG Programs (continuous intake). Some programs also have a January intake as noted. Applicants must be at least 19 years old unless noted differently.

To apply to the Adventure programs, please submit the following to the Adventure Studies Department:

- official transcripts of previous secondary and post-secondary education
- a completed Adventure Studies Application form
- verification of attendance at a program information session (this will be forwarded to TRU Admissions by the Adventure Studies Department)

International Students

The programs offered by the Adventure Studies Department are open to international students. An applicant to TRU who is not a Canadian citizen or landed immigrant is considered an international student.

International students must apply to TRU International Student Admissions for admission to TRU and to the Adventure Studies Department for admission.

Information on international student applications may be found in the current TRU Calendar. Please contact Tracy Barth, International Student Admissions, at tbarth@tru.ca or telephone (250) 371-5776 with specific questions.

Educational Requirements

Applicants to the Adventure Sports certificate and the Adventure Guide Diploma must meet the following educational requirements.

- BC Grade 12 or equivalent, or mature student status
- BC Math 11 or Math 051 or equivalent, with a minimum C+ grade
- BC English 12 or equivalent with a minimum C+ grade (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

Program Information Sessions

Program Information Sessions provide important information about programs, courses, entrance requirements, and admission procedures as well as answers to pertinent questions from prospective students.

All students wishing to apply for Adventure Studies programs must attend one of these information sessions.

Information sessions are held between September and April at various locations throughout Canada and by telephone. Please find dates and locations on our website (http://www.adventurestudies.ca).

To register for an information session, please contact the Adventure Department secretary at (250) 828-5221 or email mailto:adventure@tru.ca .

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.

Exemptions

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

Acceptance Into a Program

Written notice is given by TRU Admissions to applicants who have been accepted into a program offered by the Adventure Studies Department. A non-refundable commitment fee of $500 is required by June 1st to secure a place in the Adventure Sports Certificate, Adventure Guide Diploma, and Adventure Management Diploma. This fee will be applied to the first semester's tuition.

Successful applicants must submit:

- a completed Medical Examination Form for the certificate and diplomas,
- a signed Adventure Studies Department Liability Waiver, Assumption of Risk, and Indemnifying Release Form, sent out by the department, and
- Language Proficiency Index (LPI) results, if required.

Medical Examination

The certificate and diploma programs are physically demanding. Students must arrive in good physical condition suitable for participating in strenuous outdoor activities. A complete Medical Examination Form is required for the Adventure Sports Certificate, Adventure Guide Diploma and Adventure Management Diploma. This form will be forwarded to applicants from the department office upon acceptance to the program.

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

Legal Release Document

Due to the varying levels of risk associated with adventure travel and outdoor activities, participants must sign the Adventure Studies Department's Liability Waiver, Assumption of Risk, and Indemnifying Release Form. Participants may want to seek legal advice regarding their signing of this form.

Clothing and Equipment

Students provide their personal clothing and some equipment, such as a backpack, backcountry skis, skins, climbing harness, sleeping bag, and boots.

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

Fees

Depending on the program selected, Adventure Studies students pay normal TRU tuition plus activity fees for field courses. These activity fees vary per course and could total up to $6,000 per year depending on the courses a student takes and the program a student is enrolled in. Tuition and activity fees for the program average CDN$ 8,500 – 10,000 per year.

Fees include the following as may be required by the specific program:

- TRU tuition
- national and provincial association exams and certifications
- backcountry hut and lodge accommodation
- helicopter and all other course transportation
- equipment use
- campsite fees

Additional Costs

Additional costs will be incurred for things such as:

- food and living expenses while in Kamloops and on course trips
- purchasing or renting personal equipment
- purchasing 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.

Student Loans

Student loans are available for Adventure Studies programs. Students must apply to the student loan organization in their province or country of residence

Employment

Employment prospects for students and graduates from the Adventure Studies Department are excellent provincially, nationally, and internationally.

Dozens of job postings for students are received in the program office each year, and many companies have realized the benefits of hiring exclusively from TRU adventure program students.

Adventure Sports Certificate

Overview

The Adventure Sports Certificate is an 8-month introduction to adventure sports and the adventure industry. 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 Major in the Bachelor of Tourism Management degree.

Both domestic and international students may enroll in the Adventure Sports Certificate.

Activity Areas of Study

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
- whitewater kayaking

The TRU Advantage

TRU students in the Adventure Sports Certificate have a unique advantage: they may distinguish themselves by achieving any of five industry certifications from provincial and national adventure associations.

This benefits TRU adventure students who plan to work and establish careers in the adventure industry.

Industry Certification

The following is a sample of certifications available to Adventure Sports Certificate Students. The exact certification obtained will depend on the student's elective course selection and the ability to meet the standard of the individual certifying organizations.

British Columbia River Rafting Guide License:

- Oar
- Paddle

Canadian Avalanche Association:

- Safety for Ski Operations I

Rescue Canada:

- Swiftwater Rescue Technician

Paddle Canada:

- Flatwater Canoe Instructor

Wilderness Medical Associates:

- Wilderness First Responder

Program Progression and Course Lists

The courses required in the Adventure Sports Certificate are listed as follows. Detailed course descriptions can be found on our website (http://www.adventurestudies.ca) or in the TRU calendar.

Fall	
1	ADVG 102-3 Wilderness Travel
2	ADVG 153-2 Whitewater Kayaking
3	ADVG 151-2 Flatwater Canoe Instructor, or ADVG 264-2 Sea Kayaking I
4	ADVG 158-2 Mountaineering I
5	ADVG 105-3 Guiding Leadership I
6	ADVG 101-3 The Adventure Tourism Industry
7	ADVG 204-3 The Business of Adventure
8	ADVG 203-3 Advanced Wilderness First Aid

Winter	
1	ADVG 156-2-Ski Touring I
2	ADVG 155-2 Skiing I, or ADVG 245-2 Alpine Ski Instructor I, or ADVG 255-2 Telemark Ski Instructor I
4	ADVG 206-3 Legal Liability & Risk Management
	ADVG 283-3 Expedition Planning & Leadership
5	ADVG 157-2 Rock Climbing I
6	ADVG 160-2 Swiftwater Rescue Technician III
7	Plus any two activity electives from: ADVG 266-2 Rafting I ADVG 159-3 Avalanche I ADVG 251-2 Moving Water Canoe Instructor ADVG 252-2 Canoe Tripping Leader ADVG 275-2 Rafting II ADVG 276-2 Ice Climbing ADVG 277-2 Adventure Sports Photography
8	Activity elective

Adventure Guide Diploma

Overview

The Adventure Guide Diploma is a fast-paced, 2-year course of study comprised of field trips, outdoor skills instruction, 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.

Adventure Guide Diploma graduates work as outdoor skills instructors, mountain or river guides, and in other wilderness-related leadership occupations.

Activity Areas of Study

The TRU Adventure Guide Diploma program focuses on activities such as:

- backpacking
- heli-hiking
- heli-skiing
- mountaineering
- rock climbing
- river rafting
- ski touring
- snowboarding
- cross country skiing
- whitewater kayaking
- nature observation
- canoeing
- hiking
- ice climbing
- natural history
- SCUBA diving
- sailing
- sea kayaking
- search & rescue

The Adventure Guide Diploma provides students with a solid foundation in adventure activities and builds on their previous experience. Skill assessments at the start of the program ensure that students are developing their skills at the level most advantageous to them throughout their course of study.

Theoretical and Comprehensive Areas of Study

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

The TRU Advantage

TRU Adventure Guide Diploma students have a unique advantage: they may distinguish themselves by achieving any of more than 35 industry certifications from provincial and national adventure associations and the Association of Canadian Mountain Guides (ACMG).

This benefits TRU adventure students who plan to work and establish careers in the adventure industry.

Industry Certification

In addition to receiving the Adventure Guide Diploma from TRU, industry certificates may be obtained from the following industry associations, depending on a student's course selection and the ability to meet the standard of the individual certifying organizations.

Association of Canadian Mountain Guides/TRU:

- Assistant Alpine Guide
- Alpine Guide
- Assistant Ski Guide
- Ski Guide
- Assistant Rock Guide
- Rock Guide
- Hiking Guide
- Backpacking Guide
- Climbing Gym Instructor Level 1
- Climbing Gym Instructor Level II
- Climbing Gym Instructor Level III
- Top-Rope Climbing Instructor
- Association of Canadian Sea Kayaking Guides:
- Assistant Guide

British Columbia River Rafting Guide License:

- Oar
- Paddle

British Columbia Provincial Emergency Program:

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

Paddle Canada:

- Trip Instructor
- Lakewater Canoe Instructor
- Moving Water Instructor

Canadian Avalanche Association:

- Safety for Ski Operations I
- 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

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

Transport Canada:

- Restricted Marine Radio Operators License

Whitewater Kayak Association of British Columbia:

- Basic River Instructor
- River Instructor
- Advanced River Instructor

Wilderness Medical Associates:

- Wilderness First Responder

Program Progression and Course Lists

The following lists courses for year one and two studies of the Adventure Guide Diploma. Detailed course descriptions can be found on our website (http://www.adventurestudies.ca) or in the TRU calendar.

Fall year 1	
1	ADVG 101-3 The Adventure Tourism Industry
2	ADVG 102-3 Wilderness Travel
3	ADVG 105-3 Guiding Leadership
4	ADVG 203-3 Advanced Wilderness First Aid
5	Elective Activity
6	Elective Activity
7	Elective Activity

Winter year 1

1	ADVG 111-3 Emergency Situation & SAR Management
2	ADVG 180-3 Computer Applications for the Adventure Tourism Industry
3	ADVG 190-2 Expedition I
4	Elective Activity
5	Elective Activity

Fall year 2

1	TMGT 115-3 Marketing & Customer Service
2	ACCT 100-3 Financial Accounting
3	ADVG 204-3 The Business of Adventure
4	Elective Activity
5	Elective Activity
6	Elective Activity

Winter year 2

1	ADVG 206-3 Legal Liability & Risk Management
2	ADVG 285-3 Instructional Skills Workshop
3	ADVG 201-3 The Wilderness Environment
4	Elective Activity
5	Elective Activity
6	Elective Activity

Required Activity Courses:

Students must include the following five activity courses in their course selection:

1. ADVG 153-2 Kayak 1 or ADVG 249-2 Kayak II
2. ADVG 151-2 Flatwater Canoe Instructor or ADVG 264-2 Sea Kayaking 1
3. ADVG 155-2 Skiing 1 or ADVG 245-2 Alpine Ski Instructor 1 or ADVG 255- Telemark Ski Instructor 1
4. ADVG 156-2 Ski Tour 1 or 156ADVG 158-2 Mountaineering 1 or ADVG 281-2 Mountaineering 2
5. ADVG 157-2 Rock Climbing 1 or ADVG 280-2 Rock Climbing 2

List of Elective Courses

Detailed course descriptions can be found on our **website** (http://www.adventurestudies.ca) or in the TRU calendar.

ADVENTURE GUIDE DIPLOMA Elective Activity Courses Students must take a minimum of 7 courses (14 credits)		
Course	Course Title	Credits
ADVG 119	Standard Interpretative Guide Course	1
ADVG 151	Flatwater Instructor	2
ADVG 153	Kayak 1	2
ADVG 155	Skiing 1	2
ADVG 156	Ski Tour 1	2
ADVG 157	Rock Climbing 1	2
ADVG 158	Mountaineering 1	2
ADVG 159	Avalanche Safety for Ski Operations Level 1	2
ADVG 160	SRT 3: Swiftwater Rescue Technician	2
ADVG 205	Guiding Leadership 2	3
ADVG 214	International Adventure Tourism Business	3
ADVG 215	International Guiding	3
ADVG 216	Outdoor Education Planning and Design	3
ADVG 217	Outdoor Education Pedagogy	3
ADVG 218	Outdoor Education and the Law	3
ADVG 224	Top-Rope Climbing Instructor	2
ADVG 243	Day Hiking Guide	2
ADVG 244	Backpacking Guide	2
ADVG 245	Alpine Ski Instructor 1	2
ADVG 246	Swiftwater Rope Rescue	2
ADVG 249	Kayak 2	2
ADVG 251	Moving Water Canoe Instructor	2
ADVG 252	Canoe Tripping Leader	2
ADVG 253	Kayak 3	2
ADVG 254	Kayak 4	2
ADVG 255	Telemark Instructor	2
ADVG 256	Nordic Ski Instructor 1	2
ADVG 257	Ski Tour 2	2
ADVG 258	Guide Training Skiing – Touring	3
ADVG 259	Guide Training – Rock	2
ADVG 260	Guide Training – Alpine	3
ADVG 261	Assistant Rock Guide	3
ADVG 262	Rope Rescue Team member	2

ADVG 263	Rope Rescue Team Leader	2
ADVG 264	Sea Kayaking 1	2
ADVG 265	Sea Kayaking 2	2
ADVG 266	River Rafting 1	2
ADVG 267	Natural History 2	2
ADVG 268	Natural History 3	2
ADVG 269	Elective Activity	2
ADVG 270	Open Water Diver	2
ADVG 271	Advanced/Master Diver	2
ADVG 272	Dive Supervisor	2
ADVG 273	SRT 4: Swiftwater Rescue Specialist	2
ADVG 274	Swiftwater Rescue Instructor	2
ADVG 275	River Rafting 2	2
ADVG 276	Ice Climbing	2
ADVG 277	Adventure Sports Photography	2
ADVG 278	Ski Tour 3	3
ADVG 280	Rock Climbing 2	3
ADVG 281	Mountaineering 2	3
ADVG 282	Assistant Ski Guide	3
ADVG 283	International Expedition Planning and Leadership	3
ADVG 284	Coastal Sail Cruising 1	2
ADVG 290	Expedition 2	2
ADVG 293	Rock Climbing 3	2
ADVG 294	Mountaineering 3	2

Adventure Management Diploma

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.

This 60-credit Diploma is the most efficient course of study to transfer into the Bachelor of Tourism Management (BTM) degree. Diploma credits may be transferred into the BTM. It is also a credential recognizing two years of study if a student chooses not to continue in the BTM program.

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

Areas of Study

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
- wilderness first aid
- canoeing
- ice climbing
- rock climbing
- ski touring
- photography
- whitewater kayaking

Course Selection

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 100- or 200-level ADVG theory or activity course if they meet the prerequisites.

Program Progression and Course Lists

A sample of the sequence of courses in the Adventure Management Diploma is as follows. Detailed course descriptions can be found on our website (http://www.adventurestudies.ca) or in the TRU calendar.

Fall year 1

1	ADVG 101-3 The Adventure Tourism Industry
2	ADVG 105-3 Guiding Leadership
3	ENGL 106-3 Written Communication (TRU OPEN LEARNING DELIVERY) or equivalent
4	ADVG 102-3 Wilderness Travel
5	ELECTIVES (3 credits minimum)

Winter year 1

1	ADVG 180-3 Computer Applications
2	ADVG 201-3 The Wilderness Environment
3	STAT 102-3 Introduction to Statistics (TRU OPEN LEARNING DELIVERY) or equivalent
4	ELECTIVES (6 credits minimum)

Fall year 2

1	ACCT 100-3 Financial Accounting
2	ADVG 204-3 The Business of Adventure
3	ECON 200-3 Microeconomics or ECON 201-3 Macroeconomics (TRU OPEN LEARNING DELIVERY) or equivalent
4	TMGT 115-3 Marketing and Customer Service
5	ELECTIVES (3 credits minimum)

Winter year 2

1	ADVG 283-3 Expedition Planning & Leadership
2	ADVG 206-3 Legal Liability & Risk Management
3	ENGL 107-3 Business Communications (TRU OPEN LEARNING DELIVERY) or equivalent
4	ELECTIVES (6 credits minimum)

Application Guidelines for the Adventure Management Diploma

(note: these are different from the Adventure Guide Diploma and the Adventure Sports Certificate)

Applicants must meet the following educational requirements for entry into the Adventure Management Diploma:

- BC Grade 12 or equivalent, or mature student status
- English
- BC English 12 and Government exam with a combined grade of 73% or better within the last 5 years or completion of English 060 (university level English 12 equivalent) or Language Proficiency Index (LPI) with a Level 4 or better within the last 2 years or English as a Second or Additional Language ESAL 057 and ESAL 058 with a minimum grade of C+ or equivalent
- Mathematics
- BC Principles of Math 11 or Applications of Math 12 or Math 051 with a minimum C grade (Note: Students with BC Principles of Math 12 with C+ or better will be exempt from 1st year math [Math 110])
- Computer Skills
- Students with little or no experience using computers are advised to take COMP 100: Introduction to Information Technology as one of their electives before taking COMP 291: Computer Applications in Business (required in the BTM).

Canadian Mountain and Ski Guide Diploma

Overview

In 1996, TRU began to assist the Association of Canadian Mountain Guides (ACMG) with delivering the Canadian Mountain Guide Training and Certification program. The result of this collaboration is the evolution of the original ACMG program into the unique Canadian Mountain and Ski Guide Certification Program and Diploma at TRU.

The Canadian Mountain and Ski Guide (CMSG) Certification Program enables students to pursue certification to the standards of the Association of Canadian Mountain Guides (ACMG) and be recognized by the International Federation of Mountain Guide Associations (IMFGA). IMFGA mountain guides attain the highest level of mountain training and certification in the world and are recognized in 19 countries worldwide.

The Canadian Mountain and Ski Guide (CMSG) Diploma is a 60-credit program with activity, theory, elective and work experience courses. Most participants will attend on a part-time basis, completing the Diploma in a four- to five-year period.

CMSG graduates and ACMG certified guides will be able to

- demonstrate credibility and employability in the guiding industry,
- provide a high level of professional guiding services to clientele,
- pursue certification as guides to ACMG standards, and
- transfer academic credit to other TRU diploma and degree programs.

Graduates of the CMSG Certification and Diploma Programs may pursue further studies in adventure tourism, entrepreneurship, or tourism management by transferring credit into the third year of the 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.

Local and worldwide employment opportunities are extremely good in an industry that has a chronic shortage of fully qualified mountain guides. In British Columbia, alpine guides, ski guides and mountain guides are in high demand and short supply, particularly in the ski guiding industry.

The CMSG Certification and Diploma Programs are taught by experienced ACMG guiding professionals active in their personal and client-based adventure pursuits.

Admission to the Canadian Mountain and Ski Guide Diploma is highly selective, and applicants need to have prior, extensive outdoor skills and experience.

Students may become certified guides without completing the diploma, terminating their studies at any assistant or full guide certification point, or continuing on to complete the diploma.

Guide Specializations

In response to the trend in the adventure industry towards guides specializing in one particular discipline, three specializations are offered at TRU:

1. Alpine Guide
2. Ski Guide
3. Mountain Guide

Each specialization has pre-requisites and entry requirements with activity, theory, and elective courses leading to certification.

Alpine Guide - Alpine guides specialize in alpine, rock, and waterfall ice climbing terrain. Completing this specialization is a necessary prerequisite to entering the Mountain Guide stream, which can lead to full guide status as member of the ACMG and the IMFGA.

Students may achieve Assistant or Full Alpine Guide certification.

Ski Guide - The ski industry is the primary employer of ski and mountain guides in British Columbia. The incentives and opportunities offered in this specialization will enable graduates to meet the needs of industry, provide a higher level of service to clientele, and be more employable.

Students may achieve Assistant or Full Ski Guide certification.

Mountain Guide - The Mountain Guide specialization provides graduates with the skills and techniques necessary to carry out any mountain guiding activities in any terrain.

To become a mountain guide, students must complete the requirements for both the alpine and ski guide specializations.

Certification

Several certification options are offered separate from, or as part of, the CMSG Diploma.

Terrain-limited certifications may be attained upon completion of selected courses in each of the following guiding disciplines:

1. Assistant Rock Guide
2. Rock Guide
3. Assistant Ski Guide
4. Ski Guide
5. Assistant Alpine Guide
6. Alpine Guide
7. Mountain Guide

Several certifications may be taken separate from, or as part of, the Canadian Mountain & Ski Guide Diploma

Day Hiking Guide

Backpacking Guide

Climbing Gym Instructor I, II, or III

Top Rope Climbing Instructor

Note: Please contact the Adventure Programs Department for more information.

How To Apply For The CMSG Programs

The Canadian Mountain Ski Guide (CMSG) Diploma is intended for applicants who have extensive mountain recreation experience. It is not a general outdoor recreation or entry level program.

Applications are received year-round on a course-by-course basis until a specific course is full. Applicants must be at least 19 years of age and meet the educational and activity requirements for one of the specializations (Ski or Alpine).

Application is done course-by-course. The entry point to the CMSG Diploma is ADVG 259 (Guide Training–Rock) or ADVG 223 (Guide Training Skiing–Mechanized). Applicants accepted into one of these two courses are automatically registered in the CMSG Diploma.

Educational Requirements

Applicants must meet the following educational requirements for entry into the CMSG Diploma:

- BC Grade 12 or equivalent, or mature student status
- BC Math 11 or Math 051 or equivalent, with a minimum C+ grade
- BC English 12 or equivalent with a minimum C+ grade (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

Activity Requirements

Students must meet the entry requirements of either the Ski Guide or Alpine Guide specializations.

Alpine Guide

(Note: These are the prerequisites for ADVG 259 Guide Training–Rock, the entry point to the Alpine Guide specialization):

- Fifteen short routes (1–3 pitches) in the past year requiring protection placement to a minimum standard of 5.10c
- Fifteen sport climbs (fixed protection) slashed in the past year. Minimum 5.10d
- Significant red points in the past year that indicate the top climbing standard achieved
- Fifteen moderate-length multi-pitch routes requiring a full day to complete.
- Two or more longer routes requiring either a very long day or multiple days
- Several routes requiring direct aid-climbing experience
- Three or more years experience on several different rock types in different geographic regions
- Personal movement skills to 5.11 standard in rock shoes
- Skill references

Ski Guide

(Note: These are the prerequisites for ADVG 223–Guide Training Skiing–Mechanized, the entry point to the Ski Guide specialization)

- Fifteen one- or two-day tours in high alpine or glaciated terrain
- Two five-day or longer ski tours not hut-based, in high alpine or glaciated terrain
- Five longer tours (3 to 5 days) in remote glaciated terrain
- Five or more ascents of ski mountaineering peaks
- Relevant summer mountaineering experience
- Fifty days of recorded weather and snow pack observations to Canadian Avalanche Association standards
- Three or more years of experience in different geographic ranges
- Expert competency on skis in backcountry snow conditions
- Skill references

Please contact the Adventure Studies Department for an application package and explanation of the application process. You may telephone the Department Secretary at (250) 828-5221 or Dwayne Congdon at 250-371-5847 or email mailto:adventure@tru.ca.

Applicants to the CMSG Diploma will be asked to provide official transcripts of previous secondary and post-secondary education

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 Programs office for details.

Acceptance Into The CMSG Diploma

Written notice is sent to applicants who have been accepted into the CMSG Diploma.

Applicants accepted to the Diploma must submit

- a completed Medical Examination Form,
- a signed Adventure Program Department Liability Waiver, Assumption of Risk, and Indemnifying Release Form, sent by the Adventure Programs Department, and
- results of the Language Proficiency Index (LPI) if required.

Applicants accepted into ADVG 259 (Guide Training–Rock) or ADVG 223 (Guide Training-Skiing–Mechanized) are automatically registered in the CMSG Diploma.

Medical Exam

The CMSG Diploma is a physically demanding program. Students must arrive in good physical condition suitable for participating in strenuous outdoor activities.

A complete Medical Examination Form is required. This form will be forwarded to applicants from the department office when accepted to the program. Students must possess medical coverage.

Legal Release

Due to the varying levels of risk associated with adventure travel and outdoor activities, participants will be required to sign the Adventure Studies Department's Liability Waiver, Assumption of Risk, and Indemnifying Release Form. Participants may want to seek legal advice regarding their signing of this form.

Clothing and Equipment

Students provide all clothing and equipment including group equipment for CMSG programs unless specifically indicated in the course package.

CMSG Diploma Course Lists

CANADIAN MOUNTAIN AND SKI GUIDE DIPLOMA Alpine Guide Specialization		
Course	Course Title	Credits
ACCT 100	Financial Accounting	3
ADVG 159	Avalanche Safety for Ski Operations Level 1	2
ADVG 180	Computer Applications for the Adventure Tourism Industry	3
ADVG 201	The Wilderness Environment	3
ADVG 203	Advanced Wilderness First Aid	3
ADVG 206	Legal Liability and Risk Management	3
ADVG 231	Guide Training–Ice	2
ADVG 259	Guide Training–Rock	2
ADVG 260	Guide Training–Alpine	2
ADVG 261	Assistant Rock Guide	3
ADVG 285	Instructional Skills Workshop	3
ADVG 288	Assistant Alpine Guide	3
ADVG 289	Alpine Guide	3
ADVG 291	Avalanche Safety for Ski Operations Level 2	3
ADVG 292	Rescue Applications and Leadership	2
ADVG 297 or ADVG 235	Work Experience–Rock, or Work Experience–Ice	1
ADVG 298	Work Experience–Alpine	1
TOTAL REQUIRED CREDITS		42

CANADIAN MOUNTAIN AND SKI GUIDE DIPLOMA Ski Guide Specialization		
Course	Course Title	Credits
ACCT 100	Financial Accounting	3
ADVG 159	Avalanche Safety for Ski Operations Level 1	2
ADVG 180	Computer Applications for the Adventure Tourism Industry	3
ADVG 201	The Wilderness Environment	3
ADVG 203	Advanced Wilderness First Aid	3
ADVG 206	Legal Liability and Risk Management	3
ADVG 223	Guide Training Skiing – Mechanized	2
ADVG 230 ADVG 292	Ski Guiding Operations, or Rescue Applications and Leadership	3 2
ADVG 233	Alpine Ski Instructor 2	2
ADVG 234 ADVG 228 ADVG 229 ADVG 255	Powder Performance, or Alpine Ski Instructor Level 3, or Snowboard Instructor Level 2, or Telemark Instructor	2
ADVG 236	Work Experience – Mechanized Skiing	1
ADVG 258	Guide Training Skiing – Touring	2
ADVG 282	Assistant Ski Guide Exam	3
ADVG 285	Instructional Skills Workshop	3
ADVG 286	Ski Guide	3
ADVG 291	Avalanche Safety for Ski Operations Level 2	3
ADVG 296	Work Experience – Ski Touring	1
GERM 111 FREN 100 SPAN 111 JAPA 111	1st Year University French, or Introductory German, or Introductory Spanish, or Introductory Japanese 1	3
Required Credits PLUS: Elective Credits		45 15
TOTAL CREDITS		60

Transfer Credit

ACMG members who wish to enroll in the diploma will be able to transfer their existing certifications to obtain credit for up to 50% of the diploma, subject to TRU policy.

International Student Fees

International students are subject to TRU International Student policy and can expect to pay higher fees.

Fees

For current information refer to the ACMG website at www.acmg.ca or contact the Adventure Studies Department at www.adventureprograms.ca.

CANADIAN MOUNTAIN AND SKI GUIDE DIPLOMA Mountain Guide Specialization		
Course	Course Title	Credits
ACCT 100	Financial Accounting	3
ADVG 180	Computer Applications for the Adventure Tourism Industry	3
ADVG 201	The Wilderness Environment	3
ADVG 206	Legal Liability and Risk Management	3
ADVG 285	Instructional Skills Workshop	3
Required credits Required credits from Alpine Guide & Ski Guide Qualification PLUS: Elective credits		15 35 10
TOTAL CREDITS		60

CANADIAN MOUNTAIN AND SKI GUIDE DIPLOMA Complete List of Elective Theory Courses		
Course	Course Title	Credits
ADVG 111	Emergency Situation, Search & Rescue Management	2
ADVG 112	Food Preparation	1
ADVG 119	Standard Interpreters Course	1
ADVG 202	The Cultural Environment	2
ADVG 204	The Business of Adventure Tourism	3
ADVG 205	Guiding Leadership	3
ADVG 214	International Adventure Tourism Business	3
ADVG 215	International Guiding	3
ADVG 216	Outdoor Education Planning and Design	3
ADVG 217	Outdoor Education Pedagogy	3
ADVG 218	Outdoor Education and the Law	3
ADVG 219	Professional Interpreters Course	2
ADVG 230	Ski Guiding Operations	3
ADVG 241	Weather and Climate for Guides	3
ADVG 277	Mountain Photography	2
ADVG 283	Expedition Planning and Leadership	3
FREN 100	Introductory French 1	3
GERM 111	Introductory German 1	3
JAPA 111	Introductory Japanese 1	3
SPAN 111	Introductory Spanish 1	3
TMGT 115	Marketing and Customer Service	3
ADVG 220	Climbing Gym Instructor 1	1
ADVG 221	Climbing Gym Instructor 2	1

ADVG 222	Climbing Gym Instructor 3	1
ADVG 223	Guide Training Skiing – Mechanized	2
ADVG 229	Snowboard Instructor	2
ADVG 231	Guide Training – Ice	2
ADVG 233	Alpine Ski Instructor 2	2
ADVG 234	Powder Performance	2
ADVG 243	Day Hiking Guide	2
ADVG 244	Backpacking Guide	2
ADVG 255	Telemark Instructor	2
ADVG 258	Guide Training Skiing – Touring	2
ADVG 259	Guide Training – Rock	2
ADVG 260	Guide Training – Alpine	2
ADVG 261	Assistant Rock Guide	3
ADVG 262	Rope Rescue	2
ADVG 263	Rope Rescue Team Leader	2
ADVG 269	Elective Activity	2
ADVG 282	Assistant Ski Guide	3
ADVG 286	Ski Guide	3
ADVG 287	Rock Guide	3
ADVG 288	Assistant Alpine Guide	3
ADVG 289	Alpine Guide	3
ADVG 292	Rescue Applications and Leadership	2
ADVG 044	Top Rope Instructor	2

Adventure Studies in the Bachelor of Tourism Management

Overview

The growth of the adventure travel industry is paralleled by a growing need for capable adventure tourism managers. Governments, businesses, organizations, and communities require tourism experts to help develop, direct, and promote adventure experiences in their villages, cities, regions, and countries.

Adventure studies as a major or minor within the Bachelor of Tourism Management degree equip students for these opportunities by offering courses in the following topics:

- adventure and sport tourism marketing
- adventure tourism business management
- contemporary issues in adventure tourism
- eco and adventure tourism programming
- nature-based adventure tourism
- international adventure business and community development
- legal liability and risk management
- policy development and planning

To build upon students' existing skills and competencies, credits completed from the Adventure Guide Diploma, the Adventure Sports Certificate, the Adventure Management Diploma, the Canadian Mountain and Ski Guide Certification program, and tourism or recreation programs from other post-secondary institutions may be transferred into this degree. Students may study full- or part-time. To maximize exposure to adventure studies, it is recommended that students take the Adventure Management Diploma as the first two years of study in the BTM.

The unique combination of theory and practice produces competent graduates who quickly apply the skills they gained as students to their careers:

- as consultants to businesses, organizations, communities, and governments
- as research assistants
- as tourism product developers
- as tourism industry professionals
- as adventure tourism entrepreneurs and business managers

International Opportunities

As part of their course work, BTM in Adventure Studies students participate in numerous projects for local and foreign agencies. An international field trip is offered every year to familiarize students with adventure industry development abroad.

Entry into the BTM

Students who are planning on completing the BTM in Adventure Studies may complete their first two year lower-level course requirements in a variety of ways. These include:

1. Completion of the Adventure Management Diploma as lower-level BTM course requirements. This is the most efficient path for completing lower-level BTM requirements because all 60 credits of this program may transfer directly into the BTM. It is also the recommended route for students wishing to maximize the amount of adventure-related credits in their studies because 45 of the 60 lower-level credits are Adventure Studies Department course credits.

2. Completion of general tourism and business courses as lower-level BTM course requirements. This is an efficient path for completing lower-level BTM requirements because students can take 60 credits that may transfer directly into the BTM and meet all upper-level prerequisite requirements. However, there are only 12 elective credits available for lower-level Adventure Studies Department courses. For more information on this path please see the course requirements found on our website (http://www.tru.ca/tourism/mngt/degree/btmrequirements.html).

3. Completion of the Adventure Guide Diploma as lower-level BTM course requirements. This is a less efficient path for completing lower-level BTM requirements because students may need to take additional courses to meet BTM requirements. This means that students who complete this path require an additional semester or more in order to complete the BTM.

4. Completion of the Adventure Sport Certificate as lower-level BTM course requirements. All 39 credits taken in the Adventure Sport Certificate transfer directly to the BTM. The additional 21 lower-level credits required for entry to the 3rd year of the BTM can be chosen from any of the three program paths described above.

5. Completion of transfer credits at other post-secondary institutions. Each year the BTM accepts large numbers of students who transfer from other post-secondary tourism, adventure tourism, and recreation programs around the world. The levels of transfer credit given varies widely and students should contact the BTM Program Advisor for information.

Areas of Study

The Adventure Studies in the BTM offers the following study areas:

Honours Degree in Adventure

Students with a GPA of 3.0 or better can apply to the Honours program upon entering year 3 of the BTM. This degree allows for concentrated study in a student's area of interest by completing 30 upper level credits and the Honours Thesis. Please contact the BTM Program Advisor, Jerita Heer at (250)377-6072 or email (mailto:jheer@tru.ca).

REQUIRED COURSES (12 credits)	
ADVG 401-3	Business Applications for Eco and Adventure Tourism Management
ADVG 408 OR TMGT 402	Graduating Seminar Graduating Seminar
TMGT 499 (6 credits)	Honours Thesis
AND 24 CREDITS FROM THE FOLLOWING COURSES:	
ADVG 402-3	Legal Liability and Risk Management for Eco and Adventure Businesses
ADVG 403-3	Contemporary Perspectives in the Eco and Adventure Industry
ADVG 404-3	Programming Experiential Activities
ADVG 405-3	International Adventure Tourism Business
ADVG 407-3	Directed Studies in Adventure
ADVG 409-3	International Adventure Tourism Community Development
ADVG 410-6 (6 credits)	Adventure Tourism Field Trip
ADVG 411-3	Adventure Tourism Field Trip
ADVG 421-3	Adventure Sport Marketing
ADVG 422-3	The Culture of Adventure
ADVG 423-3	Consulting in Adventure

Adventure Studies Major or Minor

By focusing on adventure programming, marketing, and legal and current issues, students are prepared to start or manage an adventure tourism business locally or internationally. The Adventure Studies Major is comprised of 6 required course credits, and 18 upper level elective credits, for a total of 24 credits

Adventure Studies Major (24 Credits)

REQUIRED COURSES (6 credits)	
ADVG 401-3	Business Applications for Eco and Adventure Tourism Management
ADVG 408 OR TMGT 402	Graduating Seminar Graduating Seminar
AND 18 CREDITS FROM THE FOLLOWING COURSES:	
ADVG 402-3	Legal Liability and Risk Management for Eco and Adventure Businesses
ADVG 403-3	Contemporary Perspectives in the Eco and Adventure Industry
ADVG 404-3	Programming Experiential Activities
ADVG 405-3	International Adventure Tourism Business
ADVG 407-3	Directed Studies in Adventure
ADVG 409-3	International Adventure Tourism Community Development
ADVG 410-6 (6 credits)	Adventure Tourism Field Trip
ADVG 411-3	Adventure Tourism Field Trip
ADVG 421-3	Adventure Sport Marketing
ADVG 422-3	The Culture of Adventure
ADVG 423-3	Consulting in Adventure

Adventure Studies Minor (12 credits)

REQUIRED COURSE (3 credits)	
ADVG 401	Business Applications for Eco and Adventure Tourism Management
ANY 9 CREDITS FROM THE FOLLOWING COURSES	
ADVG 402-3	Legal Liability and Risk Management for Eco and Adventure Businesses
ADVG 403-3	Contemporary Perspectives in the Eco and Adventure Industry
ADVG 404-3	Programming Experiential Activities
ADVG 405-3	International Adventure Tourism Business
ADVG 407-3	Directed Studies in Adventure
ADVG 409-3	International Adventure Tourism Community Development
ADVG 421-3	Adventure Sport Marketing
ADVG 422-3	The Culture of Adventure
ADVG 423-3	Consulting in Adventure

International Adventure Tourism Development Minor

The emphasis on the global tourism industry together with a field trip to another continent gives students first-hand knowledge and experience to pursue international opportunities. Since 2003, students in this study area have fulfilled field trip requirements in Chile.

This minor is comprised of a minimum of 12 required course credits.

ADVG 401	Business Applications for Eco and Adventure Tourism Management
ADVG 405	International Adventure Tourism Business
ADVG 409	International Adventure Tourism Community Development
ADVG 410 (6 credits) OR ADVG 411 (3 credits)	Adventure Tourism Field Trip Adventure Tourism Field Trip

Animal Health Technology Diploma

Chairperson

SEDGMAN, DAVE, D.V.M. (Sask.), Animal Health Technology, Chairperson, Agriculture-Related Programs

Two Year Diploma Program Description

The program is designed to train individuals for employment as professionals in the field of veterinary medicine. The Animal Health Technologist works under the supervision of veterinarians and veterinary scientists in a variety of areas including diagnostic testing, x-ray, medical procedures, office protocol, animal nursing, anaesthesia and surgical assistance. Although most graduates are employed in private veterinary practices, positions may be obtained with the Federal and Provincial governments' Health of Animals branches, animal shelters, medical research centers, Zoological Parks and other animal oriented areas in the public and private sectors. Graduates can expect a varied and satisfying career.

This program is accredited by the Canadian Veterinary Medical Association, and combines classroom and laboratory instruction, field and clinical experience involving small and large animals. Large animal work is carried out in a separate facility where students develop "hands on" experience with cattle, calves, pigs, horses and other livestock.

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 care for University animals. This involves evening and weekend duty. During the second year of the program, six weeks of practical experience are required at facilities throughout British Columbia.

Instructional Year

In the fourth semester, the program runs from the beginning of January until early June. The practicum sessions are divided into two time periods, late February to mid March, and the beginning of May to early June.

Application Deadline

Applications for admission to Animal Health Technology must be received by the 15th of February for admission the following September. Admissions are selective for the 24 seats available. The deadline for completion of courses in progress is August 1st.

It is the candidate's responsibility to ensure that all the required documents are received by TRU admissions by the application closing date of February 15.

Admission Requirements

Minimum criteria for admission

a. Educational Requirements

1. B.C. Grade 12 or equivalent, C average
2. B.C. Principles of Math 11 or equivalent*, C+ minimum grade
3. B.C. Chemistry 11 or equivalent*, C+ minimum grade
4. B.C. Biology 11 or equivalent*, C+ minimum grade
5. The prospective applicant must also have taken one British Columbia Grade 12 Science (or equivalent*, C+ minimum grade). If this course is Biology 12 or BIOL 060 then the requirement for Biology 11 (or equivalent*, C+ minimum grade) is waived. Note: Biology 12 or BIOL 060 is recommended.
6. B.C. English 12/Government Composite of 67% * or LPI Level 3 or English 060 C+ minimum

Consult Department Chairperson for course equivalencies

Note: Mature student status does not apply to this program.

b. General Requirements

1. Canadian Citizenship or Landed Immigrant Status
2. Evidence of orientation to a veterinary practice (signature of veterinarian required). It is recommended that applicants **attempt to complete two weeks** working or volunteering in a veterinary clinic.
3. Submission of completed questionnaire with application
4. One reference letter is recommended from each of the following 3 areas:
   - current veterinary orientation site
   - other animal related experience site
   - any non veterinary work or volunteer experience
5. Submission of result of Language Proficiency Index if no Grade 12 English
6. Computing experience recommended.
7. Attendance at Program Orientation session and Admissions Interview upon invitation from the Animal Health Technology Department
8. Successful medical – upon acceptance
9. Complete immunization schedule – upon acceptance

Competition for admission to the AHT program is extremely intense and meeting the minimum requirements does not guarantee admission or an interview.

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. Practical experience in a veterinary facility is considered essential for admission to the AHT program. Consultation with practicing AHTs is strongly advised. Successful applicants may be required to spend additional time at a veterinary facility before commencing classes.

Note: The Chairperson may at his or her discretion, waive certain entrance requirements. Please contact the Chairperson for advice.

The Application Process

Prospective students must submit a complete application package to the program, to be received no later than February 15. The application should include evidence of meeting all program prerequisites including all interim grades. All required courses must be in progress (high school students only) or at least 50% completed by the application deadline. The deadline for completion of courses in progress is August 1st.

Selected applicants will be required to attend an orientation session on the day of their interview. Personal interviews will take place in March. At the discretion of the interview committee, a phone conference call may take place.

Note: Students who have previous post-secondary educational credits and are uncertain of their eligibility for an advanced placement in the program may contact the Department Chairperson by telephone for individual counselling.

The application package can be obtained by contacting one of the following:

Leanne Walker, AHT Admissions, Registrars office
lwalker@tru.ca, (250) 828-5045

Carol Costache, AHT Program Assistant
ccostache@tru.ca, (250) 377-6104

David Sedgman DVM, Program Chair
sedgman@tru.ca, (250) 828-5192

AHT web site (http://www.tru.ca/schs/aht/)

Admission Criteria and Interviews

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 letters if possible
3. other animal related experience such as on a farm, in an SPCA shelter, at a wildlife refuge, in research, etc. – include reference letters if possible
4. other work or volunteer experience – include reference letters if possible
5. the interview

All interviewees will be asked similar questions, and as a result of their responses, will be ranked in a number of categories designed to determine, for example, their knowledge of the veterinary profession and animal health technology, their work experience, communication skills and motivation.

After the interview each applicant will be classified as:

1. accepted into program (twenty four seats are available)
2. alternate for acceptance (wait listed), or
3. not accepted into program

Applicants will be notified by telephone or in writing of their status after April 01. Those who are offered seats will be required to pay a commitment fee within 3 weeks of official notification of acceptance. Students on the wait list will be notified of their status as soon as possible, and if admitted will be given three weeks after the date of notification to pay their commitment fees to confirm a seat.

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.

Applicants have the right to appeal admission decisions. Appeal procedures are described in the Academic Information section of the Calendar.

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 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.

When the number of repeating student applicants for a program exceeds the number of available seats, the student(s) admitted will be those who achieved the highest cumulative GPA over courses listed in the program matrix. The relevant department may require potential repeating students to challenge certain portions of courses in which they previously received credit, in order that the currency of practical skills can be assessed. All potential repeating students are reminded that they are subject to program completion-time requirements.

A student who receives a failing grade in a course for failure 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 Department Chairperson and the approval of the Divisional Dean.

Costs

Tuition: See Fees/Payment of Fees (Step 3) (on page 8) section of the calendar.

Books and supplies: Approximately $800/semester.

Special clothing, duplicating, leashes, lockers, AHT of BC meeting, etc.: $450

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, AHT of BC meeting and field work experience (ANHT 260). Each of these are mandatory.

Students are also expected to receive rabies immunization, given at no cost once enrolled into the program, unless they are excused by a medical certificate.

Course Requirements

First Year		
ANHT	101	Laboratory Mathematics
ANHT	109/199	Animal Behaviour 1 and 2
ANHT	151	Veterinary Terminology
ANHT	152/162	Animal Nursing 1 and 2 (L)
ANHT	153	Immunology
ANHT	154	Veterinary Office Management (L)
ANHT	155	Computer Applications for Animal Health Technologists
ANHT	156	Pharmacology
ANHT	159	Domestic Animal Anatomy & Physiology 1 (L)
ANHT	169	Domestic Animal Anatomy & Physiology 2 (L)
ANHT	172/173	Veterinary Clinical Pathology 1 and 2 (L)
ANHT	180	Parasitology (L)
ENGL	166	Occupational Writing for AHTs
MICR	158/168	Veterinary Microbiology 1 and 2 (L)
Second Year		
ANHT	209/299	Animal Behaviour 3 and 4
ANHT	220	Clinical Practicum 4
ANHT	251	Anaesthesiology (L)
ANHT	252	Clinical Practicum 1
ANHT	253	Large and Small Animal Diseases
ANHT	254	Large Animal Science
ANHT	255/265	Large Animal Clinics 1 and 2 (L)
ANHT	257/267	Surgical Assistance 1 and 2 (L)
ANHT	258/268	Radiology 1 and 2 (L)
ANHT	259/262	Animal Nursing and Ward Care 3 and 4 (L)
ANHT	260	Field Work Experience
ANHT	261	Theriogenology
ANHT	263	Clinical Practicum 2
ANHT	264	Anaesthesia and Intensive Care (L)
ANHT	269	Laboratory Animals (L)
ANHT	270	Communications for Animal Health Technologists

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 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.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Animal Health Technology Distance Education Program (AHTDE)

Chairperson

SEDGMAN, DAVE, D.V.M. (Sask.), Animal Health Technology, Chairperson, Agriculture-Related Programs

Three Year Diploma Program:Program Description

AHT Distance Web Site (http://www.tru.ca/schs/aht/disted/index.html)

The program is designed to train individuals for employment as professionals in the field of veterinary medicine. The Animal Health Technologist works under the supervision of veterinarians and veterinary scientists in a variety of areas including diagnostic testing, x-ray, medical procedures, office protocol, animal nursing, anaesthesia and surgical assistance. Employment opportunities can be found with private veterinary practices, medical research centers, zoological parks, government laboratories, animal shelters, wildlife rehabilitation centers, pharmaceutical companies, teaching institutions and commercial farms. Graduates can expect a varied and satisfying career.

The AHTDE program is intended to allow qualified individuals to obtain the theoretical portion of their training by distance education using a combination of electronic and classical hard copy technologies. The clinical, "hands on" training that is vitally important to a competent Animal Health Technologist (AHT) will be provided at their place of work. The TRU AHTDE program is available to students anywhere in Canada.

The program is designed to be completed in a minimum of three years. There will be three semesters per year of twelve weeks duration each. During each semester the student will take a maximum of two courses. There is also the opportunity for graduate AHT's to take specific courses for Continuing Education credits. The student may opt to periodically delay enrolling in the next semester of the program but they must complete the entire program within four years of initial enrollment.

If the student successfully completes the first year of the AHTDE program they will receive a Certificate of Completion stating that they have achieved the required skills necessary to perform the duties of a Veterinary Receptionist.

If the student successfully completes the second year of the AHTDE program they will receive a Certificate of Completion stating that they have achieved the required skills necessary to perform the duties of a Veterinary Assistant.

Successful completion of year three of the AHTDE program and a successful challenge of the Veterinary Technician National Board Exam (VTNE) will result in the student being awarded an Animal Health Technologist Diploma. The student must apply for registration with their provincial AHT Association to be recognized as a Registered Animal Health Technologist.

The Application Process

Prospective students must submit a complete application package to the program, to be received no later than September 30 of the year preceding the January start date. The application should include evidence of meeting all program prerequisites.

Note: Students who have previous post-secondary educational credits and are uncertain of their eligibility for an advanced placement in the program may contact the Department Chairperson by telephone for individual counselling.

The application package is available online: AHT Distance Web Site (http://www.tru.ca/schs/aht/disted/index.html)

Admission Criteria

Admission to the program is based on the following criteria:

The student must have completed the program prerequisites and have a signed Clinical Instruction Site Affiliation Agreement. There will be no further selection or interview process.

Applicants have the right to appeal admission decisions. Appeal procedures are described in the Academic Information section of the Calendar.

Admission Requirements: minimum requirements

- B.C. Grade 12 or equivalent*, C (60%) average
- B.C. Principles of Math 11 or equivalent*, C+ (65%) average
- B.C. Chemistry 11 or equivalent*, C+ average
- B.C. Biology 11 or equivalent*, C+ average
- The prospective student must also have taken one British Columbia Grade 12 Science (or the equivalent*, C+ average). If this course is Biology 12 or BIOL 060 then the requirement for Biology 11 (or equivalent*, C+ minimum grade) is waived. Note: Biology 12 or BIOL 060 is recommended.
- B.C. English 12/Government Composite of 67% or LPI Level 3 or English 060 C+ minimum (or the equivalent*, C+ average)
- Evidence of computer skills*. The student must be familiar with basic word processing, email management and internet navigation. Exposure to a veterinary office management software program would be beneficial.
- A signed TRU - Clinical Instruction Site Affiliation Agreement verifying:
    - that 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
    - that a DVM or RAHT has agreed to be the "Clinical Instructor" for the student during the time they are enrolled in AHTDE program courses.
        - that the clinic meets or exceeds the British Columbia Practice Standards (http://www.bcvma.org/)

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 on a first come, first served basis. The remaining applicants will be placed on a wait list for the next year's start. Class start dates and class size will be subject to the growth and success of the AHTDE program.

- Consult Department Chairperson for course equivalencies

Note: The Chairperson may at his or her discretion, waive certain entrance requirements. Please contact the Chairperson for advice.

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.** If student applications warrant a change the TRU AHTDE program may move to enrollment on a semester by semester basis which would decrease the waiting time to reenter the program.

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 may result in the student being required to withdraw from the program - consult the TRU AHTDE Program Coordinator.
- One course result of less than C (60%) and no less than C- (55-59%) may result in the student being put on probation for the remainder of the program. A subsequent mark of less than C (60%) in any course in the program will result in the student being required to withdraw from the program.
- A student can reapply to the program after a period of one year. The student will be expected to retake the entire year in which the course failure occurred.
- A "deferred - DEF" grade will apply if the following criteria have occurred.
    - The reason for the work interruption was because of "unavoidable absence or other causes beyond the student's control"
    - The student's work was at a passing level at the time the interruption occurred.
    - Resolution of this "DEF" grade will be negotiated with the Program Chairperson. The usual time limit allowed is six weeks, at which time the status becomes "did not complete - DNC" (Please consult the TRU calendar for an explanation of letter grades). The student cannot move on to subsequent courses or years where the incomplete course was a prerequisite until the incomplete status has been rectified.

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.

Costs

Fees for the TRU AHTDE program are $250 per credit. There are an average of six credits per semester for a total of $1500 per semester.

Additional and Ancillary Fees incurred by on campus AHT students do not apply to AHTDE students (Student Society Fees etc.)

Texts, course note and supplies will average approximately $150 per course. (This is an estimate only - prices may change without notice).

All expenses incurred by the student during the duration of this program are the responsibility of the student. This includes all work place expenses, travel to clinical instructional sites, computer and internet costs, invigilation costs, videotaping costs, mailing and phone charges, etc.

This program qualifies for Canadian Student Loans.

Course Requirements

First Year		
ANHD	101	Office Skills (semester 1)
ANHD	110	Anatomy and Physiology 1 (semester 1)
ANHD	111	Laboratory Procedures 1 (semester 2)
ANHD	112	Animal Nursing 1 (semester 2)
ANHD	113	Animal Behaviour (semester 3)
ANHD	114	Animal Disease (semester 3)
Second Year		
ANHD	211	Laboratory Procedures 2 (semester 1)
ANHD	221	Laboratory Procedures 3 (semester 1)
ANHD	210	Anatomy and Physiology 2 (semester 2)
ANHD	212	Animal Nursing 2 (semester 2)
ANHD	213	Radiology (semester 3)
ANHD	214	Pharmacology (semester 3)
Third Year		
ANHD	314	Anaesthesia (semester 1)
ANHD	317	Animal Nursing 3 (Semester 1)
ANHD	311	Laboratory Procedures 4 (semester 2)
ANHD	312	Intensive Care (semester 2)
ANHD	315	Laboratory Animals (semester 3)
ANHD	316	Large Animal Science (semester 3)

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.

Application Deadline

Application for entry into the program must be received by September 30 of the year preceding the January start date.

Course Descriptions

See **Course Description** section at the back of this calendar for detailed course information.

Instructional Year

Enrollment is on a yearly basis with classes starting the beginning of January of each year. If demand for the program is demonstrated, our goal is to have new classes enrolled every semester.

Winter Semester - January to March -12 weeks

Spring Semester - May to July - 12 weeks

Fall Semester - September to November - 12 weeks

Animal Welfare Certificate

Program Coordinator

SEDGMAN, DAVE, D.V.M. (Sask.), Animal Health Technology, Chairperson, Agriculture-Related Programs

Program Description

The program is a joint effort between the British Columbia Society for the Prevention of Cruelty to Animals and Thompson Rivers University. The purpose of the program is to enable animal care workers, students and members of the public who wish to learn more about the animal humane field a means of upgrading their knowledge via distance education. The courses involved cover all aspects of running an animal humane shelter. The advanced course extends this understanding into the public domain with topics such as animal cruelty investigations, the human animal bond, human conflict resolution and the connection between animal and child abuse.

Method of Delivery and Assessment

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 assignments can be sent to the AWCP instructor via any means. We encourage the use of the internet and e-mail as the method of assignment submission. Students will be assigned passwords to enable them to access a WebCT site. This site will allow a chat room for AWCP students only, a means of checking on marks and a method of submitting assignments and receiving marked assignments.

Application

This is a continuous entry program. The student can apply at any time during the calendar year.

Application information is described in more detail at our ACWP Web Site (http://www.tru.ca/schs/dist_ed/awcp/**)**

An information/application package can be obtained by contacting one of the following:

Leanne Walker, AWCP Admissions, Registrar's office
Email (mailto:lwalker@tru.ca)**, (250) 828-5045**

Carol Costache, AWCP Program Assistant
Email (mailto:ccostache@tru.ca)**, (250) 377-6104**

David Sedgman DVM, Program Chair
Email (mailto:sedgman@tru.ca)**, (250) 828-5192**

Admission Requirements

There are no course prerequisites – grade 12 equivalent is recommended.

Timelines

The student needs to have an AWCP course completed within eight months. A three-month extension may be granted but an Extension Rewrite fee will be charged. Only one extension will be granted.

Accreditation

The TRU Biology department will accept either AWCP 170 or AWCP 171 as a “non-science” elective (but not both). The Arts Program committee has accepted both AWCP 170 and AWCP 171 as “non-Arts” credit courses. The Social Work Program will accept AWCP 170 and AWCP 171 as “general studies” credits.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Asthma Educator Certificate

Program Governance

Chairperson

SHEETS, DAVID, R.R.T. (U.C.C.), I.D. (V.C.C.), M.A. (Royal Roads), Chairperson, Allied Health

Program Coordinator

CHAN, JANINE, B.Sc., B.A. (Wash.), R.R.T. (U.C.C.), I.D. (V.C.C.), C.A.E. (C.N.A.C.), Respiratory Therapy

Admission Requirements

Prerequisites: 2 year diploma or certificate from a recognized health care field as defined by CNAC (Canadian Network for Asthma 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: jchan@tru.ca (mailto:jchan@tru.ca) .

The program content and costs are further described on the Asthma Educator Program webpage (http://www.tru.ca/schs/dist_ed/asthma/index.html)

General

The TRU Asthma Educator Program is a CNAC approved, online delivered, 3 course program (ASHS 461, 462, 463) that satisfies the CNAC learning objectives to prepare the interested health care professional to write the CNAC national certification exam to be come a certified asthma educator (CAE).

Health care professionals with this training and certification will be able to help individuals with asthma better manage their disease and optimize their quality of life.

This certificate program of study has been assigned 6 upper level credits in the TRU Bachelor of Health Science.

For more information on this and the Certified Respiratory Educator (CRE) program, please contact the Coordinator, Asthma Educator Program: 250-371-5543.

Business Programs

Accounting Certificate/Accounting Technician Diploma

Dean of the School of Business and Economics

YOUNG, MURRAY, B.A., M.B.A. (Indiana), Ph.D. (Ohio)

Chairperson

WARREN, BERNIE, B.Sc.F. (Toronto), M.A.Sc. (Waterloo), Management Science & MIS, Chairperson, Management

Program Coordinator

DESJARDINS, IVAN, B.B.A. (Bishop's), Dipl. Pub. Acc. (McGill), M.Tax. (Sherbrooke), C.A., Accounting & Finance

Program Description

The primary goal of the Accounting Technician Diploma is to train accounting technicians, who generally work as supervisors in accounting departments or as para-professionals in public accounting firms. However, students in this program have a number of other options. Those who complete the first year will, upon application, receive an Accounting Certificate. This certificate will qualify students for positions as accounting clerks. Students may also decide to continue their education in order to attain a degree and become a professional accountant.

Admission Requirements

Entry into the Accounting Technician Diploma program is on a competitive basis. All applicants must meet the following educational requirements to be considered for admittance:

1. B.C. Grade 12 or mature student status
2. B.C. Principles of Math 11 or equivalent with a C+ or better

   or

   B.C. Applications of Math 12 with a pass (50%) or better

   or

   Completion of MATH 051 with a C+ or better

   Completion of Math 12 is recommended with a C+ or better

3. 73% on the combined English 12 and Government Exam (within the last 5 years)

   or

   Level 4 on the Composition Section of the LPI (within the last 2 years)

   or

   Completion of ENGL 060

   or

   Completion of ESAL 057 and ESAL 058 with a C+ or better

   The LPI test score is valid for admission only if it has been written in the last 2 years. If your test was written over 2 years ago you must re-write. Information pamphlets can be picked up at the Assessment Centre, Room OM1762 or by contacting (250) 828-5470. There is a fee to write the LPI.

Only the top 36 applicants will be accepted into the program. Students will be notified in writing in early June as to whether they have been successful. It is recommended that students have effective keyboarding skills and be familiar with the operation of a microcomputer prior to beginning the program.

Orientation Session

The 36 students accepted to this program will be required to attend an orientation session in Kamloops in mid-June. Students will be informed of the time and location of this session in their acceptance letter.

Application

To apply to the program, students should write, phone, or drop by TRU for an admission package. Contact:

Admissions
Thompson Rivers University
Box 3010 Kamloops, BC
V2C 5N3
Telephone: (250) 828-5071

All applications must be submitted by April 30, 2007. Late applications will be accepted, but will only be processed if there is space remaining in the program. If you were not accepted or applied but did not attend last year, you must submit a new application form.

Course Requirements

First Year	
Fall Semester	
ACCT 121	Financial Accounting 1
BBUS 137	Management Information Systems 1
ECON 195 ECON 122	Principles of Macroeconomics or Introduction to Basic Economics
ENGL 181	Business, Professional, and Academic Composition
MNGT 131	Business Mathematics
Winter Semester	
ACCT 122	Financial Accounting 2
ACCT 192	Accounting Systems 1
ECON 190 ECON 243	Principles of Microeconomics or Global and Canadian Economic Issues
ENGL 191	Report Writing and Business Presentations
MNGT 293	Commercial Law

Second Year	
Fall Semester	
ACCT 254	Cost and Management Accounting 1
ACCT 255	Intermediate Financial Accounting 1
ACCT 257	Income Taxation 1
STAT120	Introduction to Statistics
MNGT 210	Introduction to Financial Management
Winter Semester	
ACCT 262	Auditing
ACCT 264	Cost and Management Accounting 2
ACCT 265	Intermediate Financial Accounting 2
ACCT 267	Income Taxation 2
MNGT143	Introduction to Marketing

Notes: Students with a B or better in Advanced Accounting 12 may be admitted directly into ACCT 122. Students must achieve a grade of C- or better in all courses to graduate.

Professional Accounting Designations

The Program Coordinator can be of particular value to those students who are considering becoming a CA, CMA, or CGA and who are interested in taking specific exemption courses only. The coordinator has copies of the information brochures published by each of the professional accounting bodies.

Representatives of the CMA, CGA and CA's will be invited to speak to the students each year.

Bachelor of Business Administration Laddering

Graduates of the Accounting Technician Diploma can ladder into the Bachelor of Business Administration Degree and receive full credit for their diploma subject to a minimum grade requirement. Students should be able to complete the program in as little as two years. Potential laddering students must take the university transfer courses in Economics in the first year of the diploma (ECON 190 and ECON 195).

Contact the BBA Program Advisor for additional information.

Part-Time Students

For those students who only wish to acquire or update their clerical accounting skills, ACCT 121, ACCT 122, BBUS 137, and ACCT 192 are an excellent combination. These four courses will give the student excellent manual accounting skills and familiarize him or her with the most current computerized accounting software packages.

Students interested in taking exemption courses to earn a professional accounting designation should also enrol part-time.

Full-time students are given preference for enrolment purposes, but generally space is available for all qualified applicants.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Certificate in Management/Diploma in Management

Dean of the School of Business and Economics
YOUNG, MURRAY, B.A., M.B.A. (Indiana), Ph.D. (Ohio)

Chairperson
WARREN, BERNIE, B.Sc.F. (Toronto), M.A.Sc. (Waterloo), Management Science & MIS, Chairperson, Management

Program Coordinator
T.B.A.

Program Description

The Diploma in Management is designed to give career-oriented education and training in business management. It provides students with the knowledge and skills needed to obtain employment in existing organizations or to initiate their own small business ventures. Those who complete the first year will, upon application, receive the Certificate in Management.

Admission Requirements

1. B.C. Grade 12 or mature student status
2. Principles of Math 11 with a C+ or better or B.C. Applications of MATH 12 with a pass (50%) or better, or MATH 051 with a C+ or better, or a score of 50th percentile in both the arithmetic and algebra portions of the AccuPlacer or equivalent test
3. B.C. English 12 (combined with Government exam) with a 73% or better (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 060; or completion of ESAL 057 and ESAL 058 with a C+ or better

Competitive Entry Procedure

Those applicants who meet the admission requirements will be ranked based on:

1. Mathematics Requirement, 50%; and
2. English Requirement, 50%

The top 36 applicants will be accepted into the program. These students are required to take a full course load unless they are granted exemptions or do not meet the prerequisites for a course. It is recommended that students have effective keyboarding skills and be familiar with the operation of a microcomputer prior to beginning the program.

Application

To apply to the program, students should write, phone, or drop by TRU for an admission package. Contact:

Admissions
Thompson Rivers University
Box 3010 Kamloops, BC
V2C 5N3
Telephone: (250) 828-5071

All applications must be submitted by April 30, 2008. Late applications will be accepted, but will only be processed if there is space remaining in the program. If you were not accepted or applied but did not attend last year, you must submit a new application form.

Course Requirements

First Year	
Fall Semester	
ACCT 100	Financial Accounting
ENGL 181	Business, Professional, and Academic Composition
MNGT 131	Business Mathematics
MNGT 143	Introduction to Marketing
MNGT 160	Personal Marketing Planning
MNGT 170	Introduction to Business
Winter Semester	
ACCT 101	Management Accounting
ECON 122 ECON 195	Introduction to Basic Economics or Principles of Macroeconomics
ENGL 191	Report Writing and Business Presentations
BBUS 137	Management Information Systems 1
BBUS 272	Organizational Behaviour
MNGT 161	Consulting and Proposal Writing

Second Year	
Fall Semester	
MNGT 210	Introduction to Financial Management
MNGT 230	Business Research and Statistics
MNGT 238	Management Information Systems Applications
MNGT 240	Customer Service Marketing
MNGT 245	Professional Selling
MNGT 266	Practicum 1 – Fieldwork 1
Winter Semester	
MNGT 248	Marketing Communications
MNGT 270	Entrepreneurship
MNGT 271	Business Strategy
MNGT 281	Introduction to Human Resource Management
MNGT 293	Commercial Law
MNGT 267	Practicum 2 – Fieldwork 2

Note: Students must achieve a grade of C- or better in all courses to graduate.

Bachelor of Business Administration Laddering

Graduates of the Diploma in Management can ladder into the Bachelor of Business Administration degree and receive full credit for their diploma subject to a minimum grade requirement. Students should be able to complete the program in as little as two years. Potential laddering students must take the university transfer course in Economics (ECON 195).

Part-time Students

Students are welcome to study on a part-time basis, but preference for enrolment purposes is given to those studying on a full-time basis. Generally, space is available for all qualified applicants.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Applied Business Technology Programs

Dean of the School of Business and Economics
YOUNG, MURRAY, B.A., M.B.A. (Indiana), Ph.D. (Ohio)

Chairperson
WARREN, BERNIE, B.Sc.F. (Toronto), M.A.Sc. (Waterloo), Management Science & MIS, Chairperson, Management

Program Description

TRU offers three certificates and one diploma program that enhance a student's qualifications and broadens their employment options in the area of office administration. These programs include advanced training in the latest technology used in the modern office.

- Business Fundamentals Certificate (3 ½ months)
- Administrative Assistant Certificate (8 ½ months – including the Business Fundamentals Certificate)
- Executive Assistant Diploma (2 years – including the Administrative Assistant Certificate)
- Legal Administrative Assistant Certificate - Online

Part-time students may take on-line courses or, if space permits, they may be accommodated in regular classes.

Admission Requirements

Business Fundamentals Certificate/Administrative Assistant Certificate

1. **Educational Requirements**

   B.C. Grade 11 (Grade 12 preferred) or mature student status

2. **General Requirements**

   a. Minimum keyboarding speed of 25 net words per minute

   b. Satisfactory achievement on the AccuPlacer Test

   or completion of ENGL 060 with a B or better

   or 67% on the combined English 12 and Government Exam (within the last 5 years)

Executive Assistant Diploma

1. **Educational Requirements**

   Completion of the Administrative Assistant Certificate or equivalent one-year certificate program

2. **General Requirements**

   a. B.C. Principles of Math 11 or equivalent with at least a B

   or B.C. Applications of Math 12 with a pass (50%) or better

   or Completion of MATH 051 with a B or better

   Principles of Math 12 is highly recommended

   b. 73% on the combined English 12 and Government Exam

   or Level 4 on the Composition Section of the LPI(within the last 2 years)

   or Completion of ENGL 060 with a B or better

   or Completion of ESAL 057 and ESAL 058 with a C+ or better

Legal Administrative Assistance Program

1. **Educational Requirements:**

   a. B.C. Grade 11 (Grade 12 preferred) or mature student status

   b. Completion of the following pre-requisite courses:

   - ABTS 155 Online Learner Success
   - ABTS 120 Introduction to Computers or equivalent
   - ABTS 110 Word Processing 1
   - ABTS 111 Word Processing 2
   - ABTS 114 Keyboarding speed of 45 net words per minute
   - ABTS 130 Business Communications 1

   Recommended:

   - ABTS 131 Business Communications 2
   - ABTS 145 Business Math and Calculators
   - ABTS 154 Records Management
   - ABTS 153 Administrative Procedures
   - ABTS 150 Human Relations

2. **General Requirements:**

   a. Minimum keyboarding speed of 45 net words per minute

   b. Satisfactory achievement on the Accuplacer Test

   or ENGL 060

   or 67% on the combined English 12 and Government Exam (within the last 5 years).

Application Process

a. Obtain an Applied Business Technology "Application for Admission" package from Admissions.

b. The completed forms and questionnaire, with necessary official transcripts of grades, must be returned to Admissions. A non-refundable, one-time fee of $25.00 is also required if you have not attended TRU before.

   Pre-registration for the AccuPlacer Test can be arranged through the Assessment Centre at (250) 828-5470.

   Pre-registration for the keyboarding speed test can be arranged at (250) 828-5470.

c. The Program Assistant will review test results and documentation of candidates and contact them to arrange interviews.

d. Following the interview, the Program Assistant will inform Admissions of those students who have met the requirements. Admissions will notify all successful candidates by letter that tuition fees must be paid by a specific date to ensure placement in the program. Students who have not met requirements will be contacted and advised which skills must be upgraded.

Advanced Credit

The Program Assistant will evaluate, on request, official transcripts for courses completed at TRU or elsewhere and advanced transfer credit may be granted. Forms on which to request transfer credit are available from Admissions and should be completed prior to meeting with the Program Assistant.

Administrative Assistant Certificate

This program is designed to prepare students for employment in a wide range of positions in business. Students receive training using the latest office technology. Oral and written communication skills, as well as effective interpersonal skills are emphasized. Bookkeeping skills are also an integral part of this program. Graduates will have the necessary office skills needed to become productive employees immediately upon graduation.

Students may exit after Semester 1 with the Business Fundamentals Certificate if they complete all first semester courses successfully. Students who pass all courses in both semesters as well as attain a keyboarding speed of 50 net words per minute will receive the Administrative Assistant Certificate.

Business Fundamentals Certificate	
Semester 1 – Fall (September to December)	
ABTS 110	Word Processing 1
ABTS 114	Keyboarding 2
ABTS 120	Introduction to Computers
ABTS 121	Spreadsheets 1
ABTS 123	Databases
ABTS 130	Business Communications 1
ABTS 140	Financial Accounting
ABTS 150	Human Relations

Administrative Assistant Certificate	
Semester 2 – Winter (January to April)	
ABTS 111	Word Processing 2
ABTS 112	Desktop Publishing
ABTS 114	Keyboarding 2
ABTS 122	Spreadsheets 2
ABTS 124	Presentation Software
ABTS 125	Integrated Project
ABTS 131	Business Communications 2
ABTS 141	Computerized Accounting - Simply
ABTS 142	Computerized Accounting - ACCPAC
ABTS 151	Job Search
ABTS 152	Practicum
ABTS 153	Administrative Procedures

Note: All courses offered in the Business Fundamentals Certificate and several of the courses in the Administrative Assistant Certificate can be done either on site or online. Contact the Program Assistant for more information.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Executive Assistant Diploma

The Executive Assistant Diploma prepares students to serve as office managers and assistants to senior managers in both industry and government. After completing the Administrative Assistant Certificate in Year 1, students go on to take additional courses in management, business communications, and economics in Year 2. With this additional year of study, students will be well prepared to write the accreditation exams for the Certified Professional Secretary (CPS) and the Certified Administrative Professional (CAP) programs. Graduates can also ladder into the Bachelor of Business Administration degree and receive nearly full credit (45 credits – 15 courses) for the work they did in their diploma.

Executive Assistant Diploma	
Semester 3 – Fall (September to December)	
ACCT 101	Management Accounting
BBUS 272	Organizational Behaviour
ENGL 181	Business, Professional, & Academic Writing
MNGT 143	Introduction to Marketing
MNGT 170	Introduction to Business
MNGT 266	Practicum - Fieldwork 1
Semester 4 – Winter (January to April)	
ECON 195	Macroeconomics
ENGL 191	Report Writing and Business Presentations
MNGT 281	Introduction to HRM
MNGT 271	Business Strategy
MNGT 293	Commercial Law
MNGT 267	Practicum - Fieldwork 2

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Legal Administrative Assistant Certificate - Online

The Legal Administrative Assistant Online Program is designed to provide learners with the legal training required by local law firms; learners will receive extensive legal training in the topics required by the industry. Learners who are interested in taking this program should have previous office experience.

Legal Administrative Assistant Certificate -Online	
LEGA 101	Introduction to the Canadian Legal System
LEGA 102	Legal Office Procedures
LEGA 103	Litigation Procedures 1
LEGA 104	Litigation Procedures 2
LEGA 105	Family Litigation Procedures
LEGA 106	Corporate Procedures 1
LEGA 107	Corporate Procedures 2
LEGA 108	Conveyancing Procedures 1
LEGA 109	Conveyancing Procedures 2
LEGA 110	Wills and Estates

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Certificate and Diploma in Special Education

Program Governance

Dean, School of Education

MILLER, JACK, B.Ed., M.Ed., Cert. Ad. Ed. (U.Vic.), Ed.D. (Brit. Col.) Assistant Professor, Education

Chairperson, B.Ed. Program

WALTON, PATRICK, B.A., B.Ed., M.Ed. (Regina), Ph.D. (Brit. Col.), Associate Professor, Chairperson, Education

Coordinator, Certificate and Diploma in Special Education

CALDER, KIM, B.Ed., E.C.E. Dipl., M.Sc. (Calg.), Ph.D. (Brit.Col.), Assistant Professor, Education, Coordinator, Certificate and Diploma in Special Education

Program Website
(http://www.tru.ca/education/programs/sped/index.html)

Program Description

The Certificate and Diploma programs are designed to provide teachers of children with special needs in school settings with the knowledge, skills and theoretical foundation they require to be as effective as possible. Typically, teachers who receive the TRU Certificate or Diploma in Special Education will teach in special education settings such as resource rooms (e.g., teaching a classroom of children with severe behaviour problems) or learning assistance settings (e.g., working with small groups of children with difficulties in Reading or Mathematics).

Both the Certificate and Diploma in Special Education are post-degree programs. The certificate is made up of five courses, for a total of 15 credits. The diploma comprises ten courses, for a total of 30 credits which must include EDPY 421, EDPY 430 and EDPY 422.

The School of Education at TRU offers one course per term - Fall, Winter and Summer - and students may complete the necessary courses in sequence, or take courses over a period of as many years as necessary to a maximum of 7 years for the Certificate and 10 years for the Diploma. Information about specific courses in each semester will be sent to regional schools in August, November and March. Please also check the TRU School of Education Special Education webpage (http://www.tru.ca/education/programs/sped.html) for current information.

Overview of Courses

Course	Description	Credits
EDPY 420	Assistive Technologies in Special Education	3
EDPY 421	Assessment of Learning Difficulties	3
EDPY 422	Field Experience in Special Education	3
EDPY 423	Selected Topics in Special Education	3
EDPY 430	Adapting and Modifying Programs	3
EDPY 431	Learning Disabilities	3
EDPY 432	Behaviour Management for Children in Regular Classrooms	3
EDPY 434	Disabilities in Mathematics	3
EDPY 436	Programming for Children with Behaviour Disorders	3
EDPY 438	Early Intervention in Reading and Writing	3
EDPY 439	Fluency and Comprehension in Intermediate Grades	3

Admission Requirements

Individuals seeking admission to these programs must have a B. Ed. Degree or the equivalent, and be eligible for certification in BC.

Application Procedures

Teachers may choose either program, certificate or diploma. After the completion of the first four courses, the TRU Education Advisor will contact them to confirm their intention to complete the certificate and/or progress to diploma completion.

Application for Admission to the Special Education Certificate/Diploma program

When a teacher first applies for a special education course they are automatically registered in the program.

Course registration generally occurs for the fall semester in late August; for winter semester in late November and for summer session in late March.

Submit application to:

Maureen McCully

Registrar's Office

Thompson Rivers University

PO Box 3010

Kamloops, BC V2C 5N3

For more information on this program:

Website (http://www.tru.ca/education/programs/sped) or contact

Dave Gulley, Education Advisor

Telephone: 250-377-6048

Email (mailto:edadvising@tru.ca)

Course Requirements

Semester	2008 – 2009	2009 – 2010	2010 – 2011
Fall	**Behaviour Management for Children in Regular Classrooms (EDPY 432)** – proactive teaching strategies for the regular classroom	**Learning Disabilities (EDPY 431)** – identification, assessment and programming	**Programming for Children with Behaviour Disorders (EDPY 436)** – teaching children with severe behaviour disorders
Winter	**Assistive Technologies in Special Education (EDPY 420)** – use of computers and adaptive technologies	**Assessment of Learning Difficulties (EDPY 421)** – assessing children with special needs	**Disabilities in Mathematics (EDPY 434)** – identification, assessment and programming
Spring/ Summer		**Adapting and Modifying Programs (EDPY 430)** – developing and revising programs for children with special needs	**Early Intervention in Reading and Writing (EDPY 438)** – identification, assessment and programming in lower primary
	Field Experience in Special Education (EDPY 422) –supervised experience with children with special needs. May be offered in any Fall or Winter term as the last or next to last course in the Diploma.		**Fluency and Comprehension in Intermediate Grades (EDPY 439)** – identification, assessment and programming

Certified Respiratory Educator Certificate

Program Governance

Chairperson

SHEETS, DAVID, R.R.T. (U.C.C.), I.D. (V.C.C.), M.A. (Royal Roads), Chairperson, Allied Health

Coordinator

CHAN, JANINE, B.Sc., B.A. (Wash.), R.R.T. (U.C.C.), I.D. (V.C.C.), C.A.E. (C.N.A.C.), Respiratory Therapy

Admission Requirements

Prerequisites: 2 year diploma or certificate from a recognized health care field as defined by CNAC (Canadian Network for Asthma 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: jchan@tru.ca (mailto:jchan@tru.ca)

The program content is composed of both asthma and COPD(chronic obstructive pulmonary disease) management concepts. Information on both programs and their costs are further described on our website:

Asthma Educator Program webpage (http://www.tru.ca/schs/dist_ed/asthma/index.html)

COPD Educator Program webpage (http://www.tru.ca/science/distance/copd.html)

General

The TRU Certified Respiratory Educator Program (CRE) is a new, CNAC-approved, online delivered, 4 course certificate program that satisfies the CNAC learning objectives to prepare the interested health care professional to write the CNAC CRE national certification exam to become a certified respiratory educator.

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.

Individuals seeking CRE certification must satisfy the following course completion in the order listed: ASHS 461, 462, 463, 472.

This certificate program of study has been assigned a maximum of 9 upper level credits in the TRU Bachelor of Health Science.

For more information on the CRE program, please contact the Coordinator, CRE Program: 250-371-5543.

Computer Systems: Operations and Management Diploma

Program Governance

Dean, School of Advanced Technologies & Mathematics
NOAKES, DONALD, B.Sc. (Eng.) (Guelph), M.Sc., Ph.D. (Waterloo), P.Eng., Professor

Chairperson and Co-ordinator
BARLOW, ROBERT, B.Sc., Dipl. Ed. (U.Vic.), M.Sc. (Athabasca), I.S.P., Chairperson, CIST
(250) 371-5957

Program Description

Two Year Diploma Program

The Computer Systems: Operations and Management Program (CSOM) is designed to produce graduates who will immediately become productive employees, and who will have the breadth of background necessary for advancement as their career progresses. Career opportunities may include computer programming, E-commerce programming, website developer, network administrator, software development, computer operations, systems design or systems management. 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.

Entrance to this program is ideally suited to both the secondary school graduate or the more mature student 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, Business and Mathematics will ideally prepare them for work, further training and advancement. A commitment to professionalism is an essential characteristic of the program.

CSOM is accredited by the Canadian Information Processing Society (CIPS).

Co-operative Education Option

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 GPA of 2.33 will be eligible to apply for participation in three four-month Work Terms. The number of co-op students will be limited. For additional information, brochures and work term eligibility criteria, contact Co-operative Education, (250) 371-5680.

CSOM is offered both as a Co-op program and as an optional regular program. Consult the Program Coordinator for details.

Admission Requirements

a. Educational Requirements

1. B.C. Grade 12 or equivalent with C+ average
2. C+ or better in any of B.C. Principles of Math 12, Applications of Math 12 or MATH 061; or B or better in MATH 060, or C+ or better in Physics 12, or instructors written consent.
3. 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 060

   or, Completion of ESAL 057 and ESAL 058 with a C+ or better
4. Equivalent of COMP 12 **or** TRU COMP 060 **or** Coordinator's permission.
5. Knowledge of a micro-computer operating environment (DOS, Windows, Macintosh)
6. Ability to use a text editor (ie. WordPerfect, MSWord, etc.)

b. General Requirements

1. Submission of a completed CSOM admissions questionnaire prior to the student orientation meeting.
2. Orientation with the Program Coordinator or designate.

Prerequisites

To qualify as a prerequisite within the program, a mark of C- or better must be achieved.

Applications

Students request application packages from the Admissions Department. Since there are a limited number of places available in the program, applications should be submitted early.

Note: Up to 36 full-time non-repeating students will be given confirmed seats prior to June 15th in order of their application date, providing they have completed all admission requirements.

Note: Students who are either part-time or repeating students will be wait-listed prior to June 15th and will be admitted subsequently subject to space being available, as determined by the department.

Costs

Lab/studio fee applies to courses shown with (L).

Co-op fees and other student expenses are detailed in the Co-operative Education section of this calendar.

Course Requirements

Note: All second year computer courses require either successful completion of first year as a prerequisite or department permission.

First Year		
1st Semester		
COMP	114	Visual Basic Computer Programming I (L)
COMP	157	Introduction to Data Processing Principles (L)
ENGL	181	Business, Professional and Academic Composition
COMP	253	Small Computer Systems: Organization and Architecture (L)
MATH	138	Discrete Structures 1
2nd Semester		
COMP	124	Visual Basic Computer Programming II (L)
COMP	167	Introduction to File Processing (L)
ENGL	193	Report Writing and Business Presentations
COMP	263	Small Computer Systems: Communication and Networks (L)
MATH	139	Discrete Structures 2

Second Year		
3rd Semester		
COMP	252	Programming in C++ (L)
COMP	256	Database Programming (L)
COMP	257	Systems Analysis and Design 1
COMP	268	Special Topics in Computing (Web Site Design) (L)
TBA		Business Course
4th Semester		
COMP	254	Information Resource Management and Issues
COMP	262	E-Commerce Systems Development
COMP	264	Languages: Advanced Programming (L)
COMP	266	Introduction to Object Oriented Programming (L)
COMP	267	Systems Analysis and Design 2

CSOM Co-op Time Pattern

	Year 1	Year 2	Year 3
Sept – Dec	Academic Semester 1	Co-op Work Term 2	Academic Semester 4
Jan – April	Academic Semester 2	Academic Semester 3	Grad
May – Aug	Co-op Work Term 1	Co-op Work Term 3	

NOTE: The program is being reviewed and may result in some changes.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Continuing Studies for Nurses

General Information

TRU offers a comprehensive program of continuing studies and advanced courses for nursing personnel. These courses will benefit those who wish to strengthen their theoretical knowledge, remain current and advance within their profession.

Contact the School of Nursing secretary for more information.

Current School of Nursing Continuing Studies offerings include the Primary Care / Rural Nursing Specialty Program, the Mental Health Specialty Program, and courses in gerontic nursing and Community Home Care Nursing.

Contact the School of Nursing secretary or the School of Nursing Continuing Studies Consultant for more information.

COPD Educators Certificate

Program Governance

Chairperson

SHEETS, DAVID, R.R.T. (U.C.C.), I.D. (V.C.C.), M.A. (Royal Roads), Chairperson, Allied Health

Program Coordinator

CHAN, JANINE, B.Sc., B.A. (Wash.), R.R.T. (U.C.C.), I.D. (V.C.C.), C.A.E. (C.N.A.C.), Respiratory Therapy

Admission Requirements

Prerequisites: 2 year diploma or certificate from a recognized health care field as defined by CNAC (Canadian Network for Asthma 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: jchan@tru.ca

The program content and costs are further described on the COPD Educators Program webpage (http://www.tru.ca/science/distance/copd.html)

General

The TRU COPD (Chronic Obstructive Pulmonary Disease) Educator Program is a CNAC-approved, online delivered, 2 course certificate program. Upon completion of the program, the health care professional will have a better understanding of COPD as a disease, its management and its impact to quality of life issues.

Should the participant be interested in working as a certified COPD educator, successful completion of the TRU Asthma Educator Program is mandatory and it is highly suggested that the asthma program be completed first prior to starting the COPD studies. This will then allow that participant to write the CNAC Certified Respiratory Educator (CRE) national certification exam. **(see Certified Respiratory Educator program description in the calendar for further information).**

This TRU COPD Educator certificate program of study (ASHS 471, 472) has been assigned 6 upper level credits in the TRU Bachelor of Health Science.

For more information on the COPD Educator program, please contact the Coordinator, COPD Educator Program: 250-371-5543.

Culinary Arts

A 13-month program.

Program Governance

Dean, School of Tourism
TWYNAM, G. DAVID, B.Phys.Ed. (U.N.B.), M.Sc., Ph.D. (Oregon)

Chairperson, Culinary Arts
JOHNSTONE, KIMBERLY, Trade Cert. (Can.), I.D. (V.C.C.), Chairperson, Culinary Arts

For information regarding Culinary Arts Programs, please call Kimberly Johnstone at (250) 828-5356.

Program Description

This program is designed to fill the growing need for professionally trained cooks and chefs. Quality employment is available across a wide range of possibilities, from internationally recognized restaurants, hotels and clubs, through cruise ships, resorts, family restaurants, and institutions.

The complete program is 44 weeks long and is designed to cover all the sections of a professional kitchen from the preparation of hors d'oeuvres to the creation of exquisite desserts. The student will be trained in large quantity cooking in our University restaurant, as well as international quality food preparation in our highly popular dining room.

Individuals seeking employment in a professional kitchen must have creative and artistic abilities to meet the requirements of an ever-increasing demanding public. They must be alert and quick thinking and be able to work under pressure in order to effectively prepare a variety of interesting foods for people who are looking for a greater variety of menu items.

Culinary Arts Programs

- Culinary Arts Training Certificate (on page 130)
- Culinary Arts Upgrading Certificate (on page 132)
- Retail Meat Processing Certificate (on page 132)
- Retail Meat Processing Apprenticeship

Program summary, admission requirements and course descriptions for each program area follow.

Admission Requirements

1. B.C. Grade 10 or equivalent, Grade 12 is preferred
2. Food Safe, Level I
3. Successful medical
4. Satisfactory achievement on the Entry Assessment Tests
5. Instructor interview

Course Content

- The course is 44 weeks long.
- The program is organized into three levels:
- Culinary Arts Level I (1st semester blocks 1-4)
- Culinary Arts Level II (2nd semester blocks 5-8)
- Culinary Arts Level III (12 weeks instruction)

Level I	**Course Title – Cook I**
The first four months, students rotate through seven different Stations in the kitchen lab, writing an exam for each station.	
1_J_SAFETY	Safety, Sanitation and Equipment
1_H_KITCHENMGT	Food Service and Kitchen Management
1_K_HEALTH	Health Care/Cook-Chill
1_A_VEGETABLE	Vegetable and Starch Cookery
1_B_MEAT&POULT	Meat and Poultry Cookery
1_C_SEAFOOD	Seafood Cookery
1_D_SOUPS	Stocks, Soups and Sauces
1_E_MEATCUTTING	Meat, Poultry and Seafood Cutting
1_F_COLDKITCHEN	Cold Kitchen
1_G_BAKING	Baking and Dessert
1_I_BREAKFAST	Egg and Breakfast Cooking
Level II	**Course Title – Cook II**
Continues to the next level rotating through the stations as in Level One.	
2_J_SAFETY	Safety, Sanitation and Equipment
2_H_KITCHENMGT	Food Service and Kitchen Management
2_K_HEALTH	Health Care/Cook-Chill
2_L_HUMANRES	Human Resource Development
2_A_VEGETABLE	Vegetable and Starch Cookery
2_B_MEAT&POULT	Meat and Poultry Cookery
2_C_SEAFOOD	Seafood Cookery
2_D_SOUPS	Stocks, Soups and Sauces
2_E_MEATCUTTING	Meat, Poultry and Seafood Cutting
2_F_COLDKITCHEN	Cold Kitchen
2_G_BAKING	Baking and Dessert
COOK_2_M	Employment Skills
COOK_3_M	Practical Menu Cooking
Level III	**Course Title – Cook III**
Final four months of the program, students will attend classes 2:30 to 10:00 PM.	
3_H_KITCHENMGT	Basic Food Service and Kitchen Management
3_K_HEALTH	Health Care/Cook-Chill
3_L_HUMANRES	Human Resource Development
3_A_VEGETABLE	Vegetable and Starch Cookery
3_B_MEAT&POULT	Meat and Poultry Cookery
3_C_SEAFOOD	Seafood Cookery
3_D_SOUPS	Stocks, Soups and Sauces
3_E_MEATCUTTING	Meat, Poultry and Seafood Cutting
3_F_COLDKITCHEN	Cold Kitchen
3_G_BAKING	Baking and Dessert

Career Advancement

Journeyman Cook

This course will be credited towards the 3-year Professional Cook Apprenticeship. Students taking the Culinary Arts program should consider continuing their career training and pursue a cook apprenticeship to become a Journeyman Cook.

Certified Chef de Cuisine

Journeyman cooks are eligible to become members of the Canadian Federation of Chefs and Cooks (C.F.C.C.). The C.F.C.C. now offers a study program to become a Certified Chef de Cuisine. To enrol in that program you must be a Journeyman Cook and a member of the C.F.C.C.

Employment Skills and the Practicum Component of the Culinary Arts Program

This is a required course designed to take the student from the production kitchens at TRU to production kitchens found in the Restaurant and Foodservices Industry. The intent is to create a transition from a learning environment to the work environment and eventual employment with the tourism industry's largest employer.

Students will be required to write a resume and with the assistance of their instructors, find and secure a work Practicum for a minimum of 80 hours. Students will be evaluated by their instructor and work supervisor during and at the completion of their work experience.

Costs

- See the Fees/Payment of Fees (Step 3) section of the calendar for the statement of tuition fees.
- Textbook and Learning Guides approx. $250.00.
- A deposit is required for uniform use and will be returned to the student at the completion of the program when the uniforms are returned.
- Tools recommended $360.00.

Program Development

This program has been developed with the consultation of the Ministry of Advanced Education, other Colleges and Institutes in British Columbia and across Canada, members of our Culinary Arts Advisory Committee and Business Operators not only in B.C., but also throughout Western Canada.

Graduation Credentials

Graduates who successfully complete the program will receive a Culinary Arts Certificate from TRU.

Culinary Arts Upgrading

Program Description

The Culinary Arts Upgrading Program is a modularized program, which can be taken both on a full-time or part-time basis. This course is designed for people with experience in the food industry. It provides training in a variety of cooking areas (modules) lasting for a four-week period.

If you wish to upgrade your cooking skills, we can customize a training program which is both flexible in time and skills to meet your needs so that you can continue to work while attending TRU. You may select one or more courses to suit your special needs.

CKUP 250	CORE - A la carte cooking and dining room
CKUP 251	ENTREE - Meat, poultry, seafood and sauce cooking
CKUP 252	VEGETABLE - Vegetables and starch cooking
CKUP 253	MEAT CUTTING - Beef, veal, pork, lamb, poultry cutting
CKUP 254	STOCKS/SOUPS - Preparation of stocks and soups
CKUP 255	BAKERY - Yeast goods, quick breads, cookies
CKUP 256	PASTRY - Pies, pastries, cakes, desserts

Journeyman Cook Trade Qualification Examination

The Culinary Arts Upgrading program will also provide experienced cooks with an on-line upgrading course for the Journeyman Cook Trade Qualification examination. However, before applying to write the T.Q. examination with the Ministry of Advanced Education, you must have at least 4 years (8000 hours) documented work experience in a professional kitchen with a varied menu.

Costs

See the General Information (on page 5) section of the calendar for the statement of full and part-time fees. The recommended textbook costs are approximately $100.

Retail Meat Processing

A nine-month program.

Instructor/Coordinator

JAKES, KEN, Trade Cert. (N.Z.), T.Q. (Meatcutting) (B.C.), I.D. (V.C.C.), Retail Meat Processing

Instructor/Lab Demo

COCHRAN, JASON, Trade Cert. (B.C.), I.D. (V.C.C.), Retail Meat Processing

Program Description

The Thompson Rivers University Retail Meat Processing Program has been in operation since 1975 and is the only one offering this training in British Columbia. The current program is 9 months of diversified full-time training and offers 13 comprehensive courses that compliment each other and challenge students in hand-eye coordination, safety, industry related math, specie and retail product recognition to Canadian Food Inspection Agency (CFIA) standards, team work and self-motivation, as well as strict sanitation procedures. Furthermore, a strong emphasis is placed on student attendance, punctuality, dress code, and professional conduct as well as personalized knife skills and machine safety training.

The program works 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 our very popular beef jerky, fresh, cooked and smoked sausage courses as well as bacon and ham manufacturing, product marinating and vacuum tumbling training. All students help to operate our very busy TRU Meat Store, learning business practices and important industry customer service skills.

Our program provides students with a very comprehensive base of skills and training which makes them directly and immediately employable. We have a 100% employment success rate in the industry and can't produce enough graduate students to satisfy industry requirements. Simply stated, there are jobs, lots of well paying career opportunities for students who take this program.

Consequently, many of our past graduates are now successful meat sector cutters, meat managers in supermarkets or smaller meat stores; other graduates have gone on to careers in the Federal Meat Inspection area or have successfully started their own business, processing game animals, manufacturing sausage, jerky, bacon, hams, and other value added products or now own smaller value added meat retail operations.

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 world's 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 do very well in this kind of training and are usually working full time by the end of their grade 12 year.

Admission Requirements

1. Educational Requirements
   - B.C. Grade 10 or equivalent (Grade 12 preferred)
2. General Requirements
   - Canadian Citizenship or Landed Immigrant Status
   - Successful medical
   - Satisfactory achievement on Accuplacer Assessment Tests
   - Verification of orientation with Program Coordinator

Orientation Session

Students are required to attend an orientation session for any courses offered by the School of Tourism. The purpose of these sessions is to provide valuable information about courses, programs, entrance requirements, and admission procedures and allows prospective students to have pertinent questions answered. 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.

Program Outline

The Retail Meat Processing Program will include the following courses:

MEAT 101	Safety and Sanitation
MEAT 102	Beef and Veal Carcass Processing
MEAT 103	Meat Science
MEAT 104	Pork Processing
MEAT 105	Lamb Processing
MEAT 106	Poultry Processing
MEAT 107	Seafood Processing
MEAT 108	Product ID and Nomenclature
MEAT 109	Value Added Processing
MEAT 110	Fresh, Smoked & Cured Sausage
MEAT 111	Meat Nutrition & Cooking
MEAT 112	Customer Service & Employment Skills
MEAT 113	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 supplemented with guest speakers, including:

- Canadian Food Inspection Agency Inspectors
- Animal Health Veterinarians
- BC Livestock Representatives
- Brand Inspectors
- Supermarket Meat Managers

In addition, special lectures by TRU staff will include:

- Resume Writing
- Cooking

About half way through the program there will be seminars on Public Relations, Customer Contact and Advertising. Visits to some local meat cutting operations will take place early in the program to help familiarize the student with the industry. Other field trips may include visits to beef fabrication operations and/or chicken processing plants.

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.

All practical courses consist of instructor demonstrations followed by the student applications. Except for the recognition of animal bone structure and of primal and secondary cuts, practical subjects are followed by supporting theory sessions that may then be combined with practical demonstrations.

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. About half of the students are assigned work experience somewhere in Kamloops or other areas of British Columbia while the other students continue with cutting activities, sausage manufacturing and with theory portions of the program in preparation for their own field work.

Students from outside of the immediate Kamloops area are encouraged to do their work experience in their home communities.

Program Development

This program has been developed with the consultation of the Ministry Advanced Education, other Colleges and Institutes in British Columbia and across Canada, members of our Professional Retail Meat Processing Advisory Committee and Business Operators not only in British Columbia, but also throughout Canada.

Graduation Credentials

Graduates who successfully complete the program will receive a Retail Meat Processing Certificate from TRU.

Meat Cutter Apprenticeship

Thompson Rivers University (TRU) delivers both Level I and Level II apprenticeship training for meat cutters. Applicants must be registered apprentices to apply for these two courses. Students graduating from the TRU nine-month program can apply to a store or company for employment and ask for an apprenticeship. Once the company or operator agrees to the apprenticeship then the student can apply to the Industry Training Authority (ITA) for a training credit for the nine months completed at TRU provided the student has written proof of graduating.

This credit goes towards Level I training which means the students need only to complete their Level II training in the second or third year of their apprenticeship.

For further information please visit this website: http://www.apprenticetrades.ca.

Instructor/Coordinator

JAKES, KEN, Trade Cert. (N.Z.), T.Q. (Meatcutting) (B.C.), I.D. (V.C.C.), Retail Meat Processing
(250) 828-5351
Email (mailto:kjakes@tru.ca)

Program Description

The current apprentice program consists of two courses, Level I (4 weeks) and Level II (4 weeks) and is designed to prepare apprentices for the Interprovincial Trade Qualification Examination at the end of the Level II course.

Applicants must be registered apprentices to apply for these two courses.

Each course combines theory and practical components and is usually completed over a three-year period.

NOTE: The Level I course is scheduled to start on a Monday in the fourth week of January of each year. The Level II course starts on a Monday of the third week of February each year.

Prerequisites

- Must be a registered apprentice.
- Must have a current FoodSafe Level I Certificate.
- Must have a current W.H.M.I.S. (Work Place Hazardous Material Information System) Certificate.
- Must be physically able to lift and manoeuvre product (boxed product, front and hind quarters of beef, etc.).
- Must have good manual dexterity.
- Must have a strong, positive attitude.

Medical Insurance

All students must have proof of medical insurance protection before attending these courses.

Expectations

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.

Costs

Tuition - Contact the Registrar's Office for current fees

Apprentices must provide their own:

- knives and steel
- apron - can be purchased at TRU Bookstore for $15.00.
- clean waterproof gumboots

These additional required items can be purchased at the TRU Bookstore:

Scabbard and chain belt	$ 20.00
Chemical safety goggles	$ 10.00
Sanitation gloves	$ 10.00
C.P.M.C.A manual of meat processing	$110.40
Pocket calculator with % button	$ 15.00
1 D-ring 2" binder	$ 6.00
Pens, pencils, note paper	$10.00
1 padlock with 2 keys	$ 6.00

Lab Work Coats

Lab work coats are provided and laundered.

Apprenticeship Level I

The Apprenticeship Level I course covers the following modules and topics:

Modules

Meat 201 Sanitation, Safety, Refrigeration, Equipment and Hand Tools

Meat 202 Beef & Veal Processing

- Variety Meat
- Inspection and Grading

Meat 203 Meat Science Level I

Meat 204 Pork Processing, Inspection & Grading

Meat 205 Lamb Processing, Inspection & Grading

Meat 206 Poultry Processing, Inspection & Grading

Meat 207 Seafood Processing Level I

Meat 208 Product Identification and Nomenclature

Meat 209 Value Added Processing

- Bacon and Ham Curing
- Tumbled Products
- Jerky
- Cordon Blue and Cutlets

Meat 210 Meat Packaging

Meat 211 Meat Cooking

Meat 212 Customer Service Practices

Meat 213 Business Related Math

Apprenticeship Level II

The Apprenticeship Level II course covers the following modules and topics:

Modules:

Meat 301 Sanitation, Safety, Refrigeration, Equipment and Hand Tools

- Sanitation
- Safety
- Refrigeration
- Equipment and Tools
- Lab Clean-up
- Customer Service I

Meat 302 Beef & Veal Processing

- Variety Meat
- Inspection & Grading
- Beef Front & Hind
- Veal

Meat 303 Meat Science Level II

- Meat Science 1 and 2

Meat 304 Pork Processing

- Pork Inspection & Grading

Meat 305 Lamb Processing

- Lamb inspection and grading

Meat 306 Poultry Processing

- Pork inspection and grading

Meat 307 Seafood Processing Level II

- Seafood Levels 1 and 2

Meat 308Product Identification and Nomenclature Level II

- Product Labelling & Nomenclature 1 and 2

Meat 309 Value Added Processing Level II

- Bacon & Ham Curing
- Tumbled Products
- Jerky Processing
- Fresh Sausage Processing
  - casings, spices, spice history, non-meat ingredients
  - pH value, cured products process, sausage history
- Cordon Blue & Cutlets

Meat 310 Meat Packaging

Meat 311 Meat Nutrition Level II

- Level 1 Cooking

Meat 312 Customer Service Practices Level II

- Customer Service Level 1
- Meat Case Service & Up Selling

Meat 313 Business Related Math Level II

- Level 1 Review

Level I and Level II courses are theory based and consist of instructor demonstrations followed by your own opportunity to do practical cutting.

Cultural & Social Explorations Certificate

Certificate Programs

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.

Normally, 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.

A University Certificate will be granted for the completion of the following program of study shown below.

Course Requirements

Cultural & Social Explorations Certificate	
ANTH 121	Introduction to Cultural Anthropology
GEOG 119/120	Introduction to Historical and Modern Cultural Geography
POLI 121	Contemporary Ideologies
SOCI 111/ 121	Introduction to Sociology 1 and 2
Plus any three of:	
ANTH 214	Canadian Native Peoples
ANTH 215	Studies in Ethnography
GEOG 212	Geography in an Urban World
POLI 215 (on page 290)	Comparative Politics
POLI 222	Political Philosophy

Digital Art and Design Diploma

Program Governance

Dean, School of Advanced Technologies and Mathematics
NOAKES, DONALD, B.Sc. (Eng.) (Guelph), M.Sc., Ph.D. (Waterloo), P.Eng., Professor

Chairperson
DUMESNIL, JOHN, Dipl. Const. Tech. (Algonquin), C.Tech., Chairperson, EDDT & DAAD

Coordinator
DiFRANCESCO, DAVID, Dipl. Computer Graphics, Dipl. Graphic Design, Dipl. Creative Art (Sheridan), DAAD

Two Year Diploma Program

Program Objectives

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.

Program Description

The Digital Arts 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.

You can see examples of student work on our website (http://www.tru.ca/advtech/daad.html).

Admission Requirements

a. Educational Requirements

1. B.C. Grade 12 or equivalent
2. 73% on combined English 12 and Government Exam (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 060.

   or, completion of ESAL 057 and ESAL 058 with C+, or better.

b. General Requirements

- Canadian Citizenship or Landed Immigrant Status.
- Qualified applicants are expected to have previous computing experience. If not, it is highly recommended that you complete COMP 050, 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.
- Qualified applicants are required to view a program orientation presentation.
- 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).

Please refer to the GENERAL INFORMATION section of the calendar for the statement of admission policy at TRU.

Costs

$16.50 lab/studio fee for those courses marked with (L).

$100.00 field trip fee for DAAD 260.

Course Requirements

Year 1	
Fall Semester September – December	
DAAD 120	Graphic Design (L) (2,1,1)
DAAD 130	Typography (L) (2,1,0)
DAAD 150	Digital Photography1 (L) (3,1,0)
DAAD 175	Graphic Apps and DAAD Systems (L) (2,1,3)
VISA 121	Drawing 1 (L) (3,1,0)
Winter Semester January – April	
DAAD 110	Communications Graphics 1 (L) (2,1,0)
DAAD 195	DTP & DPP 1 (L) (2,1,3)
DAAD 196	New Media 1 (L) (2,1,3)
ENGL 181	Business Writing (4,0,0)
VISA 122	Drawing 2 (L) (3,1,0)
Year 2	
Fall Semester September – December	
DAAD 295	Desktop Publishing & Digital Prepress (L) (2,1,3)
DAAD 296	New Media 2 (L) (2,1,3)
DAAD 275	Graphic Apps and DAAD Systems 2 (L) (2,1,3)
DAAD 288	Project Management & Client Contact (L) (3,1,1)
ENGL 231	Writing and Editing for Publication (3,0,0)
Winter Semester January – April	
DAAD 284	Content Creation & Information Design (L) (2,1,3)
DAAD 286	DAAD Project (L) (0,1,6)
DAAD 299	DAAD Internship
DAAD 260	Production Art (L) (0,2,6)
MNGT 143	Marketing (4,0,0)
VISA 150	Visual Culture (3,0,0)

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Early Childhood Education Diploma

The Early Childhood Education Program forms part of the School of Education.

Program Governance

Dean – School of Education

MILLER, JACK, B.Ed., M.Ed., Cert. Ad. Ed. (U.Vic.), Ed.D. (Brit. Col.) Assistant Professor, Education

Chairperson

PIWOWAR, CINDY, B.Ed., E.C.E. Dipl., (Alta.), M.A.Ed. (Phoenix), Chairperson, Early Childhood Education

Full-Time Faculty

ALGER, CONNIE, ECE Cert. (Cariboo), B.A. (U.Vic.), Early Childhood Education
DOAN, LAURA, B.A. (U.Vic.), E.C.E. Cert., (U.Vic.), M. Ed. (U.Vic.), Early Childhood Education
PATTEN, MARGARET, B.A.Sc. (Guelph), M.A. (Concordia), Early Childhood Education

Program Description

This program prepares students for employment in pre-schools, private kindergartens, nursery schools, family and group day-care centres and other child care facilities. This is a rapidly expanding field as many parents are coming to realize the benefits of an educational experience for their children. Many families today also find they need supplementary child care services which are dependable both in continuity and quality.

Innovative Practica Model

In addition to placing students in a variety of community early childhood education centers, the ECE program and the Cariboo Child Care, a non-profit society located on the TRU campus, co-operate to provide a valuable and practical learning opportunity for students. Working together with the same group of children to assume increasing responsibilities for programming allows students and instructors to:

- develop long term relationships with children allowing for individualization of guidance and program strategies;
- connect practice with all course work;
- provide continuous opportunities for feedback regarding student performance;
- engage in applied research in curriculum development and documentation of the learning process.

Licensing

Completion of the diploma satisfies the requirements of the Community Care Facilities Branch (CCFB) for a License to Practice as an Early Childhood Educator in British Columbia. The program does not, by itself, qualify a person to teach in a kindergarten that is part of a public school system. Certified teachers who have completed or are in the process of completing an appropriate degree in Education usually staff public school system kindergartens.

Completion of the post-diploma certificates satisfies the requirements of the Community Care Facilities Branch (CCFB) for a License to Practice as a Special Needs Educator, or an Infant/Toddler Educator in British Columbia.

Please Note: The Community Care Facilities Branch requires 500 hours of work experience under the supervision of a licensed Early Childhood Educator in order to qualify for a License to Practice as an Early Childhood Educator. Many of these hours can be completed between the second and third semester as either a volunteer or a paid assistant in an early childhood education setting. For further information about licensing requirements, contact your local health unit.

Admission Requirements

1. Educational Requirements

   a. BC Grade 12 or mature student status

   b. 73% on the combined English 12 and Government Exam (within the last 5 years)

   or Level 4 of the Language Proficiency Index (within the last 2 years)

   or Completion of English 060 with a B- or better

   or Completion of English 110 with a C+ or better

2. General Requirements

   a. General medical to ascertain fitness

   b. Immunization schedule

   c. Volunteer and/or work experience of 50 hours in a licensed group, pre-school or child care facility and under supervision of a qualified Early Childhood Educator.

   d. Two letters of reference

   e. Applicant Readiness Group Interview

   f. Criminal Record Check - Under the "Criminal Records Review Act", a criminal record check is a pre-practicum and pre-employment requirement. Consequently, students enrolled in the Early Childhood Education program will be required to undergo a criminal record check during the first week of classes at their own expense regardless of any previous criminal records check that may have been carried out. A criminal record may limit or prevent practicum placement and may prevent program completion; it may also limit employment opportunities. Please note that an over the counter (RCMP) criminal record check is not sufficient to allow students to volunteer or work in a licensed Early Childhood Education Centre.

   g. Certificates:

   - First-Aid – applicants must hold a valid certificate in one of the First Aid Courses required by the Community Care Facilities Branch (a list of acceptable courses is available in the admission package)
   - Food Safe

Small group admission interviews provide applicants with information about the program. As well, an interview panel will ask questions in order to assess applicant readiness for the training program. All applicants will fill out an interview information form; will be asked the same questions and will have submitted two sealed letters of reference for the interview. Applicants will be contacted by TRU personnel to arrange the date and time of the admission interview. Interviews are granted once applicants have completed all other admission requirements, except medical and criminal record checks. Admission interviews generally take place starting in April each year and continue until the program is filled. Further details are included in the admissions information package.

Special Needs and Infant/Toddler Certificates

Graduates of the Early Childhood Education program may want to continue their studies so they can work with Infants and Toddlers and/or children with Special Needs. Completion of these certificates will satisfy the Community Care Facilities Branch licensing requirements. Please contact the Registrar's office for an information/application package outlining these specialties, or phone the program chair for more information.

Program Policies: Part time Students

For students wishing to complete the program on a part time basis, a limited number of spaces are available. Please indicate your interest in this option on your application form.

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 chair 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 chair 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.

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 chair to determine their ongoing status in the program. Students who receive a grade point average of less than 2.5 in any given semester, will require an interview with the program chair 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 chair, 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.

Transferability

Students who successfully complete the Early Childhood Education program will be eligible to enrol in the TRU Child and Youth Care track of the Human Service Diploma program. Successful graduates of the Human Service Diploma program may ladder into a Child and Youth Care Degree program offered at several post secondary institutions in British Columbia.

Costs

Tuition: see Fees/Payment of Fees (Step 3) section of calendar.

$16.50 lab/studio fee for courses shown with (L).

Books and Supplies: Approx. $800/semester.

A camera (including film and developing costs) is required for some courses.

Practica: Students must be prepared to bear the costs of travel to and from practica placements. All attempts will be made to accommodate students without vehicles in practica sites that are accessible by local public transportation.

Course Requirements

Year 1

Semester 1: September - December		
ECED	120	Practicum 1 (L)
ECED	132	Child Guidance (L)
ECED	134	Interpersonal Relations – Communications
ECED	135	Introduction to Program Planning (L)
PSYC	213	Introduction to Developmental Psychology: Childhood & Adolescence
Semester 2: January - April		
ECED	130	Practicum 2 (L)
ECED	133	Child Health
ECED	136	Curriculum Development (L)
ECED	144	Interpersonal Relations – Helping Interactions
PSYC	223	Introduction to Developmental Psychology: Adulthood & Aging

Year 2

Semester 3: September - December		
ECED	220	Practicum 3 – Demonstration (L)
ECED	235	Advanced Program Development (L)
ECED	244	Interpersonal Relations – Working with Families
ECED	249	Administration of Early Childhood Education Programs
ENGL	181	Business, Professional and Academic Composition
Early Childhood Education Diploma		
British Columbia License: Early Childhood Educator (after 500 hours experience)		
Semester 4: January – April, Post-Diploma Certificate		
Special Needs Educator – Alternate Years		
ECED	230	Practicum 4 – Individual Children (L)
ECED	231	Child Growth and Development – Individual Differences (L)
ECED	255	Programming for Individual Children (L)
Semester 4: January – April, Post-Diploma Certificate		
Infant and Toddler Educator (Alternate Years)		
ECED	240	Practicum 5 – Infant and Toddler (L)
ECED	241	Development and Care of Infants and Toddlers (L)
ECED	245	Program Development – Infants and Toddlers (L)
ENGL	195	Report Writing and Business Presentations

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Electronics

Program Governance

Dean, School of Advanced Technologies and Mathematics
NOAKES, DONALD, B.Sc. (Eng.) (Guelph), M.Sc., Ph.D. (Waterloo), P.Eng., Professor

Chairperson
BOURGET, JEAN-SERGES, D.E.C., Dipl. Tech. (Quebec), T.Q. (Comp. Tech.), Chairperson, Electronics & Engineering

Introduction

The Electronics department offers the following two year diploma programs:

- Automation Electronics Technology, AMET) (on page 140)
- Telecommunications and Networking Technology, TNET (on page)

Students complete First Year (Core) Electronics as a prerequisite for the second year of study in one of these specialty option programs. Students who successfully complete the First Year (Core) Electronics program can apply to receive a TRU certificate which recognizes their achievement if they are not continuing on to the 2nd year.

TRU Electronics programs prepare individuals for employment with companies engaged in maintenance, installation, repair, manufacturing, and sales of systems and equipment applied in telecommunications, cable TV, satellite communications, computer and microcomputers, computer peripherals and networks, computerized industrial automation, industrial robots, and process control. The programs place major emphasis on the practical aspects of electronics including logical troubleshooting.

Admission Requirements

a. Mandatory Requirements

1. B.C. Grade 12 or equivalent
2. B.C. Principles of Math 11, or MATH 051, or equivalent
3. B.C. Physics 11, or PHYS 050, or equivalent
4. Satisfactory achievement on the Entry Assessment tests
5. Applicants may present appropriate related experience for consideration in lieu of regular admission requirements.
6. Applicants will be interviewed by a department faculty member.

b. Advisable Requirements

The following are recommended but not mandatory:

1. B.C. Principles of Math 12, or MATH 060/061 or equivalent.
2. B.C. Physics 12, or PHYS 060, or equivalent, or Electronics 12.
3. B.C. Chemistry 11, or CHEM 050, or equivalent.

Application

Students wishing to enroll in an Electronics program should apply early as enrollment is limited. Application forms are available from the Admissions Office at TRU.

Prior Learning Assessment Recognition

Individuals who have previous electronics education or work experience may request admission to a program after the regular start date if they produce adequate documentation and successfully complete theory and lab examinations.

Transferability

Individuals who have successfully completed the internationally articulated Core Electronics program at a participating institution will be allowed to transfer, space permitting, into one of the two specialty option programs.

Co-operative Education

Cooperative Education is the integration of formal studies with practical work experience. Students have specific periods of paid employment (Work Terms) alternating with specific periods of study (Academic Semesters). Students entering a TRU Electronics program will have the option to participate in two four-month Co-op Work Terms. A minimum average standing of B- is required to remain in the Co-op program. For additional information, brochures and work term eligibility criteria, consult the Cooperative Education section of this calendar.

AMET and TNET Scheduling

AMET and TNET Program Timing

	Sept – Dec	Jan – Apr	May – Aug
Year 1 (CORE)	Academic Semester 1	Academic Semester 2	Co-op Work Term 1
Year 2 (Specialty)	Academic Semester 3	Co-op Work Term 2	Academic Semester 4

Fees

See the GENERAL INFORMATION section of the calendar for tuition fee information.

- Co-op fees (contact Co-op office)
- Texts and supplies – approximately $600 per semester.
- Hand tools – supplied by the student (approximately $350).
- Lists of texts, supplies and hand tools are available at the Electronics Department at 828-5111.

Students who are in need of financial assistance for this program are eligible to apply under the British Columbia Student Assistance Plan. Information is available at the Awards office.

First Year (Core) Electronics – AMET, and TNET (Year 1)

First Year (Core) Electronics is a prerequisite to the AMET, and TNET specialties and constitutes the first two semesters for each of these programs. Students must commit to a specialty prior to entering the program and are eligible for admission to that specialty on successful completion of Core Electronics.

First Year (Core) Electronics is internationally articulated allowing transfers between TRU and other participating provincial, national, or international Electronics programs. On completion of TRU First Year (Core) Electronics, students may transfer to a specialty program in another institution. Space permitting, graduates of First Year (Core) Electronics from other institutions may enroll directly into one of the two TRU Electronics specialty programs AMET or TNET.

The First Year (Core) Electronics program consists of courses delivering theory and labs covering technical communications, basic electricity, DC circuits, AC circuits, semi-conductor devices, semi-conductor circuits, linear circuits, digital electronics, 8-bit microprocessors, and an introduction to PC's.

First Year (Core) Electronics lab work emphasizes a hands-on approach and logical troubleshooting with a wide variety of test equipment.

Commencement Dates

See commencement dates under AMET and TNET program timing (on page 139) above.

First Year (Core) Electronics Outline

Semester 1

Acronym	Pre- Req(s)	Name	Hours	Credits
SECTION 1				
ELEC 110	Acceptance to Electronics Program	Basic Electricity and DC Circuits	100	4
SECTION 2				
ELEC 111	ELEC 110	AC Circuits	100	4
SECTION 3				
ELEC 112	ELEC 111	Basic Semiconductor Circuits	100	4
SECTIONS 1, 2, 3				
ELEC 113	Acceptance to Electronics Program	Introduction to Computing	30	2
ELEC 149	Acceptance to Electronics Program	Technical Communications	(3,0,0)	3

Semester 2

Acronym	Pre- Req(s)	Name	Hours	Credits
SECTION 1				
ELEC 120	ELEC 112	Discrete Analog Circuits	75	3
ELEC 122	ELEC 120	Digital Logic Circuits	50	3
SECTION 2				
ELEC 121	ELEC 120	Linear Circuits	75	3
ELEC 123	ELEC 122	Digital Circuits	50	3
SECTION 3				
ELEC 124	ELEC 123	Microprocessor Circuits	75	2
TCOM 213	ELEC 113	PCB Design and Repair	50	3

Automation Electronics Technology – AMET (Year 2)

The AMET diploma program consists of courses delivering theory and labs designed to prepare the student to perform the installation, commissioning, and maintenance of computer controlled industrial systems. This will include microcomputers, programmable logic controllers, data acquisition, robots, machine vision systems, pneumatic and hydraulic systems, transfer systems, networking, CNC mills, CNC lathes, and CNC routers.

The student will also gain a working knowledge of Industrial Automation, Advanced programming languages, PLC programming (Relay Ladder, IEC 1131-3, Bus I/O, and Soft PLC), robot programming, machine vision programming and various application software packages.

Practical aspects of troubleshooting and the use of advanced test equipment are stressed during lab exercises and the equipment used in the program is industrial grade.

The 3rd semester consists of the study of automation principles and control. The AMET students study actuators, I/O interfacing, programming and use single board computers, personal computers and programmable logic controllers as control platforms.

The 4th semester involves the study of advanced topics in data acquisition, PLC's, machine vision, sensor development and calibration, and work cell development. The AMET students are expected to complete an industry sponsored research project or a project that is approved by the instructor.

Commencement Date

See commencement dates under AMET program timing (on page 139).

AMET Program Outline

Prerequisite Core Electronics or equivalent

Semester 3

Acronym	Pre- Req(s)	Name	Hours	Credits
SECTION 1				
CAST 210	ELEC 124	Automation Fundamentals	50	3
CAST 212	ELEC 124	Intermediate Programming	50	3
CAST 213	CAST 212	CAD	25	2
SECTION 2				
CAST 211	ELEC 124	I/O Design with Gate Arrays Maintenance	25	2
CAST 219	ELEC 124	Microcontrollers	50	3
CAST 218	CAST 212	CNC Programming	50	3
SECTION 3				
CAST 214	CAST 210	Fluid Power	50	3
CAST 215	CAST 210	AC/DC Motors	25	2
CAST 216	CAST 210	Introduction to Programmable Logic Controllers	50	3

Co-op Work Term 2 (Only for students participating in the Co-op option)

Semester 4: Prior completion of semester 3 required

Acronym	Pre- Req(s)	Name	Hours	Credits
SECTION 1				
CAST 220	CAST 216	Advanced Programmable Logic Controllers	75	3
CAST 225	CAST 213	Computer Aided Manufacturing	50	3
SECTION 2				
CAST 223	CAST 212	Advanced Programming	50	3
CTEC 224	CAST 212	Principles of Data Communications	50	3
CAST 222	CAST 211/212	Data Acquisition	25	2
SECTION 3				
CAST 221	CAST 210/212	Machine Vision	25	2
CAST 224	CAST 223	Robot Programming and Operation	75	3
CAST 226	CAST 224	Research Projects	25	2

Telecommunications and Networking Technology - TNET (Year 2)

The TNET program consists of courses covering of theory and labs which focus on telecommunications and computer equipment and systems. Skills acquired include installation, commissioning, and maintenance of systems and equipment related to radio, video, telephone switching, microwave communications, computer networking, and fibre optics.

Graduates are prepared for employment with companies involved in manufacturing, installation, maintenance, operation, and sales of telecommunications and computer equipment, systems and services.

Practical aspects of installation, configuration, operation, troubleshooting, testing, aligning, and maintaining computer and telecommunications equipment with complex test equipment are stressed in lab sessions.

The 3rd semester consists of the study of simple communication systems with an emphasis on all aspects of maintenance. Radio transmission, transmission lines, telephone systems and principles of data communications are studied. Personal computers and their input and output devices are also investigated. Advanced test equipment and troubleshooting techniques are used to perform configuration, installation, maintenance and repairs of current technology PC's and a variety of communication devices.

The 4th semester consists of the study of complex communication systems such as telephone switching, microwave and satellite systems and video systems. A strong emphasis is placed on data communications and networking. The courses allow the student hands-on experience with state-of-the-art computing equipment to design and test communication devices as well as write applications using VB Net programming environment.

Commencement Date

See commencement dates under TNET program timing (on page 139).

TNET Program Outline

Prerequisite Core Electronics or equivalent

Semester 3

Acronym	Pre- Req(s)	Name	Hours	Credits
SECTION 1				
TCOM 210	ELEC 124	Basic Radio	75	3
CTEC 212	ELEC 124	PC Hardware	50	3
SECTION 2				
TCOM 214	TCOM 210	Advanced Radio	50	3
TCOM 211	TCOM 210	Transmission Lines Antennas	25	2
CTEC 224	CTEC 212	Principles of Data	50	3
SECTION 3				
TCOM 215	ELEC 124	Telephone Systems	50	3
CTEC 222	CTEC 212	Advanced Input/Output	75	3

Semester 4

Acronym	Pre- Req(s)	Name	Hours	Credits
SECTION 1				
TCOM 222	TCOM 215	Telephone Switching	50	3
CTEC 225	CTEC 224	Networks	75	3
SECTION 2				
TCOM 224	TCOM 211	Microwave Radio	25	2
TCOM 225	TCOM 211	Satellite Systems	50	3
CAST 212	CTEC 222	Intermediate Programming	50	3
SECTION 3				
TCOM 223	TCOM 211	Video Systems	50	3
TCOM 226	CTEC 225	Fibre Optics	50	3
TCOM 228	CAST 212/CTEC 225	Research Projects	25	2

Architectural and Engineering Technology (formerly EDDT)

Program Governance

Dean, School of Advanced Technologies and Mathematics
NOAKES, DONALD, B.Sc. (Eng.) (Guelph), M.Sc., Ph.D. (Waterloo), P.Eng., Professor

Chairperson
DUMESNIL, JOHN, Dipl. Const. Tech. (Algonquin), C.Tech., Chairperson, EDDT & DAAD

Program Description

Architectural and Engineering Technology (formerly EDDT) is a three-year diploma program that provides its graduates with the technical skills required to enter careers in Building Architectural Technology or in the Civil and Mechanical fields. Greater demands for high 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 ARET workstations that are comparable with the building design industry driving the latest releases of AutoCAD, AutoCAD Architecture 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:

- B.C. Grade 12 or equivalent or Mature Student Status.
- B.C. Math 11, Math 051 or equivalent with a C+ minimum grade. (see note below)
- B.C. Physics 11, Physics 050 or equivalent. (see note below)
- 73% on combined English 12 and Government Exam (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 060 with C+ or better

  or, completion of ESAL 058 and ESAL 058 with C+ or better.

Note: Students need a strong background in physics and math. Those applicants whose math and physics prerequisites are more than five years old and other applicants whose math and physics skills are weak should consider "refresher" courses in these subjects prior to applying for the ARET program.

Note: It is expected that students will arrive with basic computer literacy skills such as file management, basic word processing, etc.

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 154 and MATH 164, or MATH 100, MATH 114 and MATH 124 must be completed to fulfill the ARET graduation requirements.

Application

Since there are a number of places available, applications should be submitted early.

Costs

A $16.50 lab/studio fee for each course shown with (L). A Hewlett-Packard 50G calculator is required. Students are advised to budget $1000 for first term textbooks and $500 per semester after.

Course Requirements

FIRST YEAR

Fall Semester (September to December)

ARET 110	Graphical Communication (L)
ARET 111	Computer Aided Design and Drafting (L)
ARET 112	Introduction to Architectural Representation
ARET 120	Materials and Applications 1
ARET 150	Building Electrical Design (L)
MATH 154 or MATH 114***	Technical Mathematics 1 Calculus 1

Winter Semester (January to April)

ARET 130	Building Technology 1 (L)
ARET 140	Civil Technology 1 (L)
ARET 151	Building Lighting Design
ARET 141***	Construction Surveying (L)
ENGL 185 or ENGL 110*	Technical Writing 1 Composition
MATH 154	Technical Mathematics 2
or MATH 114 and MATH 124**	Calculus 1 Calculus 2

SECOND YEAR

Fall Semester (September to December)

EDDT 180	Building Plumbing Design (L)
EDDT 211	Computer Aided Design and Drafting 2 (L)
EDDT 262	Materials and Applications 2 – Estimating (L)
ARET 263	Construction Management
PHYS 151	Applied Physics 1 (L)

Winter Semester (January to April)

EDDT 150	Statics and Strength of Materials
EDDT 231	Applied Research Project Seminar
EDDT 240	Site Planning and Development (L)
EDDT 265	Building Regulations
EDDT 271	AutoLISP Programming (L)
PHYS 161	Applied Physics 2 (L)

THIRD YEAR

Fall Semester (September to December)

EDDT 225	Building Design (L)
EDDT 250	Structural Analysis
EDDT 252	Fluid Mechanics
EDDT 281	Building Services Theory (L)
ENGL 285	Technical Writing 2
EDDT 297	Wood Design

Winter Semester (January to April)

EDDT 260	Building Technology 2 (L)
EDDT 280	Building HVAC Design(L)
EDDT 296	Steel Design
EDDT 298	Reinforced Concrete Design

Graduation of the program is granted to students who have achieved a GPA of 2.33 or better, and have successfully completed the Technical Report.

MATH 154 and MATH 164, or MATH 100, MATH 114 and MATH 124 must be completed to fulfill ARET requirements.

***Note:** Consult COURSE DESCRIPTIONS for ENGL 110 prerequisite requirements.

****Note:** Consult COURSE DESCRIPTIONS for MATH 100, MATH 114 and MATH 124 prerequisite requirements.

*****NOTE:** The ARET 141 Construction Surveying course will run for two weeks starting after the end of final exams.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Environmental Studies Certificate

Certificate Programs

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.

Normally, 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.

A University Certificate will be granted for the completion of the following program of study shown below.

Course Requirements

Environmental Studies Certificate	
BIOL 111/121	First-year Biology
FRST 112/122	Dendrology
GEOG 210	Human Interaction with the Natural Environment
GEOG 112	Earth's Lands and Waters
GEOG 122	Climatology and Biogeography
Plus any three of	
CHEM 150/151 or CHEM 150/152	First-year Chemistry
GEOL 111	Physical Geology
GEOL 205	Geological Time

Home Support/Resident Care Attendant Certificate

Program Governance

Dean, Nursing
DUNCAN, SUSAN, R.N., B.S.N. (Alta.), M.S.N. (Brit. Col.), Ph.D. (Alta.)

Coordinator
MacDONALD, ANNE, R.N., B.S.N. (U.C.C.), Gerontology Nurs. Cert., Home Support Resident Care Attendant

HS/RCA Program

This 24-week program is designed to prepare the graduate to function under supervision as a Home Support/Resident Care Attendant. Learned skills will be applied in the community utilizing local personal care settings, residential care facilities and 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.

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.

Commencement and Completion Dates

The program is offered two times each calendar year.

1. September 2, 2008 – March 6, 2009
2. November 3, 2008 – May 8, 2009

Application Procedure & Sequence

1. Submit an application to the Admissions Department. Please include the $25.00 application processing fee if you have never before attended TRU. (Note: this will differ for International Student applications). Also include an official transcript of your grades.
2. Arrange to write the Assessment Test at the Assessment Centre. There is a fee for this testing, presently $30 but subject to change.

Admission Requirements

a. **Educational Requirements**

1. Grade 11 minimum.
   - Satisfactory achievement on the Entry Assessment Test.
   - Prospective students should be aware that educational background beyond that listed will help to ensure greater success in the program. Students must have knowledge and skills to follow written and oral directions as well as knowledge and skills for written documentation and oral reporting

b. **General Requirements**

1. Canadian Citizenship or Landed Immigrant Status.
2. Group interview session with the Program Coordinator.
3. Attend an HSRC tour of a Residential Care Facility arranged by TRU.
4. Successful completion of Red Cross Emergency Certificate.
5. Foodsafe Certificate.
6. Complete immunization schedule.
7. Successful medical.
8. Criminal Record Check

It is suggested that the student should be in good physical health with NO back problems. It is important that the prospective HS/RCA demonstrate a caring and interested attitude toward the older adult and physically challenged and be willing to work with them and their families to encourage their independence.

Flexibility, maturity and a sense of humour are very desirable. The prospective student is strongly advised to volunteer in a long term care or residential care facility and talk to a home support worker before registering for the program.

Criminal Record Check Information to students in HS/RCA program: A criminal record check is s pre-practicum and pre-employment requirement of most agencies. Please be advised that a criminal record may limit practicum placement and preclude program completion.

Program Costs (Approximate)

See General Information section of the Calendar for information on tuition fees. Approximate total cost:

Tuition (approximate)	$2,700.00
Other Program Costs	$ 1,100.00

- Transportation: students are responsible for their own transportation, both to and from TRU facilities and home support settings.

Course Requirements (Basic and Upgrading Programs)		
HSRC	100	Health: Lifestyle & Choices
HSRC	105	Human Relations: Interpersonal Communications
HSRC	110	Work Role: Introduction to HS/RCA Practice
HSRC	115	Healing: Personal Care Skills for HS/RCA
HSRC	120	Health and Healing: Concepts for Practice
HSRC	125	Home Support Attendant: Practical Experience
HSRC	130	Resident Care Attendant: Clinical Practice
HSRC	135	Healing: Special Needs in Client/Resident Care

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Horticulture Certificate

Program Governance

Dean, Sciences

PRINS, LARRY, R.R.T. (Fanshawe), I.D. (Brit. Col.), M.A. (Gonzaga), Advanced R.R.T. (C.S.R.T.)

Chairperson

SEDGMAN, DAVE, D.V.M. (Sask.), Animal Health Technology, Chairperson, Agriculture-Related Programs

Program Coordinator

PHILLIPS, ERNEST A., Dipl. Hort. (Guelph), I.D. (Brit. Col.), Coordinator, Horticulture

Program Description

The program provides students with a basic training for employment in a variety of areas within the horticulture field, such as landscaping, ground maintenance, municipal parks, garden centres, greenhouses, nurseries and as technicians. Successful completion of the program leads to a Certificate. Graduates may also undertake further study to obtain a TRU Diploma in Horticulture/Business (see following).

Graduates of the TRU program are eligible to enter the two-year Horticulture Diploma program at Olds College, Olds, Alberta, with advance credit. Transferability into the two year programs at University College of the Fraser Valley, Chilliwack and Kwantlen University College, Langley is also possible. Further information on these transfer arrangements can be obtained from the Coordinator.

The certificate program is highly practical, about 60% of the time being spent in hands-on skill development which includes roster and greenhouse duties. Practical facilities include two greenhouses, coldframes, a nursery, the science laboratory, and the entire TRU landscape.

An important aspect of the program is that the horticulture department and its students work in conjunction with the TRU Maintenance Department on ground maintenance and ongoing landscape development at TRU. This is an integral part of the program and has resulted in a beautiful campus.

The program includes field trips, guest speakers and a three week practicum.

Commencement and Completion Dates

August 5, 2008 – April 24, 2009

Admission Requirements

a. Educational Requirements

   B.C. Grade 12 or equivalent, or Mature Student Status

b. Recommendations

   1. Applicants should be in good physical condition
   2. Applicants should have a strong desire for hands-on work with plant materials
   3. Persons with allergies to dust or pollen should be wary of entering the program
   4. Applicants must attend an orientation session
   5. Applicants should apply early in the year, as space in the program is limited to 20 seats.

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 package or call (250) 377-6104. Orientations will take place as follows:

- Thursday, March 6, 2008
- Thursday, March 20, 2008

Students who are unable to attend an orientation must contact the coordinator for telephone counselling at (250) 828-5180.

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.

Costs

- Tuition: see Fees/Payment of Fees (Step 3) section of Calendar.
- Books and Materials: approximately $600.
- Pesticide Course and Exam: $200 approx.
- Field Trip Fee: $225 approx.

Students are responsible for providing their own work boots and outdoor wear.

Course Requirements

Fall Semester: August – December	
ENGL 130	Horticulture Communications English I
HORT 150	Basic Horticulture
HORT 151	Greenhouse Production
HORT 152	Diseases and Insect Pests
HORT 154	Soil Science
HORT 170	Horticulture Practical 1

Winter Semester: January - April	
ENGL 131	Horticulture Communications English II
HORT 160	Weeds
HORT 161	Nursery Production and Retailing
HORT 162	Fruit and Vegetable Production
HORT 163	Landscape Design
HORT 164	Turfgrass Management
HORT 180	Horticulture Practical 2
HORT 190	Horticulture Practicum

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Diploma in Horticulture and Management

Program Governance

Chairperson

SEDGMAN, DAVE, D.V.M. (Sask.), Animal Health Technology, Chairperson, Agriculture-Related Programs

Program Coordinators

PHILLIPS, ERNEST A., Dipl. Hort. (Guelph), I.D. (Brit. Col.), Coordinator, Horticulture
WEST, DIANNE, B.B.A. (UCC), M.Sc.A (Concordia), Marketing

Program Description

This diploma is designed for graduates of a one-year accredited certificate horticulture program. Completion of this diploma program will increase business knowledge and skills and enhance employability and/or performance 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, Agriculture Related programs. All students should have completed communication English courses equivalent to TRU English 130/131 as a component of their horticulture certificate.

Course Requirements

Fall Semester	
ACCT 100	Financial Accounting
MNGT 143	Introduction to Marketing
MNGT 170	Introduction to Business
MNGT 245	Professional Selling
Plus one elective from:	
MNGT 240	Customer Service Marketing
FRST 112	Dendrology
Winter Semester	
BBUS 237	Management Information Systems 1
BBUS 272	Organizational Behaviour
MNGT 281	Introduction to Human Resource Management
Plus two electives from:	
MNGT 248	Marketing Communications
MNGT 293	Commercial Law
FRST 122	Dendrology 2
HORT 200	Greenhouse Production
BIOL 324	The Systematics of Flowering Plants

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Human Service Programs

Program Governance

Dean, School of Social Work & Human Service
LARSON, GRANT, B.A. (Oral Roberts), B.S.W., M.A. (S.W.) (Calg.), Ph.D. (Texas)

Chairperson
SEIBEL, DUANE, Dipl. CYC (Grant MacEwan), B.A., M.A. (U.Vic.), Lecturer, Chairperson, Human Service Programs

Human Service Programs

The Human Service Programs are offered in the School of Social Work and Human Service.

These programs consist of;

Community and School Support Certificate	**Human Service Diploma, year one entry**	**Human Service Diploma, year two entry**

In the Fall of 2007, the Human Service Department introduced the new Human Service Diploma. This new diploma was created to better meet the needs of the field and incorporates the curriculum from the Social Services Certificate and the Child and Youth Care Diploma which are no longer offered on campus. Within this new diploma there is a unique opportunity to choose a focus in either general social service work or Child and Youth Care. It will also allow graduates to ladder more smoothly into a Bachelor of Social Work Degree or a Child and Youth Care Degree throughout the province.

The Social Service Worker Certificate can be still obtained through TRU Open Learning. Please refer to the TRU Open Learning website (http://www.tru.ca/distance.html) for more details.

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.

The Community and School Support Program (CSSP) requires full-time attendance. Part-time attendance is available in exceptional circumstances only and must be discussed with the Chairperson prior to applying.

The Human Service Diploma is available on both a full-time and limited part-time basis (See Chair of Human Service Dept.).

Transferability and Laddering

Graduates from the CSSP or the Human Service Diploma will receive credits when laddering to diploma or specific degree programs at TRU and other colleges or universities.

Prospective applicants should discuss transfer credit with the appropriate program and institution for more information on transfer credit and laddering.

Human Service Diploma

CSSP graduates are eligible to apply to the Human Service Diploma program provided the student has achieved a minimum G.P.A of 2.67 (B-). Those students choosing to proceed from the CSSP certificate to the human service diploma and on to a degree program in their 3rd year will need to meet with the department chair in order to determine the courses required for degree entry.

Community and School Support Certificate

The Community and School Support graduate will find employment with agencies that provide support/service to children and/or adults with exceptionalities. The Community and School Support graduate will assist these individuals to learn educational, social, vocational, recreational and personal life skills. Opportunities exist for jobs such as a school support worker (teachers' assistant), group home worker, life skills coach and respite care worker.

Admission Requirements

A. General Requirements

1. **Citizenship.** Applicants must be Canadian citizens or have Landed Immigrant status.
2. **Age.** Applicants to Community and School Support must be 18 years of age as of December 31 of their fall semester in order to meet the expectations of a criminal record check for practicum placement.

B. Educational Requirements

1. B.C. Grade 12 or mature student status
2. 73% on 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 060, with a grade of C+ or higher

C. Requirements

1. Immunization

   Applicants, once admitted, must have up-to-date immunization for diphtheria, tetanus, measles and rubella as well as a negative tuberculin screening test.

2. References

   Applicants must submit two letters of reference (forms are included in the admission packages). 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 on the date of application to the program. Letters must include the referee's telephone number.

3. 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.

4. Orientation Session

   It is recommended that successful applicants attend an orientation session. Topics covered include program information, costs and career opportunities. Applicants will be contacted,by mail by admissions staff, as to be the date and time of the orientation session. This session will be approximately two hours.

   Applicants are asked to refer to the admission information package for further details.

Graduation Requirement

Students successfully completing all course requirements will be awarded a TRU Human Service Certificate in Community and School Support.

Promotion Policy

The Human Service Certificate in Community and School Support will be granted upon successful completion of all program courses. Some Fall semester courses are prerequisites for courses in the Winter semester.

Fall

In order for the student to be promoted from the fall to winter semester, the student must achieve a minimum grade point average (GPA) of 2.00 for the fall semester. In the event a student receives a failing grade in a fall semester course(s), the student may advance to the winter semester providing the GPA requirement has been satisfied. However, the student will not receive a Certificate until any failed course has been completed successfully.

- **Failures and Withdrawals** Students who fail or withdraw should know that there is no guarantee for an opportunity to repeat the course. The CSSP'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 CSSP 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

1. **Field Work Courses** Students must receive a grade of 'C' or higher in order to graduate.
2. A student who fails a field work course will be allowed to repeat this course:
   a. 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 faculty and advisor three months prior to the beginning of the course.
      - HUMS 158 - Introduction to Professional Human Service Practice by June 01
      - CSSW 165 - Field Work, by September 01

   b. If there is an available practicum placement after the current, full time student's practicum placements have been accommodated.
3. The HUMS program will make a maximum of three attempts to place a student in a practicum 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.

Advance Standing

The student may be granted credit for equivalent courses completed at other accredited post-secondary institutions or at TRU. The student is required to discuss the possibility of transfer credit with the appropriate Chairperson as soon as possible after being accepted into the program.

Prerequisites

See specific course descriptions.

Course Listings

Community and School Support

Fall Semester/September - December

ENGL 110	Composition
HUMS 158	Introduction to Professional Human Service Practice
HUMS 164	Foundations of Community and School Support Work
HUMS 166	Health Care Principles
SOCI 111	Introduction to Sociology I

Winter Semester/January - April

CSSW 165	Field Work
HUMS 154	Interpersonal Communications and Helping Relationships
HUMS 165	Understanding Behaviour: Learning for Independence
HUMS 175	Alternate & Augmentative Communication
SOCI 121	Introduction to Sociology II

Human Service Diploma

The Human Service Diploma will prepare students to work with individuals across the lifespan in a variety of multidisciplinary programs. Employment opportunities exist in settings such as schools, community centres, government agencies, correctional or residential programs, early childhood education settings and non-profit social service agencies. Students are prepared to support individuals one-on-one, in group settings and participate in more advanced practice in a team setting. Within this program there is a unique opportunity to choose a focus in either general social service work or Child and Youth Care. With this option students can ladder into various Child and Youth Care Degree Programs or may be able to ladder into BSW degree programs.

This program will provide students with a wide variety of exposure to current and varied areas of social service work, diversity in client populations, and different types of practice. This program is committed to examining cross cultural issues, cultural competence and decolonizing social service practice. Students will exit the program with a substantial practical understanding of the Human Service Field along with the academic skills of critical thinking, communication, conflict resolution skills, utilization of teams and community partnering.

Transferability and Laddering

Various courses within the Human Service Diploma will be transferable to the Bachelor of Arts program, Bachelor of Social Work program and/or the Child and Youth Care Degree program at other institutions.

Prospective applicants should discuss transfer credits with the Coordinator of the BSW Program, the BA Advisor or an advisor for the Child and Youth Care program at other BC institutions.

Practicum Requirements

1. Age

Applicants to Year One of the Human Service Diploma Program must be at least 18 years of age as of December 31st in order to satisfy the Criminal Record check requirement.

2. Criminal Record Check

Applicants will be required to undergo a Criminal Record Check for practicum purposes if accepted to the program. Practicum placements reserve the right to refuse to accept students with a criminal record. This may impair a student's ability to successfully complete the Human Service Diploma Program.

3. Placement

The HUMS program will make a maximum of three attempts to place a student in a practicum 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 Requirements

1. Students must successfully complete all course requirements before being awarded a TRU Human Service Diploma (see diploma course listings).
2. Students must receive an overall GPA of C+ to graduate.

Promotion Policy

The Human Service Diploma will follow the Human Service Programs promotional policy.

Failures and Withdrawals

Students who fail or withdraw should know that there is no guarantee for an opportunity to repeat the courses. The HS 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.

Students must re-register for the course and pay the appropriate fees for any repeated courses.

A student who fails a **field work course** will be allowed to repeat this course:

a. 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 Dept. three months prior to the beginning of the course.

b. if there is an available practicum placement after the current, full-time student's practicum placements have been accommodated.

Admission Requirements

Students may complete the program on a full or part-time basis. All qualified applicants are required to have their planned program reviewed by the Chair of the Human Service Dept. who will provide advice regarding the selection of appropriate full and part-time options.

Applicants are asked to refer to the admissions information package for further details.

Year One Entry

1. General Requirements

- **Age** - Applicants must be a minimum of 18 years of age on or before December 31st.
- Canadian Citizenship or Landed Immigrant Status
- Two letters of reference (see admission package forms)
- Mandatory Orientation

Note: File completion date will be based upon date of submission of final program requirement.

2. Educational Requirements

- B.C. Grade 12 or equivalent or Mature Student Status
- 73% on the combined B.C. English 12 and Government Exam (written within the last five years) or Level 4 on LPI (written within the last two years) or completion of English 060 with a grade of C+ or better.

3. Documentation Required

The following documentation is necessary to verify admission requirements:

- Official transcripts of previous secondary and post-secondary educational record.
- Proof of citizenship or Landed Immigrant status required if applicant not born in Canada.
- LPI (Language Proficiency Index) results,if required
- Two letters of reference (on enclosed forms only).

Admission Orientation

The Human Service Diploma Program - **Year One** - has a seating capacity of 28 seats. Applicants who complete and submit all required documentation to Admissions by May 30th may be asked to attend an **orientation session**. Topics to be covered will include program information, costs and career opportunities. Applicants who have completed their requirements, will be contacted, by mail, by Admissions, as to date and time of the orientation.

Final acceptance to the program and a program wait list will be based upon last date of submission of required documentation and attendance at the orientation session. Applicants who apply, complete, and submit all required documentation after May 30th, will be required to contact the Chair of the Human Service Dept. depending upon availability of seats and length of any waitlist.

Part Time

Six additional seats will be maintained for applicants who wish to complete the program on a part-time basis. Application requirements outlined above also apply to part- time applicants.

Final acceptance for part-time attendance will also be based on the date of final submission of required documentation and attendance at the mandatory orientation.

Academic Readiness

Applicants are encouraged to meet any academic requirements beforehand. If applicants have been out of an academic setting for some time, they should consider taking English 060 to prepare themselves for the writing demands of the program. Because assignments are likely to be requested in typed format, basic keyboarding skills/computer literacy skills prior to entry are **strongly** recommended.

References

Applicants must submit **two** letters of reference (forms are included in admission package). 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 letter must be less than two (2) years old at date of application to the program and must include the referee's phone number.

Year Two

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 one of the certificate programs as listed below.

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 TRU GPA of 2.67 (B-) or equivalent from another college or university in an equivalent program of study.

If an equivalent program of study was taken at a university or college other than TRU, an official transcript and a copy of certificate issued must be submitted.

Documentation Required

- Official transcripts of 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 enclosed admission package forms only).
- 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 Social Services, Community & School Support and/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 any 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.

References

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.

Course Listings

Fall Semester/September - December

SOCI 111	Introduction to Sociology I
ENGL 110	Composition
HUMS 177	Intro to First Nations Studies and Human Service Practice
HUMS 154	Interpersonal Communications and Helping Relationships
HUMS 158	Introduction to Professional Human Service Practice

Winter Semester/January - April

SOCI 121	Introduction to Sociology II
HUMS 161	Interviewing Skills for Human Service Practice
CYCA 200	Introduction to Professional Foundations of Child and Youth Care
SOCW 200A	Introduction to Social Work Practice
SOCS 165	Field Work Education

Course Listings - Year Two

Fall Semester/September - December

HUMS 222	Theoretical Foundations in Human Service Practice (CYCA 202)
HUMS 253	Self and the Helping Relationship (CYCA 253)
HUMS 250	Special Topics (CYCA 250)
HUMS 182	Human Service Diploma Practicum

and 1 elective, the following are recommended

PSYC 111	Introduction to Psychology I
SOCI 201*	Race and Ethnic Relations
SOCI 213*	Women in Global Perspective
SOCI 216*	The Family in Cross-Cultural Perspective
SOCI 226*	Medical Sociology

* prerequisite SOCI 111/121

Winter Semester/January - April

ENGL 111	Introduction to Prose Fiction
CYCA 254	Advanced Interpersonal Skills/Guided Comm.
CYCA 357	Law and Social Services
SOCW 200B	An Introduction to Social Welfare in Canada

and 1 elective, the following are recommended

CYCA 262	Special Topics - Introduction to Self in Groups
PSYC 121	Introduction to Psychology 2
ENGL 201	Intermediate Composition (If you have any two of Engl 110, 111 or 121)
SOCI 201*	Race and Ethnic Relations
SOCI 213*	Women in Global Perspective
SOCI 216*	Family in Cross-Cultural Perspective
SOCI 226*	Medical Sociology
SOCW 200A	An Introduction to Social Welfare in Canada

* prerequisite SOCI 111/121

If you are planning to go on to a Child & Youth Care degree, you will need developmental psychology. Please see the Chair of the Human Service Dept. to discuss this issue.

Please note: Prior to choosing an elective, please check the TRU Course Schedule online in May or June for information on which semester the elective courses are offered, as offering times change each year.

Learning Facilitators' Certificate

The Learning Facilitators' Certificate forms part of the School of Education in partnership with Simon Fraser University.

Program Governance

Dean – School of Education

MILLER, JACK, B.Ed., M.Ed., Cert. Ad. Ed. (U.Vic.), Ed.D. (Brit. Col.) Assistant Professor, Education

Director – Field Programs (SFU)
MacKinnon, Allan

Chairperson – Early Childhood Education

PIWOWAR, CINDY, B.Ed., E.C.E. Dipl., (Alta.), M.A.Ed. (Phoenix), Chairperson, Early Childhood Education

Program Description

This program is designed to meet the needs of mature adults with current work experience in an educational setting, but little or no post-secondary background. It is intended primarily for individuals of Aboriginal heritage and/or those currently working with Aboriginal learners in diverse educational settings. The main purposes of the program are to broaden and deepen the understandings, skills and abilities of Aboriginal support workers in their educational roles, to recognize and validate their achievements, and to develop their confidence for further university studies.

The *Learning Facilitators' Certificate* is intended to be a work-and-learn program, organized to facilitate a successful transition between workplace experience in education and formal academic endeavours. It combines intensive academic studies during the summers with mentored, community-based learning experiences in the fall and spring semesters. Learning is supported throughout the program by ongoing one-to-one interactions with individual mentors, as well as web-based resources, on-line communications, and participation in both face-to-face and on-line seminars and discussion groups.

The *Learning Facilitators' Certificate* is offered in partnership with the Graduate Diploma in Advanced Professional Studies in Education through Field Programs at Simon Fraser University. Students pursuing the *Learning Facilitators' Certificate* through TRU, will be working/studying alongside experienced, certified teachers who are students in the Graduate Diploma in Advanced Professional Studies in Education through SFU.

Goals and objectives

This program will:

- Develop the knowledge, skills and attributes needed by Aboriginal support workers to provide more effective services to learners in a variety of educational settings;
- Foster effective communication, collaboration and problem-solving among Aboriginal support workers and other educators, parents and community members;
- Provide Aboriginal support workers with foundational academic experiences to prepare them for further university studies;
- Encourage Aboriginal support workers to pursue professional careers in teaching and related fields.

Admission Requirements

1. Educational Requirements

   a. BC Grade 12 or mature student status

   b. 73% on the combined English 12 and Government Exam (within the last 5 Years)

   or Level 4 of the Language Proficiency Index (within the last 2 years)

   or Completion of English 060 with a B- or better

   or Completion of English 110 with a C+ or better

2. General Requirements

   a. General medical to ascertain fitness

   b. Immunization schedule

   c. Two letters of reference

   d. Applicant Readiness Group Interview

   e. Collaboration with certified teachers who are enrolled in the equivalent SFU course.

Small group admission interviews provide applicants with information about the program. As well, an interview panel will ask questions in order to assess applicant readiness for the program. All applicants will fill out an interview information form; will be asked the same questions and will have submitted two sealed letters of reference for the interview. Applicants will be contacted by TRU personnel to arrange the date and time of the admission interview. Interviews are granted once applicants have completed all other admission requirements, except the medical. Further details are included in the admissions information package.

Program Policies

Part Time

This program is currently offered on a part time basis, one course per semester including the summers.

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 program. Applicants must meet all program prerequisites and be admitted to the program prior to applying for PLAR. Please see the program chair 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 chair 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.

Promotion

In order to progress to the next semester in the Learning Facilitators' program, and be eligible for a TRU 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 chair to determine their ongoing status in the 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 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 challenge certain portions of 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 one semester 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 certificate and/or diploma.

A student who receives a failing grade in a course for not meeting objectives related to professional responsibility or professional accountability, may be refused re-admission to the program.

Costs

Tuition: see "Fees" section of calendar.

Books and Supplies: Approx. $800/Semester.

Length of Program – Certificate

2 years – Part time

Course Requirements

Year 1	**Summer**
LEFA 101	Frameworks for Exploring Diversity
	Fall
LEFA 102	Supporting Individual Learners
	Winter
LEFA 103	Distance Learning Practicum – Understanding and Planning for Specific Learning Needs
LEFA 104	Developing a Community of Inquiry
Year 2	**Summer**
LEFA 201	Community and Cultural Dimensions of Learning
	Fall
LEFA 203	Distance Learning Practicum – The Assessment-Instruction Cycle
	Winter
LEFA 204	Developing Networks of Support for Student Learning
LEFA 205	Investigating Issues in Aboriginal Education
	Summer
LEFA 206	Reflections on Supporting Diverse Learners

Literary and Art History Certificate

Certificate Programs

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.

Normally, 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.

A University Certificate will be granted for the completion of the following program of study shown below.

Course Requirements

Literary And Art History Certificate	
ENGL 110/111/121	(any two) First Year English
ENGL 211/221	Survey of English Literature
VISA 111/112	History of Art 1 and 2
VISA 211/212	History of Art 3 and 4
VISA 213/214	A Survey of Modern Art 1 and 2

Mental Health Specialty Program

Program Governance

Dean, School of Nursing
DUNCAN, SUSAN, R.N., B.S.N. (Alta.), M.S.N. (Brit. Col.), Ph.D. (Alta.)

Program Description

Thompson Rivers University's Mental Health Specialty Program for Health Professionals is designed to prepare nurses, social workers, and other health care professionals for work in the new tertiary care psychiatric facility in Kamloops as well as related community mental health settings.

Those who complete this post-basic specialty program will earn a Mental Health Specialty Program Certificate and may earn up to 15 credits toward a baccalaureate degree in nursing.

Admission

Courses are open to registered nurses, social workers and other health professionals. Selected students who are enrolled in third and fourth year of BSN program may also be admitted.

You will be required to submit the following to the Registrar's Office, Thompson Rivers University, Box 3010, Kamloops, V2C 5N3, fax (250) 371-5960:

1. Completed application with $25.00 application fee if new admission to TRU.
2. Proof of credential and/or membership in a health profession. (Registered Nurses must provide proof of current membership in CRNBC or equivalent provincial organization. Bachelor of Social Work graduates must provide photocopy of degree. All others must provide copy of transcript(s) and/or photocopy of degree.)

Course delivery is subject to sufficient enrolment.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Modern Languages Certificate

Certificate Programs

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.

Normally, 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.

A University Certificate will be granted for the completion of the following program of study shown below.

Course requirements

Modern Languages Certificate	
FREN 110/120	Intermediate French
FREN 111/121	1st Year University French
FREN 211/221	Studies in French Language and Composition
Plus any two other approved modern language courses at the 100 level.	

Police and Justice Studies Diploma

Program Governance

Dean of the School of Business and Economics
YOUNG, MURRAY, B.A., M.B.A. (Indiana), Ph.D. (Ohio)

Program Manager
McKAY, ANDREW, B.A. (Hons.), M.P.A. (U.Vic.), D.B.A. (CSU), C.H.R.P.

Program Manager Assistant
BEAVER, JUDY, CPP

Program Description

This unique two-year diploma program prepares graduates for careers in policing and other justice-related areas (sheriffs, corrections, parole, etc.), while enabling students who desire to continue their education to ladder into degree programs in criminology, arts and business (may require some bridging courses). 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 for a justice-related career.

Students will attain a range of skills that police officers should have prior to entering police academy training. They'll also gain a broader understanding of the societal context of police work, as well as stronger baseline skills in reasoning, English, math, fitness and wellness. The key objectives for the program are:

a. to train students interested in a career in policing as well as corrections, parole, customs and related services. Students can work for federal, provincial or municipal employers, and
b. to enable graduates who so desire to ladder into justice-related and other degree programs at TRU and other B.C. post-secondary institutions.

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+ or better.
- Any Math 11 (for students 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

- Criminal record check. Applicants with a criminal record will not be admitted to the program unless a pardon has been granted.
- Successful medical. Note: some courses involve strenuous physical activity, such as PHED 123 Conditioning and JUST 245 Police Skills.

- Proof of valid drivers licence (B.C. Class 5 or equivalent). Note: applicants must have a valid drivers licence in order to complete the Justice Institute's "Driving with Finesse" (a required component of JUST 245 Police Skills).

Application Process

Selective - GPA (weighted at 70%); and Resume and Statement of Career Objectives (weighted at 30%).

Application Deadline

March 1

Course Requirements

Year 1	
Fall	
BBUS 137	Management Information Systems 1
ENGL 110	Composition
JUST 114	Human Behaviour
PHED 123	Conditioning
POLI 111	The Government and Politics of Canada
Winter	
One of ENGL 111, 112 or 114	
JUST 125	Tactical Communication Skills for Criminal Justice
JUST 131	Intro to Criminal Justice Services in Canada
PHIL 111	Introduction to Critical Thinking
Elective (3 credits)	

Year 2	
Fall	
JUST 235	Introduction to Canadian Law and Legal Institutions
JUST 251	Introduction to Policing
PHIL 201	Introduction to Ethics
SOCI 201*	Race and Ethnic Relations
Elective (3 credits)	
*Students who have completed any of ANTH 214 Canadian Native Peoples, ANTH 215 Cultural Studies, or ANTH 260 Minorities in the Modern World will be exempted from this course	

Winter	
JUST 245	Police Skills
JUST 281	Field Work Practicum
SOCI 259*	Deviance and Control
Electives (6 credits)	
*Students who have completed PSYC 216 Introduction to Abnormal Psychology will be exempted from this course	

Suggested electives are any of:

- CYCA 262 Introduction to Self in Groups
- CYCA 250 Special Topics
- MATH 120 Introduction to Statistics
- PSYC 111/121 Introduction to Psychology 1 & 2
- SOCI 111/121 Introduction to Sociology 1 & 2*
- SOCI 223 Collective Behaviour*
- SOCI 250 Crime and Sociology*
- SOCI 272 Introductory Research Methods*
- Any other 100-400 level courses

*Sociology note: SOCI 111 (or ANTH 121) is strongly recommended by not required. Students planning on taking additional sociology elective courses numbered 200 or higher (except for the required courses SOCI 201 and SOCI 259) must complete SOCI 111 and SOCI 121 first. Students taking only SOCI 201 and SOCI 259 are not required to take SOCI 111 or SOCI 121.

Laddering

- Students considering laddering into a BA should contact the BA Advisor regarding elective selection.
- Students considering laddering into the BBA should contact the BBA Advisor regarding elective selection.
- Students considering laddering into the BSW should contact the chairperson of the department of Social Work regarding elective selection.

Program Completion (Graduation) Requirements

To graduate with a Diploma in Police and Justice Studies, students must complete 60 credits, comprising 48 credits of required courses and 12 credits from elective courses.

Pre-Health Program

Program Description

Offered through SFU Kamloops, this 12 month program is designed to provide students with skills and knowledge that will ease the transition into a health related University degree program and encourage successful completion of the degree. Over three terms, students take courses that include content in First Nations' culture, professional relationships and communications, the use of computers and academic libraries, and writing and math skills. For more information please call SFU Kamloops at: (250) 828-9799 (Kamloops area) or 1-800-399-5565.

Primary Care / Rural Nursing Specialty Program

Program Governance

Dean, School of Nursing

DUNCAN, SUSAN, R.N., B.S.N. (Alta.), M.S.N. (Brit. Col.), Ph.D. (Alta.)

Coordinator

REGEHR, COLLEEN, B.Sc.N.

Program Description

Rural hospitals, emergency settings, and nursing stations are looking for Registered Nurses who are prepared for the new demands emerging from Canada's changing health care system. The Primary Care Clinical Nursing Program addresses both the scope of nursing practice currently

required by Health Canada's Medical Services Branch and the changing roles and responsibilities of nurses practicing in rural settings.

Through this two year distance based program, students will have opportunity to acquire increased competencies, enhance their career options, and move in to an area of high employment demand.

In addition, the program's 15 credits are transferable to BSN degree granted by TRU. The University of Victoria also gives a certain number of credits towards BSN degree.

This program is fully funded by student tuition. To meet the high educational standards and provide the necessary individualized practice support, class size is limited to 16. Program tuition is currently approximately $5,000. The tuition fee is subject to change.

Admission Requirements

The program is open to RNs from anywhere in Canada who have at least two years of experience and a current CPR Level C Certification.

Admissions Process

Students will be required to submit the following:

- Completed application for admission to TRU
- $25.00 application fee if you have never attended TRU
- Proof of membership in the CRNBCor any other provincial professional nursing association
- Copy of CPR Level C Certificate
- Verification of at least two years of nursing experience – either letter(s) from employer(s) or documented nursing hours

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Public Safety Communications Certificate

Contact

BEAVER, JUDY at (250) 828-5213 or
McKAY, ANDREW, B.A. (Hons.), M.P.A. (U.Vic.), D.B.A. (CSU), C.H.R.P. at (250) 828-5120

Program Description

This unique, nine-month program (including a practicum) prepares students for a well paid and growing industry that requires professionally selected and trained public safety communicators. Public safety communicator's expertise can mean the difference between life and death for a caller. Rapid technological changes, as well as greater social and cultural diversity, have heightened the need for communicators who can successfully function under considerable pressure.

The introduction of 911 throughout North America has brought increased public attention to the role of the public safety communicators. While the duties performed by communicators vary considerably according to the function and structure of the organization, there is a simple common element: the communicators link the public to those who provide police, fire and emergency medical assistance.

Career Opportunities:

- graduates qualify at an entry level, as police, fire and emergency medical communications operators
- apply to prospective employers with the knowledge, skills, and attitudes needed to function effectively as communications operators within the public safety industry as well as related fields of call centre and dispatch operations

Content

This intensive certificate program is organized according to the following principles:

- The development of an appropriate level of understanding of the legal, regulatory and procedural framework within which graduates of the program are expected to function.
- The provision of hands-on training with various communications systems similar to those used in the field are conducted in our campus lab.
- The development of the human relations and personal skills needed to effectively handle callers, relate to co-workers and supervisors, and manage on-the-job stress.
- The integration of learning through a wide variety of incident simulations, oral and written presentations, field trips, and practicums.

Components of the program focus on cultural and societal sensitivity and teamwork.

Student Profile

A desire to help people is an important qualification for public safety communicators but does not ensure success in this demanding career. Public safety communicators must have superior multi-tasking abilities, be able to simultaneously manipulate telephones and radios while thinking quickly and critically, and make necessary decisions with limited information. The communicators must have excellent listening skills, be assertive but not aggressive, be able to maintain emotional control and work well in a team setting.

Students must be prepared to work hard, actively participate in all facets of the program, show enthusiasm and commitment and be willing to accept constructive criticism to attain the skills necessary for employment. Ideally, applicants will have some experience in related fields such as victims' assistance and crisis management.

Admission Requirements

Provide proof of high school graduation (or completion of GED) or equivalent. 73% on combined English 12 and Government Exam within last 5 years OR a score of 4 or higher on the composition section of the Language Proficiency Index exam within the last 2 years OR completion of English 060. Achieve keyboarding speed of 20 wpm or higher. Pass a basic criminal record search.

These selection criteria are subject to change.

To receive an information package detailing the program, career prospects and admission process, please contact Judy Beaver at (250) 828-5213.

Costs

Costs for all applicants:

Application fee	$25.00
Basic Category 4 Criminal Record Check	No fee for educational purposes
Typing Test	$10.00 (varies)
LPI exam	$49.00

Additional costs for ADMITTED students ONLY:

Tuition	$5,568.00
Student fees	$550.00 (approx)
Background checks for Enhanced Reliability Security Clearance	$350.00 (approx)
Textbooks (2 semesters)	$400.00 (approx)
CPR "C"	$60.00 (offered at TRU)

Course Requirements

Courses are kept up-to-date through instructors' professional development, through consultations with the program's advisory board and with the field generally, and through the procurement of appropriate equipment. Program curriculum is continually updated to industry needs.

September – December

PSCM 110	Call Processing
PSCM 112	Telecommunications
PSCM 114	Human Behaviour
PSCM 115	Legal and Regulatory Influences
ABTS 114	Keyboarding Accuracy and Speed Development

January – May

PSCM 126	Practicum
PSCM 130	Police Communications
PSCM 140	Emergency Planning
PSCM 141	Fire Communications
PSCM 150	Emergency Medical Communications

Graduation

Upon successful completion of this Program, students are awarded the Certificate in Public Safety Communications

Respiratory Therapy

Program Governance

Dean, Sciences

PRINS, LARRY, R.R.T. (Fanshawe), I.D. (Brit. Col.), M.A. (Gonzaga), Advanced R.R.T. (C.S.R.T.)

Chairperson

SHEETS, DAVID, R.R.T. (U.C.C.), I.D. (V.C.C.), M.A. (Royal Roads), Chairperson, Allied Health

Program Coordinator

SHEETS, DAVID, R.R.T. (U.C.C.), I.D. (V.C.C.), M.A. (Royal Roads), Chairperson, Allied Health

Faculty

CHAN, JANINE, B.Sc., B.A. (Wash.), R.R.T. (U.C.C.), I.D. (V.C.C.), C.A.E. (C.N.A.C.), Respiratory Therapy
DORVAL, TOM, R.R.T. (Algonquin), I.D. (V.C.C.), M.Ed. (S.F.U.), Respiratory Therapy
LEMPHERS, MIKE, R.R.T. (U.C.C.), M.A. (Royal Roads), Respiratory Therapy
MATTHEWS, LES R., R.R.T. (Fanshawe), H.D.M. (C.H.A.), I.D. (Brit. Col.), M.A. (Gonzaga), Advanced R.R.T. (C.S.R.T.), Respiratory Therapy
MOSS, RANDY, R.R.T. (U.C.C.), Respiratory Therapy
MUELLER, LINDA, R.R.T. (U.C.C.), I.D. (V.C.C.), M.Ed., (S.F.U.), Respiratory Therapy
NOYES, HEATHER, R.R.T. (U.C.C.), I.D. (V.C.C.), B.H.S. (R.T.) (B.C.O.U.), Respiratory Therapy

Clinical Site Coordinators

BEATON, LYNN, R.R.T., B.C. Children's Hospital
BURSEY, SHANE, R.R.T. Royal Inland Hospital
GELLING, CORRY, R.R.T., Greater Victoria Hospital Society
BAYNE, SHERRY, R.R.T., Vancouver Hospital
LASCELLE, RICK, R.R.T., B.A. Royal Columbian Hospital
CHAU, SERAFINA, R.R.T., Royal Inland Hospital
FARINA, LENA, R.R.T., BSc., St. Paul's Hospital
WILKEY, MITCH, R.R.T. Vancouver Hospital
WONG, DUANE, R.R.T., B.C. Children's Hospital

Medical Advisors

MCCARTHY, Dr. J., Royal Columbian Hospitall
PORAYKO, Dr. L., Greater Victoria Hospital Society
RONCO, Dr. J., Vancouver Hospital
SMYTH, Dr. J., B.C. Children's Hospital
WILCOX, Dr P., St Paul's Hospital

Introduction

Respiratory Therapy 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.

Applicants should have a sound secondary school background in science and an interest in helping and caring for people. Students interested in pursuing a career in Respiratory Therapy must arrange a visit to a large hospital that has an active Respiratory Therapy Department. The program application package provides hospital visit information.

Program Description

TRU is the only educational institution in British Columbia to offer a program in Respiratory Therapy. The program is accredited by the Canadian Society of Respiratory Therapists.

Although all students are admitted into the 3 year RT diploma program, there are two completion options. Option one, is a 3 year Diploma stream, while option two is a 4 year dual Diploma/Degree stream. Students declare interest to enter into the Diploma/Degree stream during year one of the program.

The dual Diploma/Degree stream allows successful students to graduate with both a 3 year RT diploma and a 4 year Bachelor of Health Science Degree within a four year period. There are a limited number of seats in this stream.

Admission into the dual stream is selective. The selection process will be made available to all first year students during the first semester of the program.

Following completion of studies at TRU the student attends an 11 month clinical internship at 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 program the graduate is eligible to sit the National Certification Examination, for the professional qualifications of R.R.T. (Registered Respiratory Therapist).

Admission Requirements

A selective admission process is used to determine admission to year one of the Respiratory Therapy Diploma Program. Criteria for the selective process will be made available to applicants. Since there are a limited number of seats available in this program applications should be submitted early. It is important to complete all aspects of your application.

Minimum Criteria for Admission

1. Educational Requirements

   a. B.C. Grade 12 Graduation with a C+ minimum average or equivalent.

   b. B.C. Principles of Math 12*, or MATH 060 and 061, or equivalent with a - C+ minimum grade.

   c. B.C. Chemistry 12*, or CHEM 060, or equivalent with a - C+ minimum grade.

   d. B.C. Biology 12*, BIOL 060, or equivalent with a - C+ minimum grade.

   e. B.C. English 12 or equivalent - C+ minimum grade, ENGL 060 - C+ minimum grade, or ESAL 057 and ESAL 058 with a C+ minimum grade, or Level 3 on LPI, or equivalent.

   f. B.C. Physics 11, PHYS 050, or equivalent - C+ minimum

   *These credits must normally have been obtained within five years of application.

2. General Requirements

   a. Canadian Citizenship or Landed Immigrant Status

   b. Completion of program/career orientation or hospital RT department (proof of attendance required)

   c. Completion of "C" level CPR (Basic Rescuer)

   d. Successful medical upon acceptance

   e. Complete immunization schedule upon acceptance

   f. Criminal record check

3. Documentation Requirements

The following documentation is necessary to verify admission requirements:

   a. Official transcripts of previous secondary and post-secondary educational record.

   b. Proof of Citizenship or Landed Immigrant Status required if applicant not born in Canada.

   c. Verification of Program/Career Orientation.

   d. Proof of CPR completion.

   e. Proof of Criminal record check completed.

Medical forms are sent to applicants who are admitted to the program.

Application Procedure

Prospective students must submit an application to the program to be received no later than March 31st. In the event of unfilled seats, applications may be accepted after the March 31st deadline. In addition there is an early acceptance deadline of February 15th. Applicants who complete their applications before this date will be assessed for admission prior to the program application deadline. A selective admission process is used to determine admission to year one of the Respiratory Therapy Diploma Program. The application should include evidence of meeting all program prerequisites. Applicants will be notified in writing of their status at the end of April. Note: acceptance is conditional based on receipt of final grades.

The application package can be obtained by contacting:

Sandee Mott, Admissions, Registrar's Office

Email (mailto:smott@tru.ca)**, 250-828-5037**

The application information is described in more detail on our website: Respiratory Therapy Diploma
(http://www.tru.ca/schs/aldhlth/resp/)

Criminal Record Check

RT Program applicants are required to undergo a criminal record check during the application process. Specific instructions to guide students through the record check process is provided on the program website and within the program application package.

Individuals (students) with criminal convictions may not be eligible to take an RT practice course since hospitals and other practice agencies have the right to bar individuals with criminal records from practicing respiratory care in their agencies. 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.

Our clinical affiliates require a criminal record check at an RCMP or police station prior to hiring of new graduates or accepting students for practicum placement. It is the student's responsibility to meet the requirements of practice agencies with regard to criminal record checks. Practicum placements reserve the right to refuse to accept students with a criminal record. Not completing the clinical practicum (third year) would prevent a student from successfully completing the program.

Promotion Policy

An overall grade of C and a minimum mark of 50% on the final exam is required for a passing grade in each Respiratory course, PHYS 158 and BIOL 159/169. Since the 50% required on a final exams is already 10% below the overall mark required for a passing grade, there will be no leniency granted in cases where less than 50% is obtained on a final exam. Since the pass requirement for all science and RESP courses in the Respiratory Therapy Program is a minimum C, a grade of less than C is a failure in those courses. A student must successfully complete all courses in order to continue on to the next semester.

Students may be allowed to continue on a probationary basis if the student is granted academic probation. A student will be allowed to continue on in the program under academic probation when he/she attains a grade of C- in any one RESP or science course during a semester as long as a passing grade is achieved 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 three-year 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.

Applicants should be aware that 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.

Completion Requirement

Diploma completion is expected within 3 consecutive years following entry. At the discretion of the Program Coordinator, this may be extended to 4 consecutive years. Please see the Program Coordinator for details regarding the dual diploma-degree stream.

Advanced Placement

Students who have completed a science associate or undergraduate degree may apply for advanced placement into the second year of the program. This fast track option is available on a selective admission basis. Applicants need to complete a program application. Applicants may be admitted prior to completion of the required distance study courses if specific criteria are met. Distance courses must be completed before admission or before commencement of the fall semester depending on the student. Interested students may contact the Program Coordinator for individual counselling. For students entering first year, transfer credit for previous post-secondary education will be given when course transcripts are approved by the Program Coordinator.

Costs

- Tuition: See Fees/Payment of Fees (Step 3)section of Calendar
- Books and supplies: approximately $1,200 in each of first and second years.
- Relocation: **Students must be prepared to relocate to the Lower Mainland or Victoria for all or part of third year.**
- $16.50 lab/studio fee for courses shown with (L).
- The student will be urged to join the CSRT/CRBC early in the first year. The cost will be approximately $650 for the 3-year student membership which includes gold pin, certificate and prepayment for the board exams.
- Students will be required to undergo immunization for Hepatitis B before entering the clinical year.

Failures and Repeats

Failing or withdrawing students should recognize that there is no guarantee of the opportunity to repeat courses. The ability to cater to requests to repeat courses will depend upon the number of spaces available after first time full-time students have been accommodated. Students must achieve a C or better in BIOL 159/169, PHYS 158 and all RESP courses in order to pass these courses.

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, lab marks will be integrated within the course. Student must re-register for the course 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.

In cases of program re-entry, the relevant department may require potential repeating students to challenge certain portions of courses in which they previously received credit, in order that the currency of practical skills can be assessed. All potential repeating students 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 Coordinator and the approval of the Divisional Dean.

All potential repeating students are reminded that they are subject to program completion time requirements.

Course Requirements

First Year	
BIOL 159/169	Human Biology - Anatomy and Physiology (L)
ENGL 181	Business, Professional and Academic Composition
ENGL 197	Report Writing and Presentation for Students of Respiratory Therapy
MATH 120	Introduction to Statistics
PHYS 158	Physics for Respiratory Therapists (L)
RESP 165	Introduction to Mechanical Ventilation
RESP 158	Instrumentation for Respiratory Therapists (L)
RESP 168	Instrumentation for Respiratory Therapists 2 (L)
RESP 169	Cardiopulmonary Anatomy & Physiology
RESP 251	Pharmacology
RESP 272	Professional Issues
Second Year	
Note: All 3rd semester courses are prerequisite to 4th semester courses.	
3rd Semester	
RESP 250	Pathophysiology
RESP 255	Mechanical Ventilation (L)
RESP 257	Blood Gas Analysis and Interpretation (L)
RESP 259	Patient Assessment (L)
RESP 268	Pulmonary Function (L)
4th Semester	
RESP 264	Application of Mechanical Ventilation
RESP 260	Respiratory Pathophysiology
RESP 262	Anaesthesia (L)
RESP 263	Neonatology (L)
RESP 271	Assessment and Interventions in Multisystem Disorders
Third Year	
RTCL 304	Neonatal and Pediatrics (Clinical)
RTCL 311	Level 1 Clinical (Rotation)
RTCL 312	Level 2 Clinical (Rotation)
RTCT 304	Clinical Theory: Neonatal and Pediatrics
RTCT 311	Respiratory Therapy Clinical Theory (Level 1)
RTCT 312	Respiratory Therapy Clinical Theory (Level 2)

Clinical Practicum - 3rd Year

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 - December, the student will be expected to meet certain predetermined objectives in all rotations. Level 2, December - 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, paediatrics and nursery, and Respiratory Therapy Department.
3. Critical Care, which will include adult and neonatal intensive care, operating room and anaesthesia, 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. Since the 50% required on a final exam is already 10% below the overall mark required for a passing grade, there will be no leniency granted in cases where less than 50% is obtained on a 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:

- Interior - Vancouver or Vancouver - Interior
- Vancouver – Vancouver
- Vancouver – Victoria or Victoria – Vancouver

Third Year		
RTCL 304	Neonatal and Paediatrics Clinical	7 weeks
RTCL 311	Level 1 Clinical Rotation	22 weeks
RTCL 312	Level 2 Clinical Rotation	17 weeks
RTCT 304	Clinical Theory: Neonatal and Pediatrics	7 weeks
RTCT 311	Respiratory Therapy Clinical Theory (Level 1)	June - October
RTCT 312	Respiratory Therapy Clinical Theory (Level 2)	November - April

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Teaching English as a Second Language

Program Governance

Dean, Student Development

MITCHELL, KATHLYN, B.Ed. (Brit. Col.), M.Ed. (S.F.U.), University Prep.

Chairperson

THOMSON, BRUCE, B.A. (Brit. Col.), Cert. Ed. (S.F.U.), M.A.T. (S.I.T.), Chairperson, E.S.L.

Introduction

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 for a TESL Canada level 1 certificate. This program may be taken on either a full-time or part-time basis.

Program Description

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 including a minimum of a 20-hour practicum. The components of the program introduce students to the core topics of applied linguistics, curriculum design and instruction methodology, cross cultural studies, as well as to a variety of teaching modules such as Computer Assisted Instruction, Pronunciation Skills and Use of Language Lab and Video Techniques, which promote currency in the field of ESL teaching.

The program consists of the following five courses:

TESL 301	Curriculum and Instruction
TESL 302	Applied Linguistics
TESL 303	Intercultural Communication Studies
TESL 304	TESL Techniques
TESL 305	Practicum

Admission Requirements

Completion of a Bachelor's degree from an English speaking university and an admission interview are required to enter this program. If a student holds a degree from a non-English speaking university an iBT (internet TOEFL) score of 88 with no section below 20 (or TRU accepted equivalent) is required for entry into the program.

Application Procedure

Applicant must submit an application to the program one month prior to the commencement of the semester. If seats in the program are available, applications will be accepted until the commencement of the semester. All applicants must be available for an admission interview.

Completion Requirement

A grade of C or better in all TESL courses is required to complete this program. It is generally requested that part-time students are required to complete this program within two years.

Advanced Placement

Students wishing advanced placement must comply with the prior learning requirements of Thompson Rivers University.

Costs

Tuition fees for domestic students are $1,701 and for International students are $6,800.

Tourism Management Programs

Program Governance

Dean, School of Tourism
TWYNAM, G. DAVID, B.Phys.Ed. (U.N.B.), M.Sc., Ph.D. (Oregon)

Chairperson, Tourism Management Department
HOOD, ROBERT, B.Phys.Ed. (Calg.), M.S., Ph.D. (Illinois), Assistant Professor

Program Coordinator
HEER, JARITA, B.T.M. (T.R.U.)
(250) 828-5366

Tourism Management Programs

- Bachelor of Tourism Management Degree (BTM) (on page 86)
- Events and Conventions Management Diploma (on page 159)
- Resort and Hotel Management Diploma (on page 160)
- Sports Event Management Diploma (on page 161)
- Tourism Management Diploma (on page 161)
- Aboriginal Tourism Certificate (on page 162)
- Event Management Certificate (on page 162, http://www.tru.ca/tourism/online.html)

Admission Requirements

Please refer to the General Information section of the calendar for the statement of admission policy at TRU.

High School Graduation

- B.C. Grade 12 or equivalent or mature student status

English

- B.C. English 12 and Government exam with a combined grade of 73% or better within the last 5 years
- **OR** completion of ENGL 060 (University level English 12 equivalent)
- **OR** Language Proficiency Index (LPI) with a Level 4 or better within the last 2 years
- **OR** completion of ESAL 057 and ESAL 058 with a minimum grade of C+
- **OR** equivalent

Mathematics

- B.C. Principles of Math 11 with C or better
- **OR** Applications of Math 12
- **OR** MATH 051 with a minimum grade of C

Students with B.C. Principles of Math 12 with C+ or better will be exempt 1st Year Math (MATH 110) but must make up the three credits by taking an additional course.

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. This course can be used as an elective prior to taking COMP 291 - Computer Applications in Business (a requirement in the BTM).

Application Procedure and Documentation

Applications are obtained from the Admission's Office. Please refer to the General Information (on page 5) section of this calendar for the admission policies or visit (http://www.tru.ca/admreg/index.html).The following documentation must be included with all applications:

1. Official transcripts of all previous secondary and post-secondary educational records.
2. Proof of citizenship, landed immigrant status, or valid student visa.
3. A detailed resume outlining educational accomplishments and credentials, work and volunteer experience, and personal interests and activities.
4. If requesting exemption from the Field Work requirements, submit letters of reference confirming the nature, length, and quality of your work experience.

Exemptions and Advanced Credit

Students who have passed Tourism 11 and Tourism 12 in high school will receive credit for TMGT 111.

Students who have completed Math 12 with a C+ or better will be exempted from MATH 110 but must make up the three credits by taking an additional course.

Prior Learning Assessment and Recognition (PLAR)

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. For more information see the Prior Learning Assessment and Recognition section of this calendar.

A learner requesting PLAR must normally be admitted to TRU before the PLAR process will be commenced. A maximum of twenty-five percent of the credits required in the program can be awarded to prior learning. Please refer to TRU Policy ED-2-0 for more information about the PLAR process.

Field Trips

Some Tourism Management programs will include mandatory field trips. 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 field trip activity fees, currently set at $600.

Transfer Opportunities

Graduates of the Events and Conventions Management Diploma, the Resort and Hotel Management Diploma, and the Sports Event Management Diploma can transfer into the TRU Bachelor of Tourism Management Degree (BTM) program.

Students who have completed a Tourism certificate can apply those credits towards further diploma and degree studies within the School of Tourism at TRU.

Events and Conventions Management Diploma

A two-year Diploma

Program Introduction

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.

Tourism programs at TRU have the strong support and commitment of industry. Graduates have found employment locally, provincially, nationally, and internationally. Often, employment opportunities for our students have been activated by work experience opportunities that have been built into the programs.

Program Outline

Events and Conventions Management Diploma courses:

Year One		
Fall Semester		
Course	**Course Title**	**Cr**
ENGL 181	Business, Professional and Academic Composition	3
MATH 110	Finite Mathematics with Applications I	3
TMGT 111	The Tourism Industry	3
TMGT 115	Marketing & Customer Service	3
TMGT 116	Organizational Leadership in Tourism	3

Winter Semester		
ACCT 100	Financial Accounting	3
CONV 219	Destination Marketing Organizations	3
ENGL 192	Professional Presentation/Communication	3
HMGT 111	Catering and Service Management	3
TMGT 114	Human Resources Management	3
	Total Credits Year 1	**30**

Year Two		
Fall Semester		
Course	**Course Title**	**Cr**
ACCT 101	Management Accounting	3
CONV 210	Conference Management 1	3
CONV 224 or CONV 226	Sports Event Management Managing Festivals and Events	3
ECON 122 or ECON 190 or ECON 195	Introduction to Basic Economics* Principles of Microeconomics Principles of Macroeconomics	3
TMGT 225	Hospitality Law	3

Winter Semester		
COMP 291	Computer Applications in Business	3
CONV 211	Conference Management II	3
CONV 217	Fundraising for Non-Profit Organizations	3
TMGT 207	Staging Special Events	3
TMGT 259	Entrepreneurship	3
TMGT 150 CONV 250	Field Trip Activity Fee ($300.00) Field trip Activity Fee-Year 2 ($300.00)	
	Total Credits Year 2	**30**
NOTE: Before graduating, and 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. *Students are advised to take ECON 190 or ECON 195 if intending to pursue the BTM.		
	Total Program Credits	**60**

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Resort and Hotel Management Diploma

A two-year Diploma

Program Introduction

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. By use of lecture, 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. Graduates will have a well-rounded exposure to 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 resorts and hotels. Graduates have found employment in a variety of resorts and hotels throughout the world. Employment opportunities for students are often activated by work experience opportunities that have been built into our diploma program.

Careers in this field can be demanding, challenging and rewarding. Students with high standards, a commitment to success and a strong guest service focus will find infinite possibilities for careers in this industry.

Program Outline

Resort and Hotel Management program courses:

Year One		
Fall Semester		
Course	**Course Title**	**Cr**
ENGL 181	Business, Professional and Academic Composition	3
HMGT 111	Catering and Service Management	3
MATH 110	Finite Mathematics with Applications I	3
TMGT 111	The Tourism Industry	3
TMGT 115	Marketing and Customer Service	3
TMGT 116	Organizational Leadership in Tourism	3

Winter Semester		
ACCT 100	Financial Accounting	3
ENGL 192	Professional Presentation/Communication	3
HMGT 121	Food & Beverage Preparation	3
HMGT 212	Hotel Sales and Services	3
TMGT 114	Human Resources Management	3
	Total Credits Year 1	**33**

Year Two		
Fall Semester		
Course	**Course Title**	**Cr**
ACCT 101	Management Accounting	3
HMGT 211	Resort Management	3
HMGT 221	Food & Beverage Management	3
HMGT 241	Hotel Operations 1	3
TMGT 225	Hospitality Law	3

Winter Semester		
COMP 291	Computer Applications In Business	3
ECON 122 or ECON 190 or ECON 195	Introduction to Basic Economics* Principles of Microeconomics Principles of Macroeconomics	3
HMGT 210	Food & Beverage Cost Control	3
HMGT 251	Hotel Operations II	3
TMGT 150 HMGT 250	Field Trip Activity Fee ($300.00) Field Trip Activity Fee - Year 2 ($300.00)	-
	Total Credits Year 2	**27**
NOTE: Before graduating, and 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. *Students are advised to take ECON 190 or ECON 195 if intending to pursue the BTM.		
	Total Program Credits	**60**

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Sports Event Management Diploma

A two-year Diploma

Program Introduction

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.

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.

Program Outline

Sports Event Management program courses:

Year One		
Fall Semester		
Course	**Course Title**	**Cr**
ENGL 181	Business, Professional & Academic Composition	3
PHED Elective	PHED Elective	3
PHED 211	An Introduction to the Study of Sport	3
TMGT 115	Marketing & Customer Service	3
TMGT 116	Organizational Leadership in Tourism	3

Winter Semester		
ACCT 100	Financial Accounting	3
ECON 195	Principles of Macroeconomics	3
ENGL 192	Professional Presentation/Communication	3
CONV 125	Sports Event Marketing	3
PHED 213	Sport in Canadian History	3
	Total Credits Year 1	**30**

Year Two		
Fall Semester		
Course	**Course Title**	**Cr**
ACCT 101	Management Accounting	3
CONV 224	Sports Event Management	3
CONV 226	Managing Festivals and Events	3
PHED 200	The Analysis of Performance in Team Sports	3
ECON 190 or ECON 243	Principles of Microeconomics Global and Canadian Economic Issues	3

Winter Semester		
COMP 291	Computer Applications in Business	3
CONV 217	Fundraising for Non-profit Organizations	3
PHED 112 PHED Elective	Outdoor Activities PHED Elective	3
TMGT 114	Human Resources Management	3
TMGT 259	Entrepreneurship	3
	Total Credits Year 2	**30**
NOTE: Before graduating and in order to receive the Sports Event Management Diploma, students must complete a minimum of 500 hours of relevant work experience in the Sports Event industry.		
	Total Program Credits	**60**

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Tourism Management Diploma

A two-year Diploma

Program Introduction

Students enrolled in the Bachelor of Tourism Management program who wish to exit the program upon completion of year 2 can obtain a TRU Tourism Management Diploma by meeting the following criteria: Complete a request, at the Register's Office, for the “Tourism Management Diploma” upon completion of Year 2 courses. Meet all requirements identified below: A minimum of 60 credits.

Program Outline

Tourism Management Diploma courses:

Year One		
Fall Semester		
Course	**Course Title**	**Cr**
ENGL 181	Business, Professional & Academic Composition	3
MATH 110	Finite Math with Applications 1	3
TMGT 111	The Tourism Industry	3
TMGT 115	Marketing & Customer Service	3
TMGT 116	Organizational Leadership in Tourism	3

Winter Semester		
ACCT 100	Financial Accounting	3
Choose one of: CONV 219 or CONV 125 or HMGT 212	 Destination Marketing Sports Event Marketing Hotel Sales and Services	3
TMGT 114	Human Resource Management	3
ENGL 192	Professional Presentation/Communication	3
One Elective:	All electives must be Tourism courses (TMGT, CONV, HMGT, ADVG)	3
	Total Credits Year 1	**30**

Year Two		
Fall Semester		
Course	**Course Title**	**Cr**
ACCT 101	Management Accounting	3
ECON 190	Principles of Microeconomics	3
TMGT 225	Hospitality Law	3
Two Electives:	All electives must be Tourism courses (TMGT, CONV, HMGT, ADVG)	6

Winter Semester		
COMP 291	Computer Applications in Business	3
ECON 195	Principles of Macroeconomics	3
STAT 120	Introduction to Statistics	3
TMGT 261	Environmental Issues in the Tourism Industry	3
One Elective:	All electives must be Tourism courses (TMGT, CONV, HMGT, ADVG)	3
	Total Credits Year 2	**30**
	Total Program Credits	**60**

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

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 Aboriginal culture and heritage.

Please contact the School of Tourism at (250) 828-5132 for program details and to determine when the certificate will be offered in your community.

Program Introduction

The goal of the TRU Certificate in Aboriginal Tourism is to graduate First Nations students with the skills necessary to become employed in the tourism industry. We ensure a high-quality post-secondary program that is responsive to the needs of aboriginal learners and is linked to labour market opportunities and employment in the field of Aboriginal Tourism. The foundation of the program is on cultural and applied tourism and small business skills.

Program Outline

Aboriginal Tourism Certificate Courses:

These courses provide the framework for the certificate, but can be reorganized and customized to accommodate community needs.

Fall Semester		
Course	**Course Title**	**Cr**
ACCT 103	Introduction to Accounting Principles	3
COMP 100	Introduction to Computers & Business Information Systems	3
TMGT 111	The Tourism Industry	3
TMGT 115	Marketing & Customer Service	3
TMGT 116	Organizational Leadership in Tourism	3

Winter Semester		
Course	**Course Title**	**Cr**
Choose one course from:		
CONV 125 or CONV 219 or HMGT 212	Sports Event Marketing Destination Marketing Organizations Hotel Sales & Service	3
TMGT 102	Cultural, Heritage & Nature Interpretation	3
TMGT 103 (on page 306)	Group Tour Operations I (Aboriginal Perspectives)	3
TMGT 104 (on page 306)	Group Tour Operations II	3
TMGT 114	Human Resources Management	3
	Total Program Credits	**30**

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Event Management Certificate

Program Introduction

The Event Management Certificate (http://www.tru.ca/tourism/online.html) is designed to give students the knowledge and skills necessary to plan and manage festivals and special events. The certificate has six courses that can be taken in any order. All courses are delivered online.

Transfer Opportunities

The courses in the certificate are credited and can transfer into the TRU Bachelor of Tourism Management (BTM) program or any of the Tourism Diplomas offered at Thompson Rivers University. However, admission requirements to Diploma or BTM programs must be met prior to the transfer of credits.

Program Outline

Courses will be offered on a rotating basis.

Course	Course Title	Cr	Cross Referenced (Offered on Campus)
CONV 101	Introduction to Tourism	3	TMGT 111
CONV 102	Introduction to Special Event Management	3	CONV 226
CONV 103	Celebrating Community and Culture	3	Elective
CONV 104	Event Volunteer Management	3	Elective
CONV 105	Legal Liability and Risk Management	3	TMGT 225
CONV 106	Event Marketing	3	TMGT 115

For more information, please contact:

Brenda McGregor,
Coordinator, Event Management Certificate
Phone: 377-6146
Email (mailto:bmcgregor@tru.ca)

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Visual Arts Diploma

The Visual Arts Program forms part of the Visual and Performing Arts Department.

Program Governance

Dean, Arts
SCHECK, ULRICH, Staatsexamen (U Mannheim/Germany), M.A., Ph.D. (Waterloo)

Chairperson
LAWRENCE, DONALD, B.F.A. (U.Vic.), M.F.A. (York), Associate Professor, Chairperson, Visual & Performing Arts

Program Description

Students of 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 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.

Program Requirements

Students can qualify for the TRU Visual Arts Diploma on completion of 60 credits, 48 of which would be in Visual Art and at least 21 of these credits should be achieved at second year level. An overall grade point average of 2.33 is also required for Diploma status. It is required that Diploma students complete appropriate Studio 2D and 3D Foundation courses: VISA 101, 102 and 103 and VISA 121: Drawing 1, before progressing to the second year of Visual Arts courses. Diploma students must also complete the first year History of Art courses: VISA 111, 121 as well as ENGL 110 and one of ENGL 111, 112, 114, 121 or VISA 150 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 towards a BFA or other Arts degree, please consult the Department Chair of the Visual and Performing Arts Department or a TRU Academic Advisor.

Visual Arts Gallery

Situated off of Student Street, this gallery is used to present displays of student, faculty and community art works. It is run by the Visual Arts Gallery Committee.

Admission Requirements

1. B.C. Grade 12, or equivalent
2. 73% on combined English 12 and Government Exam (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 060.

   or, completion of ESAL 057 and ESAL 058 with C+ or better.

Optional Portfolio Review for Advanced Placement

Advanced placement in first year Visual Arts courses is available to those applicants who submit a successful portfolio application to the department Chair or Coordinator by April 1st. An Admissions Requirement package for Visual Arts is available on request from the TRU. Admissions Office in the Old Main Building (off of Student Street); phone (250) 828-5251.

Portfolio Requirements

- A single sheet with the applicant's full name, address and telephone number, student number and a list of portfolio contents.
- Ten to fifteen artworks, or good quality photographic reproductions on paper, slides, or in jpeg files on cd rom that demonstrate the applicant's abilities in such fundamental areas as drawing, painting and/or three dimensional art media and indicate a breadth of interest.
- A single sheet which outlines the applicant's educational goals and areas as drawing, painting and/or three dimensional art media and indicate a breadth of interest.
- A copy of the applicant's secondary and/or post-secondary transcripts
- A clearly labelled (name, address and telephone number of the applicant) portfolio suitable for protecting its contents

Portfolio Submission Process

- Acquire a student number from the Thompson Rivers University Admissions Office (see contact above).
- Submit portfolio to the Chair of the T.R.U. Visual and Performing Arts Department by April 1st.
- Applicants are responsible for arranging pick up of the portfolio from the department Chair, or Coordinator.

Costs

$16.50 lab/studio fee for courses shown with (L).

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Water Treatment Technology Program

Program Governance

Dean of Science

PRINS, LARRY, R.R.T. (Fanshawe), I.D. (Brit. Col.), M.A. (Gonzaga), Advanced R.R.T. (C.S.R.T.)

Chairpersons

DALY, BRYAN, R.R.T. (Algonquin), I.D. (Brit. Col.), M.A. (Gonzaga), Chairperson, Water Treatment Technology

Program Coordinator

BENOIT, STEVE, I.P. Elect. (B.C.), I.D. (Brit. Col.), Coordinator, Water Treatment

Program Description

The Water Treatment Technology Program is an innovative and unique program that is designed to deal with the educational concerns in the water treatment industry. The program supports a progressive credential structure (certificates, diploma,degree) as well as a flexible distance delivery format promoting the "life-long learning" concept strongly supported by Thompson Rivers University.

The main objective for the program is to provide a comprehensive educational opportunity for immediate and future plant operators and managers. The target student audience would typically fall into the following general categories:

- Plant operators achieving the required continuing education unit (CEU) to meet or improve their certification level. For information on continuing education for industry, go to Continuing Education for Industry on line (http://www.tru.ca/science/distance/water.html).
- Plant operators achieving the required continuing education unit (CEU) to meet or improve their certification level AND ladder their education to the Water Treatment Technology Program. For information on taking courses for credit toward an institutional certificate of diploma, go to Current Courses Available on-line (http://www.tru.ca/science/distance/water.html).
- Entry level students who have no direct experience but would like to enter the field of Water Treatment Technology. For information on getting started in the program and achieving an institutional certificate or diploma, go to Current Courses Available on-line (http://www.tru.ca/science/distance/water.html).

In order to accommodate students most effectively, a creative delivery method combining distance education with on-site block practicums is used.

The bulk of the training can be done at home or at work resulting in reduced cost and scheduling concerns for both students and employers.

Scheduled on-site practicums at the Kamloops River Street Plant will expose students to the plants' "state of art" technology and ensure that the applied nature of our program is maintained.

Some students, due to the distance to the facility, will not be able to attend the on-site practicum in Kamloops. The program is designed to be flexible so an operator working in a plant can apply to have the practicum performed at a more convenient location. The details of the practicum would be organized between the operator, employer and program facilitator.

The program will also recognize past educational and work experience, through a Prior Learning Assessment. In this way a student could be granted credit for specific courses or portions of the program.

There is a Steering Committee (Advisory) that represents industry experts from:

- British Columbia Water and Waste Association
- Environmental Operators Certification Program
- Interior Health Authority
- Municipal Treatment Facilities

Download a brochure: watertreatmentbrochure_print.pdf

For more information on operators certification please contact:

Environmental Operators Certification Program
201-3833 Henning Drive
Burnaby, B.C V5C6N5
Phone 604 874 4784
Email (mailto:eocp@eocp.org)

Note: In order to be recognized as a certified operator in the province of B.C., you must hold an EOCP (Environmental Operators Certification Program) accredited certificate. Although the Water Treatment Technology Program and associated courses have received the approval of the EOCP for appropriate technical training for Continuing Education Units (CEU), the TRU certificates are NOT to be confused with the accredited EOCP certificates.

Trades and Technology Programs

Dean, School of Trades & Technology

FINCH, RALPH, T.Q. (Steamfitting & Pipefitting), Voc. I.D. (Brit.Col), Cert. "A" Weld. (B.C.), Level I Weld Inspector, I.P. (B.C.)

Programs

TRU offers the following Trades and Technology programs:

Apprenticeship Programs

- Carpentry (on page 166)
- Commercial Transport Vehicle Mechanic (on page 168)
- Domestic/Commercial Gasfitter
- Electrical (on page 167)
- Heavy Duty Mechanic (on page 169)
- Piping (on page 171)
- Welding (on page 172)

Entry Level Trades Training Programs

- Automotive Service Technician (on page 167)
- Electrical (Construction & Industrial) (on page 167)
- Heavy Duty/Automotive Mechanics (Williams Lake Campus) (on page 169)
- Heavy Duty Mechanics / Commercial Transport Vehicle Mechanics (on page 168)
- Joinery (Cabinet Making) (on page 166)
- Power Sports and Marine Equipment Technician Program (on page 169)
- Partsperson: Automotive, Heavy Duty (on page 170)
- Piping Trade Entry Program (on page 170)
- Residential Construction (on page 166)
- Welder/Fitter (on page 172)
- Welding (on page 171) - C, B, and A Levels

TRU also offers many short vocational courses throughout the year. Short courses are advertised and administered through the Continuing Studies Department of TRU.

Apprenticeship training programs are short courses of technical training for indentured apprentices. Registered Apprentices should contact The School of Trades & Technology directly at (250) 371-5659 or 1-866-371-5659 to schedule their technical training. If you wish to become indentured, contact the Industry Training Authority at 1-866-660-6011.

Training Schedule

The Partsperson and Plumbing programs are offered on a continuous intake/exit, individualized, competency-based learning format. Intakes occur on the first Monday of each month when spaces are available. All other programs have fixed entry and exit points.

Interested persons should apply to the "Admissions Department, Office of the Registrar," then submit necessary transcripts and complete the required assessment test to place their names on a waiting list for the program of their choice.

Training Time

Training time varies with the individualized format; completion times range from 6 to 11 months, depending on the program.

Grading Systems

The following grading system applies to:

- Apprenticeship Programs
- Automotive Service Technician
- Electrical Trade Entry
- Heavy Duty/Commercial Transport Vehicle Mechanic
- Joinery
- Power Sports and Marine Equipment Technician
- Residential Construction/Carpentry
- Welding Levels C, B, A
- Welder/Fitter

Letter Grade	Percentage Definition	Equivalent
A+		98-100
A	Excellent Performance	94-97
A-		90-93
B+	Above Average, Very Good	86-89
B		82-85
B-	Good Performance	78-81
C+	Satisfactory Performance	74-77
C	Minimum Pass	70-73
F	Failure	0-69

The Partsperson and Piping Trade Entry Programs in Kamloops and the Automotive/Heavy Duty Mechanic Program in Williams Lake use the following system:

Letter Grade	Percentage Definition	Equivalent
A	Excellent Performance	94-100
B	Good Performance	87-93
C	Satisfactory Performance	80-86
F	Failure	Below 80
ADV	Advanced Credit Granted	
CC	Course Challenge Credit Granted	
W	Withdrawal From Course	

The School of Trades & Technology is a designated testing centre for:

- Welder Tests - Safety Engineering Service, Boiler and Pressure Vessels Branch
- Commercial Vehicle Inspection Program
- Air Brake Certificate
- Alternate Fuel Systems Installation Certificate - LPG and CNG
- CFC Emissions Certification
- Air Conditioning Retrofit
- Cross Connection

Carpentry

Chairperson

POESCHEK, PETER, I.P. Elect. (B.C.), Dipl. Comp. Maint., I.D. (Brit. Col.), Chairperson, Construction Trades

Instructor

BANGMA, HANK, I.P. Carp. (B.C.), Voc. I.D., Carpentry
E-mail (mailto:hbangma@tru.ca)
Phone: (250) 371-5663
Fax: (250) 371-5967

Residential Construction

This 8-month, 900 hour course 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. Students spend approximately 70% of their time building various projects of which the major project is a house built in the community.

Graduates will receive credit for first year apprenticeship technical training.

Commencement Date

August

Admission Requirements

Education Requirements

- Grade 12 graduation or equivalent
- Placement on the Entry Assessment Test for English at an 060 Level
- Placement on the Entry Assessment Test for Math at an 050 Level

General Requirements

- Students are required to supply their own approved safety glasses and boots.

Application Procedure

Admissions encourages you to submit an "Application for Admission" form and related documentation as soon as you complete each of the requirements. However, the minimum documentation which will be accepted is as follows:

- The $25.00 Application Processing Fee Receipt if you have never attended TRU before.
- A completed Application for Admission Form.
- A copy of your official interim or final grades.

Entry Assessment Test Schedule

To arrange for the Entry Assessment Test contact the TRU Assessment Centre at (250) 828-5470.

Arrangements can be made for out-of-town applicants to write the Entry Assessment Test at an authorized testing centre in their community. For further information call (250) 828-5470.

Joinery Trade Entry (Cabinet Making)

This 6-month program is an introduction to the joinery trade. Theory and practice is offered to allow students to build numerous projects including solid wood furniture, cabinets, kitchen cabinets, jigs and fixtures, etc.

Training prepares students for entry-level employment in the joinery trade. Basic theory and related information along with hands-on shop practice enable students to become competent in basic interior woodworking tasks. Upon successful completion of the program, many students choose to pursue a formal trades qualification by seeking employment as an apprentice.

Students spend approximately 70% of their time building various projects in the shop. The remainder of the time is classroom theory. Graduates will receive credit for first year apprenticeship technical training.

Instructor

SUTHERLAND, JOHN, B.A. (U. Vic.), I.P. Joinery (B.C.), I.D. (Brit. Col.), Joinery
E-mail (mailto:jsutherland@tru.ca)
Phone: 250-371-5657
Fax: 250-371-5967

Commencement Date

August

Admission Requirements

Education Requirements

- Grade 12 graduation or equivalent
- Placement on the Entry Assessment Test for English at an 060 Level
- Placement on the Entry Assessment Test for Math at an 050 Level

General Requirements

- Students are required to supply their own approved safety glasses and boots.

Application Procedure

Admissions encourages you to submit an Application Form and related documentation as soon as you complete each of the requirements. However, the minimum documentation which will be accepted is as follows:

- The $25.00 Application Process Fee Receipt if you have never attended TRU before.
- A completed Application for Admission Form.
- A copy of your official interim or final grades.

Entry Assessment Test Schedule

To arrange for the Entry Assessment Test contact the TRU Assessment Centre at (250) 828-5470.

Arrangements can be made for out-of-town applicants to write the Entry Assessment Test at an authorized testing centre in their community. For further information call (250) 828-5470.

Apprenticeship Carpentry

At TRU we offer training in years 1, 2, 3 and 4 of apprenticeship Carpentry. Students are required to purchase the government modules for the apprenticeship year in which they are enrolled.

Indentured apprentices please call 371-5659 or (toll-free) 1-866-371-5659 to schedule your next technical training session.

For information on how to become indentured as an apprentice, call the Industry Training Authority at 1-866-660-6011, or visit their web page (http://www.itabc.ca) .

Program Costs: Contact TRU Admissions at (250) 371-5540.

Electrical

Chairperson

POESCHEK, PETER, I.P. Elect. (B.C.), Dipl. Comp. Maint., I.D. (Brit. Col.), Chairperson, Construction Trades

Electrical Trade Entry

Instructors

DABNER, JASON, I.P. Elect. (B.C.), Class "B", Electrical
Email (mailto:jdabner@tru.ca)
Phone: (250) 377-6096
FINCH, MIKE, I.P. Elect. (B.C.), I.D. (Brit. Col.), Electrical
Email (mailto:rfinch@tru.ca)
Phone: (250) 828-5112
UNDERWOOD, RANDY, I.P. Elect. (Alta.), Class "B", Electrical
Email (mailto:runderwood@tru.ca)
Phone: (250)377-6091

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.

Course Content

This six-month course 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.

Commencement Date

August, November, February and May

Admission Requirements

Education Requirements

- Grade 12 graduation or equivalent
- Placement on the Entry Assessment Test for English at an 060 Level
- Placement on the Entry Assessment Test for Math at an 060 Level

General Requirements

- Students are required to supply their own approved safety glasses and boots.

Costs

Contact TRU Admissions at (250)371-5540. Estimated Program Costs (http://www.tru.ca/admreg/fees/programcosts.html) can also be viewed on-line on the TRU webpage.

Entry Assessment Test Schedule

To arrange for the Entry Assessment Test contact the TRU Assessment Centre at (250) 828-5470.

Arrangements can be made for out-of-town applicants to write the Entry Assessment Test at an authorized testing centre in their community. For further information call (250) 828-5470.

Electrical Apprenticeship

Instructors

CAMPBELL, BRUCE, I.P. Elect. (B.C.), Class “BX”, Electrical
Email: bcampbell@tru.ca
Phone: (250)371-5811
EVANS, MARK, I.P. Elect. (B.C.), Class “B”, Electrical
Email (mailto:mevans@tru.ca)
Phone: (250)377-6090
JONTZ, DOUG, Industrial I.P. Elect. (B.C.), I.D. (Brit. Col.), Electrical
Email (mailto:djontz@tru.ca)
Phone: (250)828-5017
JOYCE, KEVIN, I.P. Elect. (B.C.), I.D. (Brit. Col.), Electrical
Email (mailto:kjoyce@tru.ca)
Phone: (250)371-5782
WARD, BRIAN, I.P. Elect. (Alta.), Dipl. CAST (U.C.C.), I.D. (Brit. Col.), Electrical
Email (mailto:bward@tru.ca)
Phone: (250)371-5810

Program Description

At TRU we offer training in years 1, 2, 3 and 4 of the Electrical Apprenticeship. Students are required to purchase the government modules and any TRU developed packages for the apprenticeship year they are enrolled in.

Indentured apprentices please call 371-5659 or (toll-free) 1-866-371-5659 to schedule your next technical training session.

For information on how to become indentured as an apprentice, call the Industry Training Authority at 1-866-660-6011, or visit their web page (http://www.itabc.ca).

Costs

Contact TRU Admissions at (250)371-5540.

Admission Requirements

The applicant for apprenticeship must be of school leaving age, in good health and should possess a minimum Grade 12 or equivalent education. Mathematics, Chemistry and Physics at the Grade 12 level are desirable. Mechanical aptitude with an analytical approach to solving problems is essential in this trade.

Mechanical Trades

Chairperson

STAINTON, TIM, C.I.P. H.D. Mech. (B.C.), C.I.P. Comm. Trans. (B.C.), C.I.P. Auto Tech (B.C.), Voc. I.D. (Brit. Col.), Chairperson, Mechanical Trades and Welding
Email (mailto:tstainton@tru.ca)
Phone: (250) 828-5130
Fax: (250) 371-5911

Automotive Service Technician

Instructor

WRIGLEY, JOHN, Auto Mech, (B.C.), Voc ID (Brit. Col.), Automotive
Email (mailto:jwrigley@tru.ca)
Phone: (250) 828-5122
Fax: (250) 371-5911

Program Description

This course is intended to prepare people for employment as apprentices in the Automotive Mechanical Repair trade. Employment is normally indoors and may be anywhere from a small repair shop or service station doing general mechanical repairs to the complex service department of a large automotive dealership.

Course Content

General shop practice, automotive fundamentals, engines - air and liquid-cooled, basic test equipment, electrical systems, running gear, clutches, transmissions, anti-spin and conventional rear axles, steering systems and braking systems, applied mathematics and safety education will be covered.

With all entry level trade courses there is a strong emphasis on practical training in the shop on both training aids and live work projects.

Course Length

This course usually starts the last week of August and is completed the following June. Included in this time is a 4 week work practicum.

Admission Requirements

1. Educational
    1. B.C. Grade 10, but Grade 12 strongly recommended, or mature student status
    2. Satisfactory achievement on the Entry Assessment test
2. General Requirements
    1. Good health
    2. Mechanical aptitude
    3. Must have safety boots, glasses and three pairs of coveralls.

Costs

Contact TRU Admissions at (250) 371-5540. Estimated Program Costs (http://www.tru.ca/admreg/fees/programcosts.html) can also be viewed on the TRU Webpage.

- Student will supply and launder their own 100% cotton coveralls.
- Students must supply their own welding gloves and hat.

Heavy Duty Mechanics/Commercial Transport Vehicle Mechanics

Instructors

HIROWATARI, LYLE, I.P. Heavy Duty (B.C.), C.V.I.P. (B.C.), Heavy Duty Mechanics
Email (mailto:lhirowatari@tru.ca):
Phone: (250) 828-5135
PALMER, STEVEN J., Voc. I.D. (Brit. Col.), H.D. Mech. T.Q. (B.C.), Heavy Duty/Commercial Transport Mechanics ELTT
Email (mailto:spalmer@tru.ca)
Phone: (250) 828-5127
Fax: (250) 371-5911l

Program Description

The Heavy Duty and Commercial Transport Vehicle Mechanic Program covers the material of both entry level programs. The student receives a dual certificate upon completion. This program prepares a student to enter the apprenticeship training program for either Heavy Duty mechanics or Commercial Transport mechanics.

Length:

This program begins the last week of August and is completed the following June. A four-week unpaid practicum is included.

Content:

The program covers all aspects of inspection, basic repair and maintenance of heavy equipment including loaders, bulldozers, excavators, and many more. The program also teaches inspection and repair of transportation equipment including trucks and buses.

Hands-on:

Strong emphasis is placed on practical training with numerous “hands-on” projects. 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.

Admission Requirements

1. Educational Requirements
    1. B.C. Grade 10, but Grade 12 strongly recommended, or mature student status
    2. Satisfactory achievement on the Entry Assessment test
2. General Requirements
    1. Good health
    2. Mechanical aptitude
    3. Must have safety boots, glasses and three pairs of coveralls.

Costs

Contact TRU Admissions at (250) 371-5540. Estimated Program Costs (http://www.tru.ca/admreg/fees/programcosts.html) can be viewed on the TRU Webpage.

- Tool Tag Fee: $2/month
- Students must supply their own welding gloves and hat
- Books approximately $1000
- Student will supply and launder their own 100% cotton coveralls.

Commercial Transport Vehicle Mechanic Apprentice

Instructor

BABCOCK, LLOYD, C.I.P. H.D. Mech. T.Q. (B.C.), C.I.P. Comm. Trans. (B.C.), Voc. I.D. (Brit. Col.), Commercial Transport Mechanics Apprenticeship
Email (mailto:lbabcock@tru.ca)
Phone: (250) 828-5469
Fax: (250) 371-5911

Introduction

Commercial Transport Vehicle Mechanics Apprentices attend technical training six weeks per year for a minimum of four years.

Opportunities are unlimited for the Commercial Transport Vehicle Mechanic who has acquired journeyman status. Personal benefits as well as monetary rewards make this trade a lucrative vocation. In addition, trained people are always in great demand.

A Commercial Transport Vehicle Mechanic adjusts, repairs and/or replaces worn and damaged mechanical, hydraulic and electrical parts on trucks, truck tractors, trailers, school busses, city transit busses, and highway coaches. The mechanic must 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 failed components, disassembling and reassembling parts such as engines, transmissions, cooling systems, fuel and exhaust systems, clutches, differentials and suspensions by using the necessary hand and power tools and specialized equipment.

Indentured apprentices please call 371-5659 or (toll-free) 1-866-371-5659 to schedule your next technical training session.

For information on how to become indentured as an apprentice, call the Industry Training Authority at 1-866-660-6011, or visit their web page (http://www.itabc.ca).

TRU Offers:

Year 1: Hydraulic Systems, Steering Systems, Hydraulic And Air Brake Systems, Trailer bodies, Electrical Introduction.

Year 2: Standard Transmissions, Torque Converters, Drive Axles, Engine Support Systems, Electricity Applied, Air Conditioning and Refrigeration Introduction.

Year 3: Electricity advanced, Combustion Engine Theory, Carbureted Fuel Systems, Diesel Injection Systems.

Year 4: Rebuild Gasoline/Diesel Engines, Electronic Systems, Electronic Diesel Systems, Vehicle Retarders, Air Conditioning & Refrigeration.

Costs

Contact TRU Admissions at (250) 371-5540.

- Tool Tag Fee: $2/month
- Texts and supplies: approximately $300/year
- Student will supply and launder their own 100% cotton coveralls

Heavy Duty Mechanic Apprentice

Instructor

TAMAS, MURRAY, C.I.P. H.D. Mech. (B.C.), Heavy Duty Mechanics Apprenticeship
Email (mailto:mtamas@tru.ca)
Phone: (250) 828-5129
Fax: (250) 371-5911

Introduction

Heavy Duty Mechanic Apprentices attend technical training six weeks per year for a minimum of four years.

Opportunities are unlimited for the Heavy Duty Mechanic who has acquired journeyman status. Personal benefits as well as monetary rewards make this trade a lucrative vocation. In addition, trained people are always in great demand.

A Heavy Duty Mechanic adjusts, repairs and/or replaces worn and damaged mechanical, hydraulic and electrical parts on tractors, shovels, graders, trucks, loaders and other heavy equipment. The mechanic must 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 faulty operation of equipment, disassembling and reassembling parts of equipment such as the engine, transmission, cooling system, fuel and exhaust systems, clutch, and differential by using the necessary hand and power tools and specialized equipment.

Indentured apprentices please call 371-5659 or (toll-free) 1-866-371-5659 to schedule your next technical training session.

For information on how to become indentured as an apprentice, call the Industry Training Authority at 1-866-660-6011, or visit their web page (http://www.itabc.ca).

TRU Offers:Apprentice Years 1, 2, 3 & 4

Year 1

Hydraulics & Brakes

Year 2

Engine & Engine Support Systems

Year 3

Electricity, Carburetor Fuel Systems & Diesel Fuel Systems (Mechanical & Electronic)

Year 4

Drive Axles, Clutches, Manual & Powershift Transmissions, Air Conditioners

Costs

- Tool Tag Fee: $2/month
- The student will be responsible for texts and supplies - approximately $300
- Student will supply and launder their own 100% cotton coveralls

Heavy Duty/Automotive Mechanics (Williams Lake Campus)

See Williams Lake Campus section of the calendar.

Power Sports and Marine Equipment Technician Program

Instructor

SKELLY, MATT, Master Technician, T.Q. (Marine, Inboard/Outboard Marine & Outdoor Power Equip.), C.I.P. (B.C.), Voc. I.D. (Brit. Col.), Power Sports and Marine Equipment
Email (mailto:mskelly@tru.ca)
Phone: (250) 828-5144
Fax: (250) 371-5911

Program Description

This program prepares students for employment in the Marine Inboard/Outboard and Small Engines Repair trades.

Course Content

Training covers: general shop practices, 2 & 4 stroke engine theory and operation, repair and overhaul of small air cooled engines, outboards, inboards and snowmobiles. It will also include servicing of the “Engine Support Systems” such as fuel, electrical, lube, and cooling, plus power trains and drives, related to these products.

Special emphasis will be placed on tune-up and troubleshooting, plus the maintenance and installation of accessories used on pleasure craft and snowmobiles.

Course Length

This program usually starts the first week in August and is completed the following May. Included in this time is 2 weeks of welding training and a 2 week practicum.

Admission Requirements

1. Educational Requirements
    1. Grade 10 minimum, however Grade 12 recommended or mature student status
    2. Satisfactory achievement on the Entry Assessment test
2. General Requirements
    1. Good health
    2. Mechanical aptitude
    3. Must have safety boots, glasses and three pairs of coveralls.

Costs

Contact TRU Admissions at (250)371-5540. Estimated Program Costs (http://www.tru.ca/admreg/fees/programcosts.html) can also be viewed on the TRU Webpage.

- Student will provide and launder their own 100% cotton coveralls
- Approved safety footwear and safety glasses needed
- Students must provide their own welding gloves and hat

Partsperson: Automotive, Heavy Duty

Instructor

TORDOFF, GORDON K., T.Q. (Auto/H.D. Partsperson Specialty) (Ford, Dagenham, England), Voc. I.D. (Brit. Col.), Partsperson
Email (mailto:tordoff@tru.ca)
Phone: (250) 828-5121
Fax: (250) 371-5911

Program Description

The Partsperson course is intended to prepare people for employment in parts departments, such as those found in automotive repair shops, heavy machinery repair shops, truck repair shops, government maintenance shops, mine maintenance shops, automotive parts retailers and wholesalers, etc.

Note: The Automotive section of this program is a prerequisite to the Heavy Duty section.

Course Content

This course covers all the aspects necessary for the student to function in a warehouse or parts department situation. Topics included will be 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. Included in the program is a one-month unpaid work experience in the TRU Parts Store.

Course Length

This is a competency-based training program. The times given below are the maximum time allowed per course. Courses can be completed more quickly based on the student's previous experience and study time.

Parts Core and Parts Occupational Theory: 3 months (completed as distance education)

Parts Occupational, Parts Automotive Specialty, Work Experience: 7 months

Parts Heavy Duty: 3 months

Starting Dates

First Monday of each month, 12 months of the year, as space is available.

Admission Requirements

1. Educational Requirements
    1. Grade 10 minimum, however Grade 12 recommended
    2. Satisfactory achievement on the Entry Assessment test
2. General Requirements
    1. Mechanical aptitude
    2. Successful medical by a physician.

Costs

Contact TRU Admissions at (250)371-5540. Estimated Program Costs (http://www.tru.ca/admreg/fees/programcosts.html) can also be viewed on the TRU Webpage.

Piping Trades

Chairperson

POESCHEK, PETER, I.P. Elect. (B.C.), Dipl. Comp. Maint., I.D. (Brit. Col.), Chairperson, Construction Trades

Piping Trade Entry Program

Instructors

OLD, MARTY, A.Sc.T., Dipl. Air Cond. Eng. Tech. (S.A.I.T.), I.P., Plumb. (Man.), Cert. Gas "A" (B.C.), I.D. (Brit. Col.), Plumbing
Email (mailto:mold@tru.ca)
Phone: (250) 371-5651
Fax: (250) 371-5967

WHITE, STEPHEN, I.P., Plumb. (B.C.), Gas "B" (B.C.), I.D. (Brit. Col.), Plumbing
Email (mailto:swhite@tru.ca)
Phone: (250) 371-5652
Fax: (250) 371-5967

BARRINGER, PAT, I.P. Plumb. (B.C.), Gas "B" (B.C.), Plumbing
Email (mailto:pbarringer@tru.ca)
Phone: (250) 828-5136

Program Description

This 6-month course is an introduction to the trade of plumbing. Students gain familiarity with the hand and power tools used in the field. Hands-on use of the tools and piping materials like copper, cast iron, black iron, and plastics comprise about 50% of the course. Fixture installation is part of this as well. The other half of the course consists of pre-practical training, as well as safety, trade math, and science. The students will be actively involved in the plumbing of a house in the community, working with other trade entry students from carpentry and the electrical departments.

Commencement Date

Continuous entry/exit

Admission Requirements

Education Requirements

- Grade 12 graduation or equivalent
- Placement on the Entry Assessment Test for English at an 060 Level
- Placement on the Entry Assessment Test for Math at an 050 Level

General Requirements

- Students must supply own safety glasses and boots, coveralls, and gloves.

Costs

Contact TRU Admissions at (250)371-5540. Estimated Program Costs (http://www.tru.ca/admreg/fees/programcosts.html) can also be viewed on the TRU Webpage.

Entry Assessment Test Schedule

To arrange for the Entry Assessment Test contact the TRU Assessment Centre at (250) 828-5470.

Arrangements can be made for out-of-town applicants to write the Entry Assessment Test at an authorized testing centre in their community. For further information call (250) 828-5470.

Apprenticeship Plumbing

At TRU the 4 levels or years of the Plumbing apprenticeship training are offered, as well as the 2 levels or years of the Gas Fitting Apprenticeship. As well, 4th year students are given instruction in natural gas code and installation and have the opportunity to write and acquire a Class GBEE Gasfitters license as well as their Interprovincial Plumbing Trades Qualification.

Indentured apprentices please call 371-5659 or (toll-free) 1-866-371-5659 to schedule your next technical training session.

For information on how to become indentured as an apprentice, call the Industry Training Authority at 1-866-660-6011, or visit their web page (http://www.itabc.ca).

Welding

Chairperson

STAINTON, TIM, C.I.P. H.D. Mech. (B.C.), C.I.P. Comm. Trans. (B.C.), C.I.P. Auto Tech (B.C.), Voc. I.D. (Brit. Col.), Chairperson, Mechanical Trades and Welding
Email (mailto:tstainton@tru.ca)
Phone: (250) 828-5130
Fax: (250) 371-5911

Level "C"

Instructors

RILLE, JOE, Cert "A" Weld. (B.C.), I.P. Welding (B.C.), Voc. I.D. (Brit. Col.), T.Q. Steel Fabricating (B.C.), Welding
Email (mailto:jrille@tru.ca)
Phone: (250) 828-5103
Fax: (250) 371-5967

FRANZEN, LARRY, Cert "A" Weld. (B.C.), I.P. Welding (B.C.), T.Q. Ironworker (B.C.), C.W.B. Welding Supervisor, Welding
Email (mailto:lfranzen@tru.ca)
Phone: (250) 377-6109

Program Description

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.

The welding trade is universal in its application. Construction welding appeals to certain people due to the variety of working locations, while others prefer to remain in the industrial centres, where employment opportunities occur in practically every mechanical or metal trade.

Due to technological development, welding equipment and techniques are constantly changing; thus welders, though employed, should constantly strive to update their skills.

Note: Following successful completion of Level "C" Welding and 5 months of employment as a welder, the student can obtain the registered "C" stamp.

Admission Requirements

1. Educational Requirements
    1. Grade 10 minimum, however, Grade 12 is strongly recommended
    2. Satisfactory achievement on the Entry Assessment test
2. General Requirements
    1. Chest x-ray
    2. Successful medical
    3. Good command of English language is recommended
    4. Good vision, unimpaired hearing, respiration and good health in general are recommended.

Length of Program

Seven months

Note: Students are required to complete the Welder/Fitter program immediately upon conclusion of the Level "C" Welding program. Work experience components may be awarded to students who have demonstrated the ability to perform successfully in the industry. 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.

Dress

Students must supply own gloves, jackets, goggles, helmet and safety-toed boots.

Application

Please contact the Admissions Department for space availability. If assessment is required the student will be sent to the Welding Department.

Costs

Contact TRU Admissions at (250)371-5540. Estimated Program Costs (http://www.tru.ca/admreg/fees/programcosts.html) can also be viewed on the TRU Webpage.

Levels "B", "A", Testing and Upgrading

Instructor

WIEBE, LES, Cert. "A" Weld. (B.C.), I.P. Welding (B.C.), T.Q. Steel Fabricating (B.C.), Voc. I.D., I.I.W./I.W.S., Level III Weld. Inspector (C.W.B.), Welding
Email (mailto:lwiebe@tru.ca)
Phone: (250) 828-5105
Fax: (250) 371-5967

Program Description

Levels "B" and "A" contain training in advanced S.M.A.W. (Shielded Metal Arc Welding), G.M.A.W. (Gas Metal Arc Welding), F.C.A.W. (Flux Cored Arc Welding) and G.T.A.W. (Gas Tungsten Arc Welding) plus related knowledge in Advanced Metallurgy and Advanced Blueprint Reading.

Admission Requirements

1. Educational Requirements
    1. Must have a "C" stamp for Level B
    2. Must have a "B" stamp for Level A
2. General Requirements
    1. Good vision, unimpaired hearing, respiration and good health in general, are recommended

Length of Program

- Level “B” is four months.
- Level “A” is two months.

Application

Please contact the Admissions Department for space availability. If assessment is required the applicant will be sent to the Department.

Dress

Students must supply own boots, gloves, jackets, goggles and helmet.

Costs

Contact TRU Admissions at (250)371-5540. Estimated Program Costs (http://www.tru.ca/admreg/fees/programcosts.html) can also be viewed on the TRU Webpage.

Note: Upon successful completion of Level “B” Welding, the student must become employed as a welder and work in the trade for 8 months to obtain the registered “B” stamp. Upon successful completion of Level “A” Welding, the student must become employed as a welder and work in the trade for 10 months to obtain the registered “A” stamp.

Upgrading

Students enrolled as an upgrader may fine tune their skills in a specific area such as pipe welding with S.S. electrodes in the SMAW or GTAW processes. They may also work toward testing to specific Prequalified Welding Procedure (PWP) certification, as well as many other company or union specified procedures.

Testing

Company and government tests are offered. The instructor will advise as to the paperwork required by companies and by the Boiler Inspection Branch. The instructor will oversee the administration of the tests and arrange for inspection by the Boiler Inspector.

Students who need financial assistance may apply under the B.C. Student Financial Assistance program. Information and application forms available from the Awards Office.

Welder/Fitter

Instructors

RILLE, JOE, Cert "A" Weld. (B.C.), I.P. Welding (B.C.), Voc. I.D. (Brit. Col.), T.Q. Steel Fabricating (B.C.), Welding
Email (mailto:jrille@tru.ca)
Phone: (250) 828-5103

FRANZEN, LARRY, Cert "A" Weld. (B.C.), I.P. Welding (B.C.), T.Q. Ironworker (B.C.), C.W.B. Welding Supervisor, Welding
Email (mailto:lfranzen@tru.ca)
Phone: (250)377-6109

Program Description

This ten week program extends the welder's skills into reading blue prints and doing layout work. Graduates will be qualified to work in structural steel construction, and in metal fabrication shops in construction and maintenance industries. (space permitting)

Note: The Welder/Fitter program is also available to Level B and Level A graduates.

Course Content

The program consists of eight courses, four practical and four related theory. The ratio of practical to theoretical training is approximately 2 to 1. The primary emphasis in the program will be on developing a thorough working knowledge of reading shop drawings, layout and assembly procedures. Materials handling and proper and safe use of shop equipment will be integrated with the learning and skill development components in the fabrication projects.

Admission Requirements

1. Educational Requirements
    1. Grade 10 minimum, however grade 12 is preferred
    2. Successful completion of B.C. Level “C” Welding program or its equivalent
2. General Requirements
    1. Chest x-ray
    2. Successful medical
    3. Good command of English language is recommended
    4. Good vision, unimpaired hearing, respiration and good health in general are recommended.

Length of Program

Ten weeks

Dress

Students must supply own gloves, jackets, goggles, helmet and safety-toed boots.

Application

Please contact the Admissions Department for space availability. If assessment is required the student will be sent to the Welding Department.

Costs

Contact TRU Admissions at (250) 371-5540. Estimated Program Costs (http://www.tru.ca/admreg/fees/programcosts.html) can also be viewed on the TRU Webpage.

Boots, welding gloves, leather jacket, welding cap, helmet and goggles - $200.

Apprenticeship Welding

At TRU we offer training in years 1, 2, 3 and 4 of apprenticeship Welding. Students are required to purchase the government modules and any TRU developed packages for the Apprenticeship Year in which they are registered.

Indentured apprentices please call 371-5659 or (toll-free) 1-866-371-5659 to schedule your next technical training session.

For information on how to become indentured as an apprentice, call the Industry Training Authority at 1-866-660-6011, or visit their web page (http://www.itabc.ca) .

Developmental Programs

Program Governance

Dean, Faculty of Student Development
MITCHELL, KATHLYN, B.Ed. (Brit. Col.), M.Ed. (S.F.U.)

General

The Faculty of Student Development is committed to coordinated, flexible, and responsive approaches to preparing students for and supporting them in the successful and satisfying completion of their post secondary study and their transition to the workplace. Student Development supports students throughout the TRU region and wherever TRU provides education and training.

The following programs provide opportunity for students to complete basic requirements for further study, and/or successful participation in the workforce and society in general.

Part-Time Developmental Programs

The following courses address a variety of topics of interest and importance to adult students with a disability. In all programs, the individual needs of each student are the first priority. These programs are designed to encourage personal growth, normalization of behaviour, improved communication and participation in university and community life. A sample of the following courses is offered each year on a part-time basis.

Money Skills I and II

The course is designed to address the individual needs of the student in the area of Money Skills and/or Banking/Budgeting Skills. Students will have the opportunity of working in either group. A wide range of topics in each area will be covered. Instruction will involve practical application, where possible, to prepare the individual for **more independent living**. Assignments to be done at home will be part of the course.

For students who desire to improve skills with money. Students should have a beginning knowledge of money to participate in the course. Students may be asked for a nominal fee to cover field work.

Life Skills Reading I

This course is designed for students who wish to improve their current reading skills. Vocabularies will be developed from a number of life skill areas such as recipe reading, newspapers or directions on household products. The course includes both in-class assignments and some homework. Students may be asked for a nominal fee to cover field work.

Life Skills Reading II

This course is designed for students who wish to improve their current reading skills. Vocabularies will be developed from a number of life skill areas, as well as areas of individual student interest, within the context of Life Long learning. Our curriculum encourages independent thinking, problem solving, and self awareness.

Computer Awareness

This course will help the students become more at ease with a computer. Students will gain a basic knowledge of the computer and its uses in our lives. Students will work with Microsoft Word, processing program and Microsoft Publisher program. Students will learn to key, edit, format, print and save material. They will also learn to search for information by being introduced to the Internet. Students will also have the opportunity to communicate by use of web mail.

This program is relevant for students with a disability who wish to become more familiar and more comfortable with computers.

General Educational Development (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. 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.

Please contact Lee Emery at (250) 371-5928 for further information on special GED preparation courses. For fees and testing dates please refer to the Assessment Centre section of this Calendar.

Career Education Department

Chairperson

READ, SHAWN, B.A. (St. Thomas), C.P.A. (Dalhousie), Chairperson, Career Education, Coordinator, Student Employment Centre

Career Education Department

The Career Education Department (CED) assists students with co-op placements, career decision making and job search issues. The Department combines the areas of Co-operative Education, Education and Skills Training and the Student Employment Centre.

Whether you are at the beginning stages of career exploration, commencing a course of study that offers a Co-operative Education component, seeking additional resources to support your employment search, looking for a part-time job or preparing for an interview, the Career Education Department can assist you. In addition to co-op positions, CED posts positions for full-time, part-time, casual, volunteer, summer and work-study.

Co-operative Education

BEPPLE, NANCY, B.Sc. (U.Vic.), I.D. (V.C.C.), M.Sc. (Brit. Col.), Cert. Ed. (U.Vic.), Coordinator, Co-operative Education
HEBDEN, CAROLE, B.Sc., M.Ed. (Brit. Col.), Cert. Ed. (S.F.U.), Coordinator, Co-operative Education
ILES, LAWRENCE A., B.A. (Carleton), B.Ed. (Brit. Col.), Coordinator, Co-operative Education
OKE, MARION, B.A. (Toronto), B.Ed. (Queen's), Coordinator, Co-operative Education

Co-operative Education is a multi-year option that combines academic studies with periods of paid work experience opportunities. (See the appropriate page of the calendar to review specific programs with the co-op option).

TRU offers co-op options in the following programs:

- Bachelor of Arts
- Bachelor of Business Administration
- Bachelor of Natural Resource Science
- Bachelor of Science
- Bachelor of Computing Science
- Bachelor of Tourism Management
- Computer Systems: Operations and Management
- Computer Automated Systems Technician
- Engineering Design and Drafting Technology Program

Education and Skills Training Certificate Program (ESTR)

CEDERLOF, CHRISTINA, B.B.A. (S.F.U.), I.D. (Brit. Col.), M.A. (Royal Roads), Instructor, Education & Skills Training
MOUNCEY, BRENDA, Cert. Hort. (U.C.C.), I.D. (V.C.C.), Cert. E.S.T., Work Experience Coordinator, Education & Skills Training
PETERS, LOIS D., B.A. (Waterloo), Cert. Ed. (S.F.U.), M.Ed. (U.Vic.), Instructor, Education & Skills Training

Program Description

The ESTR program is a full-time, 10 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.

ESTR Admission Requirement

General Requirements

- Applicants must be 18 years of age or before October 1 of the year of entry
- Applicant must want to be in the ESTR program
- Must be able to follow oral instructions
- Must be able to complete work without direct supervision
- Must arrange and manage own transportation to and from TRU and work placements
- Must have an identified disability that impairs learning (documentation is required)
- One reference
- Some work experience
- Participate in a program readiness interview

Skills Training Admission Requirements (Kitchen, Automotive, Retail)

40 hours of documented volunteer or work experience in their chosen field. Successful assessment of reading vocabulary and comprehension at a grade 4 level.

Retail Admission Requirement

Successful assessment of money counting ability up to $50.

Attendance Policy

See Student Attendance – Policy ED(24) 3-1 as referenced in this calendar.

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.

Costs

See Fees/Payment of Fees (Step 3) section of this calendar for more information regarding tuition. Some Financial Aid may be available.

Students will take a complement of the following courses based on assessment and their choice of electives:

Program Outline

Core Courses

ESTR 001 Workplace Communications
ESTR 002 Workplace Employability
ESTR 003 Computer Literacy I
ESTR 004 Computer Literacy II
ESTR 006 Health Safety
ESTR 007 Job Search and Maintenance

Skill Training Courses

ESTR 008 Workplace English and Written Communications
ESTR 009 Workplace Mathematics
ESTR 037 Advanced Topics in Workplace Success
ESTR 038 Advanced Topics in Job Selection and Job Search
ESTR 011 Practical Experience II
ESTR 021 Kitchen Theory I
ESTR 031 Kitchen Theory II
ESTR 022 Kitchen Experience I
ESTR 032 Kitchen Experience II

ESTR 023 Automotive Theory I
ESTR 033 Automotive Theory II
ESTR 024 Automotive Experience I
ESTR 034 Automotive Experience II
ESTR 025 Retail Theory I
ESTR 035 Retail Theory II
ESTR 026 Retail Experience I
ESTR 036 Retail Experience II

Career Stream Courses

ESTR 012 Self and Community Awareness
ESTR 013 Workplace Academics I
ESTR 014 Workplace Academic II
ESTR 015 Career Awareness
ESTR 016 Introduction to the Workplace Practical Experience
ESTR 010 Practical Experience III

Student Employment Centre (SEC)

READ, SHAWN, B.A. (St. Thomas), C.P.A. (Dalhousie), Chairperson, Career Education, Coordinator, Student Employment Centre
FORSEILLE, SUSAN, B.A. (S.F.U.), Coordinator, Student Employment Centre

Student Employment Centre Description

The TRU Student Employment Centre (SEC) is dedicated to supporting students and alumni in their search for casual, part-time, summer and full-time employment. The SEC will assist students with their career development needs through career coaching, one-on-one consultation, career seminars and on-line services.

Through career education the SEC will work with students to further develop and understand their essential employability skills, interests and strengths. The SEC will also assist in the development of student's career goals, resume and cover letters, interview skills, networking, portfolios and daily job posting through our website (http://www.tru.ca/stuemploy/).

Through the year the SEC will also provide students with an opportunity to meet employers on campus through Employer Information/Recruitment Sessions and Career/Job Fairs.

For more information on these services or to make an appointment, please contact:

TRU Student Employment Services
Room OM1712 Old Main Building
Tel: (250) 371-5627
Fax: (250) 828-5014
Website (http://www.tru.ca/stuemploy/)

University Preparation Department

Chairperson

EMERY, LEE, B.Sc. (Illinois), Cert. Ed. (S.F.U.), Chairperson, University Prep.

The University Preparation Department offers 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 B.C. 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.

Tuition and other related fees vary in amount depending on the student's level of secondary school completed.

Please see fees (on page 8) section of this calendar for details.

University Prep Courses

Intermediate Level (Grade 10 Equivalency)	
EDCP 040	Education and Career Preparation
ENGL 040	Basic Language Skills
COMP 040	Basic Introduction to Computers
MATH 040	Basic Math Skills
SINC 040	Introduction to Science
Advanced Level (Grade 11 Equivalency)	
BIOL 050	General Biology
CHEM 050	Foundations of Chemistry I
COMP 050	Introduction to Microcomputers
ENGL 050	Developing Writing Skills
MATH 050	Introduction to Algebra
MATH 051	Algebra 2
PHYS 050	Introduction to Physics
PSYC 050	Introduction to Psychology
SINC 050	Foundations of Science
STSS 050	Student Success
Provincial Level (Grade 12 Equivalency)	
BIOL 060	Human Biology
BIOL 062	Introduction to Life Sciences
BBUS 060	Introduction to Entrepreneurship
BBUS 061	Introduction to Business Studies
CHEM 060	Foundations of Chemistry 2
COMP 060	Introduction to Programming
COMP 065	Introduction to Desktop and WEB publishing
ENGL 060	Literature and Composition
MATH 060	Pre-Calculus I
MATH 061	Pre-Calculus II
PHYS 060	Introduction to Physics II
SOSC 060	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.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Certificate Programs in Adult Basic Education - University Prep

Fundamentals Certificate Program

This program offers courses in Basic Math 030 and Basic English 030. The program is offered in the Fall and Winter semesters. Applicants must be able to commit to full-time attendance, i.e., 4 hours per day, 5 days per week.

Admission

General Requirements

1. 17 years of age and one year out of school
2. Canadian citizen, landed immigrant or student permit
3. Counselling interview recommended

Students earning the Fundamentals Certificate will have completed a course of study in fundamental mathematics, communication and reading skills. Two courses are required for the Certificate: Math and English. This program is free.

Courses

MATH 030	Fundamental Math
ENGL 030	Fundamentals of English

Part time study can also be arranged. For further information contact the University Preparation Department at (250) 828-5290 or Marvyn Fitzpatrick at (250) 828-5295.

Adult Basic Education Intermediate Certificate

This certificate represents completion of a grade 10 equivalency. Four courses are required:

- ENGL 040
- MATH 040
- At least two of the following:
  - COMP 040
  - EDCP 040
  - SINC 040

University Prep Intermediate courses are offered in Fall, Winter and Summer semesters.

For further information call:

University Preparation Department (250) 828-5290
Jim Bray (250) 828-5284

The BC Adult Graduation Diploma

"The Adult Dogwood"

This Diploma represents completion of the adult secondary graduation program. Students must complete five courses to be eligible for the Diploma.

- ENGL 060 or higher
- MATH 050 or higher
- Three additional courses at the Provincial Level or higher

  or

  PSYC 050 and **two** Provincial Level courses or higher

Note: To be eligible for the Adult Graduation Diploma, a person must be 19 years or older. An eighteen-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.

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 Kim Tamblyn at (250) 376-7518 or the University Preparation Department at (250) 828-5290 for further information.

North Shore Campus (Kamloops)

University Preparation courses are also offered in North Kamloops at 750 Cottonwood Avenue. Courses currently offered include English 060, Psychology 050 and Math 050.

University Prep Centre (UPC) Kamloops

The Courses in the University Preparation Centre are designed for students who require greater flexibility in their schedules than structured courses offer. Both English and Math courses are offered during the day and evening in the centre.

Students are required to schedule a minimum of five hours per week per course in the centre. The semesters in the centre are extended to fifteen weeks. Intakes occur in September, October, November, and January.

Counselling Department

Chairperson

KNOWLES, DOUG, B.A. (U.C.C.), M.E.C.A., Chairperson, Counselling and M.E.C.A

Men's Education and Career Alternatives (MECA)

This course is designed for men wishing to establish career goals and to gain a better understanding and awareness of who they are. Extensive inventories of personal abilities, talents, learning styles, communication styles, personal interests, academic ability and aptitudes are experienced. These are weighed against potential and future academic/career exploration and training.

Students participate in a series of holistic, experiential modules using a self-reflective, cooperative learning model. Personal skills are taught, focusing specifically on effective communication, expressing emotions – including anger, human relationships – inter and intra-personal, resolving conflict, reducing stress, enhancing balance in one's life, effective time management, establishing goals and plans of action to complete goals, building self-esteem and confidence, developing critical thinking skills, developing student success skills, enhancing parenting skills, developing healthy self-management strategies and skills.

This program is about personal change and requires strong commitment, both in attendance and in the willingness to work towards regeneration, personal growth, and stated goals. The objective is to have a life-changing experience leading to meaningful employment.

The program runs once in the Fall Session (September) and once in the Winter Session (January).

For further information contact:

Doug Knowles

(250) 371-5538

Career Orientation and Personal Empowerment (COPE)

This course is designed for women wishing to establish career goals and to gain a better understanding and awareness of who they are. Extensive inventories of personal abilities, talents, learning styles, communication styles, personal interests, academic ability and aptitudes are experienced. These are weighed against potential and future academic/career exploration and training.

Students participate in a series of holistic, experiential modules using a self-reflective, cooperative learning model. Personal skills are taught, focusing specifically on effective communication, expressing emotions – including anger, human relationships – inter and intra-personal, resolving conflict, reducing stress, enhancing balance in one's life, effective time management, establishing goals and plans of action to complete goals, building self-esteem and confidence, developing critical thinking skills, developing student success skills, enhancing parenting skills, developing healthy self-management strategies and skills.

This program is about personal change and requires strong commitment, both in attendance and in the willingness to work towards regeneration, personal growth, and stated goals. The objective is to have a life-changing experience leading to meaningful employment.

The program runs once in the Fall Session (September) and once in the Winter Session (January).

For further information contact:
Iris Rich-McQuay
(250) 371-5533

Foundations for Success

The Foundations for Success Program offers a variety of one-credit courses to be used as elective credit in TRU's diplomas and degrees. These student success courses assist students in building and sustaining effective learning strategies and practices. Existing courses are listed below with additional courses to be developed over the coming year:

STSS 103	Student Success and Study Skills
STSS 104	Student Success and Wellness
STSS 105	Student Success and Communication

EDCP 102	Occupational Work Experience
EDCP 103	Self-assessment and Self-awareness
EDCP 203	Career Success Strategies
EDCP 303	Graduate Job Search Skills

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

English as a Second Language Department

Chairperson

THOMSON, BRUCE, B.A. (Brit. Col.), Cert. Ed. (S.F.U.), M.A.T. (S.I.T.), Chairperson, E.S.L.

ESAL Co-ordinator

KIPNIS, WENDY, B.A. (Hons.), B.Ed. (Memorial), L.L.B. (Ottawa), T.E.S.L. Cert. (V.C.C.), E.S.L.

ESAL Contracts Co-ordinator

HUBER, DEBORAH, B.A. (Brit. Col.), M.Ed. (S.F.U.), R.S.A. (Cambridge), E.S.L.

University Prep English as a Second Language (ESAL)

This program is designed to provide specific language training appropriate for English as a 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 are required to take a placement test (Accuplacer) to determine appropriate placement. The Accuplacer is given several times a year; contact the Assessment Centre for dates – (250) 828-5470.

Students for whom English is not their first language are required to take appropriate ESAL courses (excepting those who satisfy prerequisites for ENGL 110).

ESAL is available in Kamloops only.

Sequence of ESAL Courses

CORE Courses

Level 1	Level 2	Level 3	Level 4	Level 5
ESAL 012 Basic Grammar	ESAL 022 Pre-Intermediate Grammar	ESAL 032 Intermediate Grammar	ESAL 042 Advanced Grammar	
ESAL 013 Basic Language Skills	ESAL 023 Pre-Intermediate Language Skills	ESAL 034 Intermediate Grammar Study		
ESAL 015 Basic Oral Skills	ESAL 025 Pre-Intermediate Oral Skills	ESAL 035 Intermediate Oral Communication	ESAL 045 Advanced Oral Communication	
ESAL 017 Basic Reading Skills	ESAL 027 Pre-Intermediate Reading Skills	ESAL 037 Intermediate Reading & Study Skills	ESAL 047 Advanced Reading & Study Skills	ESAL 057 Academic Reading Skills
ESAL 018 Basic Writing Skills	ESAL 028 Pre-Intermediate Writing Skills	ESAL 038 Intermediate Composition	ESAL 048 Advanced Composition	ESAL 058 Academic Writing

Elective Courses

ESAL 082 Intermediate Listening	ESAL 084 Success in Canadian Academic Culture	ESAL 088 Intermediate Pronunciation		

CORE Courses

Level 1	Level 2	Level 3	Level 4	Level 5
ESAL 092 Advanced Listening Skills	ESAL 094 Preparation for the TOEFL	ESAL 096 Vocabulary for Academic English	ESAL 098 Advanced Pronunciation	ESAL 099 Special Topics in Language Study

ESAL Electives

See Course Descriptions (on page 221) section in this calendar for details.

Program Regulations

Students whose test results put them at:

Level 1: are considered full time ESAL students. On successful completion, students proceed to Level 2.

Level 2: are considered full time ESAL students. The curriculum consists of one semester of full time ESAL study. On successful completion, students proceed to Level 3.

Level 3: are considered full-time ESAL students. The curriculum consists of one semester of full-time ESAL study. On successful completion, students will proceed to Level 4.

Level 4: consists of four core ESAL courses. Students may take one ESAL elective or academic course.

Level 5: consists of two core ESAL courses. Students may take three academic courses or ESAL electives (up to 9 credits).

No core ESAL courses may be deferred without written permission of the ESAL chairperson.

Note:

1. For the purposes of these regulations, a student must have completely passed one ESAL 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 057 and 058 are prerequisite courses for English 110 and English 111 as well as any courses requiring English 12.

The ESAL Program, comprised of Core and Elective course offerings, grants the following certificates:

ESAL Foundations	Satisfactory Completion of: ESAL 022, 023, 025, 027, 028 *
ESAL Intermediate	Satisfactory Completion of: ESAL 032, 034, 035, 037, 038 *
ESAL Academic Preparation	Satisfactory Completion of: ESAL 042, 045, 047, 048 and 1 ESAL elective course *
ESAL Advanced Academic Preparation	Satisfactory Completion of: ESAL 058, 057, 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 ESAL and content area Certificates)

For all "Bridge-Out" Certificates, students must satisfy any and all course prerequisites. See an Academic Advisor for details.

English as a Second or Additional Language with an Introduction to Business

Requirements:

Satisfactory completion of:

ESAL Level 4 (ESAL 042, 045, 047 and 048)	12 credits
One ESAL elective	3 credits
6 credits in any SOBE courses (BBUS, BUEC, ECON)	6 credits
	21 credits

English as a Second or Additional Language with an Introduction to Arts

Requirements:

Satisfactory completion of:

ESAL Level 4 (ESAL 042, 045, 047 and 048)	12 credits
One ESAL elective	3 credits
6 credits in any Faculty of Arts courses	6 credits
	21 credits

English as a Second or Additional Language with an Introduction to Fine Arts

Requirements:

Satisfactory completion of:

ESAL Level 4 (ESAL 042, 045, 047 and 048)	12 credits
One ESAL elective	3 credits
6 credits in any Fine Arts courses	6 credits
	21 credits

English as a Second or Additional Language with an Introduction to Sciences

Requirements:

Satisfactory completion of:

ESAL Level 4 (ESAL 042, 045, 047 and 048)	12 credits
One ESAL elective	3 credits
6 credits in any Science courses	6 credits
	21 credits

Williams Lake Campus

Address:

1250 Western Avenue
Williams Lake, BC V2G 1H7
Phone: (250) 392-8000
Toll Free: 1-800-663-4936
Fax: (250) 392-4984

Registrar's Office:

Phone: (250) 392-8020
E-Mail (mailto:admisswl@tru.ca)
Registrar's Office Hours: Monday - Friday, 9:00 a.m. - 4:00 p.m.

Programs Available at the Williams Lake Campus

Consult with the Registrar's Office, or the Williams Lake pages of the TRU website (http://www.tru.ca/wlake) for more detailed information on the programs offered at the Williams Lake Campus.

Academic Programs, including:

- Applied Business Technology (Business Office Assistant with Bookkeeping Applications)
- Continuing Studies Courses
- Culinary Arts - Level 1 (Professional Cook Training)
- Electrical Trade Entry Program
- Home Support/Resident Care Attendant
- Human Service Programs, Human Service Diploma
- Community and School Support Certificate
- Bachelor of Science in Nursing Program (Year 1 & 2)
- Licensed Practical Nursing Program
- Mechanics (Automotive and Heavy Duty)
- Residential Construction
- University and Career Preparation
  - Fundamentals - (Grade 1-9 equivalency) (Tuition-free)
  - University and Career Preparation - (Grade 10-12 equivalency) (Tuition-Free)
  - Community Aboriginal Access Program
  - Work skills Training Program
  - Partner Assisted Learning (PAL) (Tuition-free)
- Welding Levels C, B, and A, Welder/Fitter, upgrades, testers

Interested students should apply early. Contact the Registrar's Office for more information.

Student Services

Academic Advising

Academic Advisors serve students by providing current information on course and program prerequisites for university and career preparation, university, career and technology programs; assisting students to meet their educational goals, and assisting first and second year academic students in program planning, course selection, timetabling and registration.

Telephone advising is done through the Kamloops Campus. Please call (250) 828-5075 or email (mailto:advising@tru.ca) with your questions.

Part Time Advising may soon be available at the Williams Lake campus. Please call (250) 392-8000 to check.

Counselling

LAURIENTE, KATHY, MA, RCC

Counselling deals with personal issues that may affect a student's academic performance and/or well being. Visits to our Counsellor 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 counseling 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. Kathy can be contacted at (250) 392-8041 or by email (mailto:klauriente@tru.ca).

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

RENNIE, ELIZABETH, B.A. (Calg.), M.L.S. (Syracuse), Campus Librarian (Wm. Lk.)
MOON, SUSAN Resource Services Clerk

A branch of the University Library, the Williams Lake Library collection consists of over 10,000 items, including 500 volumes of periodicals and 800 audio/visual items. The library also has numerous electronic resources, including access to several full-text databases. As well as this collection, students and faculty have access to TRU Kamloops Library holdings, and items not available locally can be obtained through the interlibrary loan network.

The library serves as a welcoming location for research, study, reading and testing.

TRU Williams Lake students must obtain a student card from the Bookstore. This card serves as the TRU Library card and must be presented every time library materials are borrowed.

The library serves as a welcoming location for research, study, reading and testing. The library also serves as the Williams Lake Campus Assessment Centre. Phone: (250) 392-8030

Services for Aboriginal Students

JOHNSON, RHONDA, B.A., Coordinator

Services for Aboriginal Students are accountable for providing support services and assisting Aboriginal students in attaining educational success. The Coordinator is responsible for providing Aboriginal students with general information and tutoring to assist in the student's success and acts as a liaison with bands, community and local agencies.

Appointments are available or available by drop in. Call: 1-800-663-4936 or 250-392-8009. Email (mailto:ralphonse@tru.ca)

Other Services

Bookstore/Reception

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, stationary 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 are always willing to help students with anything we can. Bookies is responsible for providing required and recommended textbooks at the lowest possible prices.

Bookstore hours (subject to change) throughout the academic year are:

Monday - Friday	8:30 am - 4:00 pm

By August, many textbooks required for your course work will be available. Virtually all textbooks can be returned for a full refund in the first two weeks of the each semester, providing you have the original receipt and the textbook is unmarked. There will be a 15% restocking fee for returns during the third week and any books purchased after this must be returned within ten working days of the date of purchase.

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 other books according to the price set by wholesalers.)

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 (http://www.bookies.tru.ca).

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 Programs/Associate Degrees

The Williams Lake Campus offers transfer programs for the following degree programs.

- Bachelor of Arts
- Bachelor of Journalism
- Bachelor of Natural Resource Science
- Bachelor of Science
- Bachelor of Science in Nursing (New student intake in even years)
- Bachelor of Social Work

The Williams Lake Campus offers transfer to Law, as well as, some transfer options to some health sciences programs:

- Chiropractic
- Dentistry
- Medicine
- Naturopathic Medicine
- Optometry
- Pharmaceutical Sciences
- Rehabilitation Sciences
- 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 which they hope to transfer to.

In addition, students should refer to the University Transfer section of this Calendar and consult an Academic Advisor.

Second year transfer is available for the following degrees. Students should discuss their second year program with an Academic Advisor.

- Bachelor of Arts
- Bachelor of Education
- Bachelor of Journalism
- Bachelor of Social Work

Associate degrees/diplomas are offered at the Williams Lake Campus in the following areas:

- Associate of Arts Degree

For more information, see the TRU Williams Lake website (http://www.tru.ca/wlake), or consult with the Registrar's Office.

As our class sizes are much smaller than those at a larger university, we are able to offer you more personalized instruction thereby making the transition from secondary to post-secondary studies easier for you.

The cost of living in Williams Lake is lower than many other larger communities, as well.

Trades and Technology Programs

Carpentry – Trade Entry Program

- Programs have been offered every second year, with the next offering anticipated to be early 2010.
- Students can apply a year before the program begins.

Chairperson

POESCHEK, PETER, I.P. Elect. (B.C.), Dipl. Comp. Maint., I.D. (Brit. Col.), Chairperson, Construction Trades

Residential Construction

This 9 month course 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. Students spend approximately 70% of their time building various projects of which the major project is a house built in the community.

Graduates can receive credit for first year apprenticeship technical training. For admission requirements and more detailed information, please refer to Carpentry (on page 165) section of this calendar.

Mechanical Trades Certificate Programs

Chairperson

STAINTON, TIM, C.I.P. H.D. Mech. (B.C.), C.I.P. Comm. Trans. (B.C.), C.I.P. Auto Tech (B.C.), Voc. I.D. (Brit. Col.), Chairperson, Mechanical Trades and Welding

Faculty

SHIELDS, MIKE, Voc. I.D. (Brit.Col.), C.I.P. H.D. Mech. (B.C.), C.I.P. Automotive Tech. (B.C.), H.D. Mechanics/Automotive Speciality (Wm. Lk.)

Email (mailto:mshields@tru.ca)

Phone: (250) 392-8120; Fax: (250) 398-2812

Program Description

Entry level training in Automotive and Heavy Duty Mechanics is available at the Williams Lake Campus, commencing each September.

This is a combined program in Williams Lake operating under one instructor, providing the student with the option of choosing one of these specialties.

Automotive Service Technician

This program prepares students for employment as apprentices in the Automotive Mechanical Repair trade. The employment situation is normally indoors and may be anywhere from a small repair shop or service station doing general mechanical repairs to the complex service department of a large automobile dealership. Program graduates may receive credit for level one apprenticeship training.

Course Content

General shop practice, automotive fundamentals, engines - air and fluid-cooled, basic test equipment, electrical systems, running gear, clutches, transmissions, anti-spin and conventional rear axles, steering systems and braking systems, applied mathematics and safety education will be covered.

For admission requirements and more detailed information, please refer to the Mechanical Trades (on page 167) section of this calendar.

Heavy Duty Mechanics

This program is equivalent to ELTT (Entry Level Trades Training) of the Heavy Duty Apprenticeship program and is a prerequisite for an apprenticeship. It prepares students for employment as apprentices in the heavy duty repair trades.

Course Content

Training covers inspection, repair and maintenance on equipment such as trucks, bulldozers, loaders and skidders of both the wheeled and tracked variety.

For admission requirements and more detailed information, please refer to the Mechanical Trades (on page 167) section of this calendar.

Welding Programs: Levels “A”, “B,” & “C”, Welder/Fitter

Chairperson

STAINTON, TIM, C.I.P. H.D. Mech. (B.C.), C.I.P. Comm. Trans. (B.C.), C.I.P. Auto Tech (B.C.), Voc. I.D. (Brit. Col.), Chairperson, Mechanical Trades and Welding

Faculty

JENKINS, BRUCE, Cert. "A" Weld. (B.C.), I.P. (B.C.), Welding (Wm. Lk.)

This program is a combined program of Level "C" and Welder/Fitter to make the most of both programs and eliminate duplication of material. Each September students commence the Level "C" program, and go on to complete the Welder/Fitter program in the spring.

Levels "B" & "A" will be offered in Williams Lake between September and April, if student numbers permit.

Program Description

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 (on page 171) section of this calendar.

Career Programs

Applied Business Technology Certificate

Faculty

COOK, KERRY, B.A. (Brit. Col.), Applied Business Technology (Wm. Lk.)

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.

Educational Requirements

1. B.C. Grade 11 or equivalent (Grade 12 preferred) or Mature Student status
2. Satisfactory achievement on the Entry Assessment Tests.

   or B standing in English 050

   or 67% on the combined English 12 and Government Exam (within the last 5 years)
3. Minimum keyboarding speed of 25 net words per minute

General Requirements

1. Official transcripts of previous secondary and post-secondary educational record
2. Proof of Canadian Citizenship or Landed Immigrant status
3. Submission of a completed Applied Business Technology questionnaire
4. Successful Interview with program coordinator.

Contact the Registrar’s Office or Applied Business Technology Department in Williams Lake for more information.

Culinary Arts/Professional Cook Training

Chairperson

JOHNSTONE, KIMBERLY, Trade Cert. (Can.), I.D. (V.C.C.), Chairperson, Culinary Arts

For information regarding Culinary Arts Programs, please call Kimberly Johnstone at (250) 828-5356.

Program Description

This program is designed to fill the growing need for professionally trained cooks and chefs. Quality employment is available across a wide range of possibilities, from internationally recognized restaurants, hotels and clubs, through cruise ships, resorts, family restaurants, and institutions.

The complete program is 13 months long. Students can complete Level 1 at the Williams Lake Campus and have the option of transferring to Kamloops for the final Level 2 and 3. This program is designed to cover all the sections of a professional kitchen from the preparation of hors d'oeuvres to the creation of exquisite desserts.

Individuals seeking employment in a professional kitchen must have creative and artistic abilities to meet the requirements of an ever increasing demanding public. They must be alert and quick-thinking and be able to work under pressure in order to effectively prepare a variety of interesting food for people who are looking for a greater variety of menu items. For admission requirements and more detailed information, please refer to the Culinary Arts (on page 130) section of this calendar.

Home Support/Resident Attendant Certificate

Coordinator

MacDONALD, ANNE, R.N., B.S.N. (U.C.C.), Gerontology Nurs. Cert., Home Support Resident Care Attendant

Basic HS/RCA Program

This 24-week program is designed to prepare the graduate to function under supervision as a Home Support/Resident Care Attendant. 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 the Home Support/Resident Care Attendant Certificate (on page 143) section of this calendar.

Human Service Programs

Chairperson

SEIBEL, DUANE, Dipl. CYC (Grant MacEwan), B.A., M.A. (U.Vic.), Lecturer, Chairperson, Human Service Programs

Coordinator

GODDARD, JAY, B.A. (Brit. Col.), M.Ed. (U.N.B.C.), Human Service Programs (Wm. Lk.)

The Human Service Programs are offered in the School of Social Work and Human Service. Both the Human Services Diploma and the Community and School Support Certificate will be offered at the Williams Lake campus in the 08/09 academic year.

For admission requirements and more detailed information, please contact Jay Goddard at (250) 392 8164, or by email (mailto:jgoddard@tru.ca) . Students may also refer to the Human Service Programs (on page 145) section of this calendar.

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.

Students may also contact Jay Goddard at (250) 392 8164, or by email (mailto:jgoddard@tru.ca). or our Academic Advisor for assistance in determining transferability.

Developmental Programs

Chairperson

EMERY, LEE, B.Sc. (Illinois), Cert. Ed. (S.F.U.), Chairperson, University Prep.

Programs

Programs and courses offered by the department include:

- Fundamental Math and English (Grade 1-9 equivalency) (Tuition-free)
- University Preparation (Grade 10 to 12 equivalent) (Tuition-free)
- Community Aboriginal Access Program
- Career Education
  - Workskills Training Program (Adult Special Education)
  - Partner Assisted Learning (PAL) (Tuition-free)

Fundamentals (Grades 1-9 Equivalency in English and Math)

Program Description

This program offers instruction for adults who need to improve basic reading, writing or number skills.

Admission Requirements

An interview with instructor. For an appointment, please call the Registrar's Office at (250) 392-8020.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

University Preparation (Grades 10-12 Equivalency)

Faculty

SALVATORE, JOHN, B.Eng. (McMaster) I.D. (B.C.), University Preparation
SIMON, KAREN, B.Ed. (Brit. Col.), University Preparation
TAYLOR, SHARON, B.A. (U.Vic.), I.D. (B.C.), University Preparation

Admission Requirements

University preparation courses are designed for adults with upgrading needs ranging from the completion of prerequisites to the completion of high school. Students wishing to take courses to complete Grade 12 are encouraged to see our Academic Advisor.

General Requirements

1. At least 17 years of age and 1 year out of school.
2. Canadian citizen, landed immigrant or student permit.

Course Descriptions

See the Course Descriptions (on page 191) section of this calendar for detailed course information.

Community Aboriginal Access Program

Faculty

Note: This program is offered in various communities in the Cariboo-Chilcotin.

Program Description

The Community Aboriginal Access program provides adult Aboriginal learners with English and Math courses (from the fundamental level through to Grade 12 equivalency), as well as other courses.

Career Education

Chairperson

READ, SHAWN, B.A. (St. Thomas), C.P.A. (Dalhousie), Chairperson, Career Education, Coordinator, Student Employment Centre

Workskills Training Program

Faculty

STODDARD, ALICE, B.S.W. (Hons.) (U.Vic.), M.Ed. (U.N.B.C.), University Preparation

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 Alice Stoddard at (250) 392-8168

Partner Assisted Learning (PAL)

Program Description

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. Contact Shirley-Pat Gale, PAL Coordinator, at (250) 392-8130 for more information. PAL is a joint project of TRU, Cariboo Chilcotin Partners for Literacy, and the Ministry of Advanced Education.

TRU Continuing Studies

Staff

DEMARE, DEBBIE , Continuing Studies Consultant
BOWSER, JULIE, I.D. (B.C.), Continuing Studies Coordinator
TURATUS, BETTY, First Aid Coordinator
HOLLETT, KELSEY, Secretary

A wide variety of courses are offered for evening and weekend participation. Program brochures are published throughout the year. A supply of brochures are also available at the Continuing Studies 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.

Applied Computing Certificate Program

Comprehensive Computer Skills for Work! This program of courses will provide you with the skills to work efficiently and effectively in a computerized environment. Whether you are an employee, employer, self-employed, or work at home or in a remote office, strong computer skills are essential to give you an edge over your competition. Whatever your field of endeavour, computer literacy is now a given - the advantage you need to be successful in your world of work. This is an intense program, and you should be prepared to commit time and effort to ensure your success.

Student loans may be available to eligible students

Business/Office Skills

Courses that may be offered include:

- Bookkeeping, An Introduction
- Cashier Training
- Business Writing That Works
- Project Management Tools and Techniques
- Meeting Procedures
- Minute Taking
- Proposal Writing
- Entry Level Hospitality

Computer Courses

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, Windows XP
- Word Processing - Word 2007
- Spreadsheets - Excel 2007
- Database - Access 2007

Electives:

- Simply Accounting for Windows
- Professional Presentations using PowerPoint
- Corel Draw
- Desktop Publishing
- Quickbooks

Other computer courses include:

- Computer Confidence
- Introduction to the Internet
- Internet and the Marketing Webpage
- Using a Local Area Network
- Nifty-Fifties Computer Basics - Level 1 & 2
- Nifty Fifties Digital Imaging
- Nifty Fifties Spreadsheets
- Nifty-Fifties Intro to the Internet
- Nifty-Fifties Word Processing
- Web Page Design
- Mini-Micro Computing Upgrading Workshops
- Introduction to Digital Imaging
- Intermediate Word
- Intermediate Excel
- Intermediate Access
- Intermediate Windows XP
- Keyboarding to 25 wpm

For more information on computer courses, call Julie Bowser at (250) 392-8177.

Contract Training

Continuing Studies 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. Continuing Studies 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. Add to your skills for new employment.

If you have a particular training need or need information, contact Debbie DeMare at (250) 392-8044.

First Aid Courses

Courses that may be offered during a semester include:

CPR D courses

- Basic Emergency First Aid
- Childcare Setting First Aid Package
- Emergency Medical Responder
- Family Health and Safety Package
- Farm and Ranch Health and Safety Package
- Pediatrics First Aid
- Standard First Aid
- Workplace for BC - First Aid Levels 1,2 & 3
- Transportation Endorsement
- WHMIS
- WCB Worksafe
- Automated External Defibrillator
- Oxygen Supplement

Forestry Courses

Courses that may be offered during a semester include:

- Assistant Forest Technician
- Basic Forest Worker
- Beetle Probing
- Basic Compassing & Mapping
- S100 Fire Suppression
- Log Scaling
- PowerSaw Safety & Maintenance
- Timber Cruising
- Falling & Bucking
- GPS Locator
- PITS Chainsaw Safety & Falling and Bucking

General Interest Courses

Courses that may be offered during a semester include:

- Introduction to Interior Design
- Living with Grief Conference
- Photography
- Drywall
- Ceramic Tile
- Hardwood and Laminate Floors
- Exploration in Life Writing

Health & Safety Courses

Courses that may be offered during a semester include:

- ATV Safety Training
- Foodsafe Level 1 & 2
- H2S Alive! Sour Gas Safety Training
- Holistic Nutrition
- Traffic Control Person Certification (Flagging)
- Transportation of Dangerous Goods
- WHMIS

Horticulture Courses

Courses that may be offered during a semester include:

- Beneficial Bugs
- Greenhouse Propagation
- Hanging Baskets
- Herbal Gardening
- Landscape Design, Introduction
- Lawn & Garden Soil Management

Language Courses

Courses that may be offered during a semester include:

- French, Beginner Conversational
- German, Beginner Conversational
- Sign Language - The Joy of Sighting
- Spanish, Beginner Conversational

Professional Development Courses

Courses that may be offered during a semester include:

- Bartending Professionally
- Basic Counselling Skills
- Community Mental Health Worker Certificate
- Conflict Resolution
- Customer Service Representative in Banking
- Management Skills for Supervisors

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

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	BERCOWSKI, ROBIN
Clearwater	(250) 674-3255	ARDUINI, SYLVIA
Lillooet	(250) 256-4286	BRYSON, JANE
Chase	(250) 679-8329	SKJEIE, VICKI
Ashcroft/ Cache Creek	(250) 453-9999	WISLA, HEATHER, BSc. (Sask.)
Barriere	(250) 672-9875	ROSS, SUSAN, Dipl. Metal. Tech. (B.C.I.T.)

100 Mile House Training & Education Centre

Community Coordinator

BERCOWSKI, ROBIN
Telephone: (250) 395-3115
Fax: (250) 395-2894
Email: rbercowski@tru.ca

The Centre

The 100 Mile House Centre is located at 485 South 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 are 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

Community Coordinator

WISLA, HEATHER, BSc. (Sask.)
Telephone: (250) 453-9999
Fax: (250) 453-2518
Email (mailto:hwisla@coppervalley.bc.ca)

The Centre

The Ashcroft/Cache Creek Centre is adjacent to the Ashcroft & District Employment Services Office, 124-4TH Street in downtown Ashcroft, right across from the Post Office.

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

Community Coordinator

ROSS, SUSAN, Dipl. Metal. Tech. (B.C.I.T.)
Telephone: (250) 672-9875
Fax: (250) 672-9875
Email (mailto:sross@tru.ca)

The Centre

The Barriere Centre is located in the heart of downtown Barriere at 629 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.

Chase Training & Education Centre

Community Coordinator

SKJEIE, VICKI
Telephone: (250) 679-8329
Fax: (250) 679-8346
Email (mailto:vskjeie@tru.ca)

The Centre

The Chase office is located at 826A Shuswap Avenue. It offers a variety of programs and courses in business and office skills, computers, first aid, health and safety, personal development, tourism and trades and technology. Invigilation for testing such as CAT and LPI tests is available upon request.

The Centre is available to provide individuals, businesses or agencies with courses and programs that are designed for specific needs. The coordinator is available to assist individuals and employers with their educational needs.

Clearwater Training & Education Centre

Community Coordinator

ARDUINI, SYLVIA
Telephone: (250) 674-3530
Fax: (250) 674-3534
Email (mailto:sarduini@tru.ca)

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, GED application 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. These courses range from Occupational First Aid Level 1-3, Transportation Endorsement, Red Cross CPR, Air Brakes, FS100, WHMIS, Traffic Control, Welding, Foodsafe Level 1, Bartending Professionally, Floral Design, National Coaching Theory, Carpentry and Automotive, just to name a few. The coordinator is always available to discuss your interest and training needs.

Lillooet Training & Education Centre

Community Coordinator

BRYSON, JANE
Telephone: (250) 256-4296
Fax: (250) 256-4278
Email (mailto:jbryson@tru.ca)

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, 15 seat computer lab 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.

Continuing Studies

Mission Statement

TRU Continuing Studies delivers education, training and performance improvement services that are quality-driven and customer-focused.

We provide a wide variety of credit and non-credit courses and programs to business, government, industry and individuals. Courses can be custom designed to meet your group's specific training needs.

Continuing Studies Brochure

Course details are published in the local newspapers weekly. Please view our website (http://www.tru.ca/contstudies.html).

Registration and Information

For more information or to register, call (250) 828-5039, or

Advanced Technology, Arts, Business, First Aid, Science and Tourism
BEAVER, JUDY
(250) 828-5213

Nursing
MCCLURE, LINDA
(250) 377-6139
ZAWADUK, CHERYL
(250 828-5345

Social Work and Human Service
TALLON, NANCY
(250) 828-5116

Trades & Technology
HAMILTON, HEATHER
(250) 371-5658

Refund Policy

For Continuing Studies 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 prior to the commencement of the course. There are no refunds once the course has started. Any exceptions to this policy will be handled on an individual basis through the respective consultant 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, as well as courses and programs offered by the Management Centre and many others.

Courses included are:

- Introduction to Bookkeeping
- Adobe Photoshop CS2
- Introduction to Web Site Development

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. If you do not require the course prerequisite, please ask about signing a waiver or challenging the course.

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 1
- Basic Standards Training 2

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

Courses include:

- WHMIS
- Transportation of Dangerous Goods
- Occupational First Aid - Level 1, Level 11, Level 111
- CPR "C"
- Red Cross Emergency
- S-100 Fire Suppression & Safety

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:

LAWSON, JANICE (250) 828-5060
PHILLIPS, VIVIAN (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. This may include:

- facilitation of meetings for large planning groups
- individual coaching in the development of specific workplace skills
- mediation services to groups or individuals in conflict
- facilitation of focus groups
- cross cultural consulting
- implementing change
- developing teams
- doing business in a global environment

Management Skills for Supervisors Certificate

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, three credits for BUAD 262 - Supervision 1, and three unassigned credits toward completion of the requirements for a TRU Diploma in Business.

Advanced Management Certificate

This three-day workshop is designed for managers who have taken the certificate Management Skills for Supervisors program or an equivalent supervisor training course. Today's manager needs the interactive and creative skills to be able to inspire and motivate teams of diverse individuals through the chaotic climate of rapid change. This program focuses on developing competency in the following areas:

- Leadership and Team Development
- Negotiation and Mediation Skills
- Problem Solving Models for Teams

Other Management Skills Programs

The following programs can be designed in varying formats and time frames to meet the requirements of clients. Sample workshop outlines are available on request.

Conflict and Negotiation Skills

- Conflict Management* The Conflicted Work Group
- Negotiation Skills
- Mediation Skills

Interpersonal Skills

- Assertiveness in the Workplace
- Communicating with the Public
- Coping with Difficult People
- Effective Communication Skills
- Escaping the Stress Trap
- Interpersonal Skills for the Workplace
- Managing the Time Machine
- Time Management for Support Personnel

Leadership SkillsCoaching Skills for ManagersEffective Performance ReviewsEffective PresentationsFacilitation Skills for ManagersHiring WinnersIndividual Employee CoachingExecutive CoachingInterview TechniquesLeadership for the New Millennium

- Coaching Skills for Managers
- Effective Performance Reviews
- Effective Presentations
- Facilitation Skills for Managers
- Hiring Winners
- Individual Employee Coaching
- Executive Coaching
- Interview Techniques
- Leadership for the New Millennium
- Managing Change - from Chaos to Creativity
- Meeting Facilitation Skills
- Skills for Critical Thinking
- Time Management for Managers
- Women in Management: Moving Up

Organizational Development Seminars and Workshops

- Applied Strategic Planning
- Board Development
- Intervention: The Conflicted Workgroup
- Introduction to Self-Directed Work Teams
- Creative Management - Orchestrating the Future

Service Management

- Delivering High Quality Customer Service
- Developing a Quality Service Team
- Dealing with Difficult Customers
- Better Business Writing

Specialized Programming

- Project Management Program
- Chairpersons' Training
- Coaching for Success
- Management Skills for College Personnel
- The Keys to Collaborative Consulting
- Train the Trainer Programming
- Women in Management: Internationalism in Action
- Working with Volunteers

Team Development Building the Effective Team

- The 5 Major Staffing Obstacles Facing Managers today
- The Art of Labour Relations
- Recruiting and Retaining Quality Employees
- Creative Problem Solving
- Getting the Most From Your People

- Goal Setting
- Maintaining Excellence in the Workplace
- Managing Diversity in the Workplace
- Motivation in the Workplace
- Personal and Working Styles
- Preventing Harassment
- Problem Solving and Decision Making
- Team Building with Myers Briggs Type Indicator (MBTI)

Consulting Services

Organizational and Human Resources Development

- Establishing Goals and Objectives
- Leadership "Coaching"
- Needs Assessment
- Organizational Conflict Resolution
- Strategic Planning
- Third Party Mediation

Specialty Areas

- Board Development
- First Nations Training
- Band Council and Administration
- Seminars for Elected Officials
- Team Development
- Cross Cultural Training
- Focus Groups

Stepping up to Supervisor

This 2-day workshop is designed for the new supervisor/foreman/ lead hand. Participants will learn the fundamental skills to lead effectively.

Topics covered include:

- communication
- conflict management
- motivation
- delegation
- leadership
- meeting management

Course Descriptions

Course Descriptions-Alphabetic by Subject

Course Numbering and Definitions

All new course numbers or changes to existing course numbers must be approved by the Registrar's office prior to being sent to the Educational Programs Committee (EPC).

Course Numbering

e.g.) English 121

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". English 121 is therefore a first year course.

Second and Third Digit—Identifies the course.

Hours of Instruction

e.g.) (3,1,3)

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. The above example, therefore, 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. "L" indicates a lab and in nursing courses, a "P" following the third digit indicates a clinical practicum.

Credit

e.g.) (3 credits)

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

Accounting

ACCT 100
Financial Accounting (3,0,0) 3 credits

This course offers an introduction to the fundamentals of financial accounting. Topics include the accounting cycle, adjusting entries, merchandising accounting, sales taxes, cash, temporary investments, accounts and notes receivable, inventory, capital assets, current liabilities, long-term liabilities, introductory corporate accounting, cash flow statements, and financial statement analysis. An accounting-related software package may be taught to meet the needs of particular programs.
Prerequisite: Admission to the Business Diploma, CSOM, Tourism Programs, the Horticulture Business Diploma or the Canadian Mountain Ski Guide Diploma

Note: Students will not receive credit for both ACCT 100 and ACCT 121 or BBUS 221.

ACCT 101
Management Accounting (3,0,0) 3 credits

This course offers an introduction to the fundamentals of management accounting. Topics include job costing, process costing, activity-based costing, cost-volume-profit analysis, budgeting, standard costing and variance analysis, responsibility centers, transfer pricing, decision making, inventory management, and capital budgeting. An accounting-related software package may be taught to meet the needs of particular programs.
Prerequisite: ACCT 100 or BBUS 221

Note: Students will not receive credit for both ACCT 101 and BBUS 254.

ACCT 103
Introduction to Accounting Principles (3,0,0) 3 credits

This course provides students with an introduction to the elements of financial and management accounting required in a small business setting. Topics include: the accounting cycle; accounting for assets including cash, accounts receivable, inventory, and property, plant, and equipment; accounting for liabilities including accounts payable and bank lending; sales taxes including PST and GST; payroll accounting; cost-volume profit analysis; budgeting; and financial statement analysis including ratio analysis and analyzing cash flow statements.
Prerequisite: Admission to the Adventure Guide Diploma or Aboriginal Tourism Certificate

Note: Students will not receive credit for both ACCT 100 and ACCT 103

ACCT 121
Financial Accounting 1 (3,0,0) 3 credits

This is the first of a two-course introduction to the fundamentals of financial accounting. Topics include the accounting cycle, adjusting entries, preparation of financial statements, merchandise business accounting, cash, bank reconciliations, marketable securities, accounts receivables, notes receivable, inventory, and capital assets.
Prerequisite: Admission to the Accounting Technician Diploma

Note: Students will not receive credit for both ACCT 121 and ACCT 100 or BBUS 221.

ACCT 122
Financial Accounting 2 (3,0,0) 3 credits

This is the second of a two-course introduction to the fundamentals of financial accounting. Topics include payroll accounting, PST and GST, current and long-term liabilities, generally accepted accounting principles, partnership accounting, corporate accounting, cash flow statements, and financial statement analysis.
Prerequisite: ACCT 121 or ACCT 100 or BBUS 221

ACCT 192
Accounting Systems 1 (3,0,0) 3 credits

This course offers an introduction to accounting software packages. Students will study Simply Accounting and the General Ledger, Accounts Receivable, and Accounts Payable modules of ACCPAC Plus.
Prerequisite: ACCT 100 or ACCT 121 or BBUS 221 and BBUS 237

Note: Students will not receive credit for both ACCT 192 and COMP 192

ACCT 254
Cost and Management Accounting 1 (3,0,0) 3 credits

This is the first of a two-course introduction to cost and management accounting. Topics include job and process costing, activity-based costing, cost tracing and allocation, cost-volume-profit analysis, and capital budgeting.
Prerequisite: ACCT 122

ACCT 255
Intermediate Financial Accounting 1 (3,0,0) 3 credits

This is the first of a two-course sequence dealing with the preparation of the income statement, the statement of retained earnings, and the asset side of the balance sheet. Topics include the accounting professions; the conceptual framework; discontinued operations; extraordinary items; accounting changes; cash; temporary investments; receivables; inventory; the costing, amortization, disposal, and write-down of capital assets; and deferred charges including R&D costs.
Prerequisite: ACCT 122

ACCT 257
Income Taxation 1 (3,0,0) 3 credits

This is the first of a two-course introduction to taxation covering the basics of personal income tax. Topics include the treatment of various types of incomes and expenses and computation of taxable income, tax credits and tax payable for an individual.
Prerequisite: ACCT 122

ACCT 262
Assurance (3,0,0) 3 credits

This course offers an introduction to the fundamentals of auditing. Topics include an overview of the auditing profession, the auditor's report, audit objectives, types of evidence and documentation, audit planning, materiality and risk, internal controls, and audit sampling testing.
Prerequisite: ACCT 122

ACCT 264
Cost and Management Accounting 2 (3,0,0) 3 credits

This is the second of a two-course introduction to cost and management accounting. Topics include budgets and responsibility accounting, standard costing and variance analysis, variable costing, transfer pricing, inventory management, and decision making.
Prerequisite: ACCT 254

ACCT 265
Intermediate Financial Accounting 2 (3,0,0) 3 credits

This is the second of a two-course sequence dealing with the preparation of the current liabilities, long-term liabilities, and shareholders' equity sections of the balance sheet and the cash flow statement. Topics include sales taxes, estimated liabilities, payroll accounting, bank lending, bonds payable, subsidized borrowing, advanced corporate accounting, derivative securities, earnings per share, future benefits, leases, and future income taxes.
Prerequisite: ACCT 255

ACCT 267
Income Taxation 2 (3,0,0) 3 credits

This is the second of a two-course introduction to taxation covering the basic income taxation of corporations and partnerships. Topics include computation of taxable income and tax payable, tax planning issues, tax enforcement, and the Goods and Services Tax.
Prerequisite: ACCT 257

ACCT 295
Accounting Technician Capstone Project (3,0,0) 3 credits

This capstone course is designed to prepare the student for the workforce. The student must complete a series of comprehensive modules that simulate different business situations representative of what will be encountered in the workplace. The different modules develop the student's ability to integrate the skills and knowledge acquired in previous courses. Students will be exposed to situations dealing with the starting of a business, setting up a complex set of books, analyzing and recording daily operating activities, preparing detailed financial statements and the accompanying notes, preparing working paper files, and the filing of tax and other governmental returns.
Prerequisite: 45 program credits

Adult Special Education Training

ASET 020
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 021
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 062
Communication 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 063
Communication 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 091
Workplace Numeracy & 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 092
Workplace Numeracy & 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 096
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 097
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

Adventure

ADVG 101
The Adventure Tourism Industry (3,0,0) 3 credits

This course offers an overview of the tourism industry and the adventure tourism sector, its origins, 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. 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 102
Wilderness Travel (1,2,0) 3 credits

This course reviews the theoretical aspects and practical aspects of wilderness travel and is an introduction 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 Guide Program, or with permission of the instructor.

ADVG 105
Guiding Leadership 1 (3,0,0) 3 credits

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 111
Emergency Situation, Search & Rescue Management (3,0,0) 2 credits

This course explores the guide's role in emergency situations and search and rescue management. 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 101 or permission of the instructor

ADVG 119
Standard Interpretative Guide Course (16 hours) 1 credit

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. 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 151
Flatwater Canoe Instructor (60 hours) 2 credits

This is the CRCA (Canadian Recreational Canoeing Association) Flatwater Instructor certification, and preparation 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.
Prerequisites: ADVG 102

ADVG 153
Kayak 1 (60 hours) 2 credits

This is a flatwater and river kayaking skills course including: kayak construction, equipment, rolls, strokes, and rescues.
Prerequisites: ADVG 102

ADVG 155
Skiing 1 (60 hours) 2 credits

This course is an introduction to downhill ski techniques and equipment. Students will participate on telemark and/or 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 will be utilized.
Prerequisites: ADVG 102

ADVG 156
Ski Tour 1 (70 hours) 2 credits

This course is an introduction 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.
Prerequisites: ADVG 102 and one of ADVG 155 or ADVG 245 or ADVG 255

ADVG 157
Rock Climbing 1 (70 hours) 2 credits

This is a rock climbing personal skill development course designed to build a foundation in industry standard systems. Areas that will be 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 A.C.M.G. Climbing gym instructors program.
Prerequisites: ADVG 102

ADVG 158
Mountaineering 1 (70 hours) 2 credits

This is a mountaineering skill development course covering mountaineering equipment, mountain safety, belays, anchors, mountaineering techniques, and crevasse rescue.
Prerequisite: ADVG 102

ADVG 159
Avalanche Safety for Ski Operations Level 1 (70 hours) 2 credits

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 102 and ADVG 156 or permission of the instructor

ADVG 160
SRT 3: Swiftwater Rescue Technician (60 hours) 2 credits

The Swiftwater Rescue Technician 1 course includes: river rescue instruction as it pertains to canoes, kayaks, and rafts, hypothermia and drowning, rescue in moving water, improvised rescue, rope system rescue, rescue simulations.
Prerequisite: ADVG 153

ADVG 180
Computer Applications for the Adventure Tourism Industry (0,0,3) 3 credits

This course is an in-depth look at computer applications for the adventure tourism industry. Course content includes: Microsoft Word, Excel, and PowerPoint applications, the development of basic websites, photo and video editing, and Global Positioning System (GPS) and mapping software.
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 190
Expedition 1 (70 hours) 2 credits

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.
Prerequisites: Entry to the Adventure Guide Diploma and ADVG 102

ADVG 201
The Natural Environment (3,0,0) 3 credits

This course studies the natural resource base upon which the adventure tourism industry depends; for example, 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. 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 203
Advanced Wilderness First Aid (80 hours) 3 credits

An advanced wilderness emergency response course that provides advanced detail 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 and Ski Guide Program, or with permission of the instructor.

ADVG 204
The Business of Adventure Tourism (3,0,0) 3 credits

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 tax, 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 and Ski Guide Program, or with permission of the instructor.

ADVG 205
Guiding Leadership 2 (3,0,0) 3 credits

Further topics in leadership, the higher level skills of: teaching methodology, learning styles, teaching and learning strategies, program planning, problem-solving and decision making, team building and high performance teams, burnout and stress management, conflict resolution, human resource development.
Prerequisite: ADVG 105 or ADVG 261 or ADVG 281 or permission of course instructor

ADVG 206
Legal Liability and Risk Management (3,0,0) 3 credits

This course is a comprehensive study of the legal issues that surround liability and risk management in adventure tourism. Course content 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 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 214
International Adventure Tourism Business (3,0,0) 3 credits

This course is intended to provide a background about 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. 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 215
International Guiding (3,0,0) 3 credits

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: 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 216
Outdoor Education Planning and Design (3,0,0) 3 credits

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. 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 217
Outdoor Education Pedagogy (3,0,0) 3 credits

The delivery of outdoor education is dependent upon a thorough understanding of the principles and methods of instruction. This course provides 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. 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 218
Outdoor Education & the Law (3,0,0) 3 credits

Outdoor education blends the various legal requirements of numerous disciplines such as teaching, guiding, interpretation, and adventure sports. This course provides 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: 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 219
Professional Interpretative Guide Course (40 hours) 2 credits

This is the professional interpretative guide course offered by the Mountain Parks Heritage Interpretation Association (MPHIA). It is designed for individuals intending to work as a professional interpreter in the mountain national parks and seeking accreditation by MPHIA.
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 220
Climbing Gym Instructor Level 1 (30 hours) 1 credit

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: ADVG 102 (or equivalent), or with permission of the instructor

ADVG 221
Climbing Gym Instructor Level 2 (30 hours) 1 credit

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: Climbing ability of 5.10+ on artificial climbing structures, successful completion of ADVG 220, 30 hours of Level 1 instructional experience

ADVG 222
Climbing Gym Instructor Level 3 (30 hours) 1 credit

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 III 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: Climbing ability of 5.11 - on rock, successful completion of ADVG 221, 30 hours of Level 2 instructional experience

ADVG 223
Guide Training Skiing – Mechanized (70 hours) 2 credits

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.
Prerequisites: ADVG 203 and ADVG 159

ADVG 224
Top Rope Climbing Instructor (50 hours) 2 credits

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: Ability to top rope to 5.10 outdoors and lead 5.9 with bolt protection outdoors. Standard first aid certificate (16 hours).

ADVG 228
Alpine Ski Instructor Level 3 (60 hours) 2 credits

This course is the Level 3 Ski Instructor Certification of the Canadian Ski Instructors' Alliance. This course provides professional training in alpine ski instruction and will provide opportunity for professional ski improvement.
Prerequisite: ADVG 233

ADVG 229
Snowboard Instructor Level 2 (60 hours) 2 credits

This course is the Level 2 Snow Board 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: Canadian Association of Snowboard Instructors (CASI) Level 1

ADVG 230
Ski Guiding Operations (80 hours) 3 credits

This course includes operational procedures for those who intend on working in the mechanized backcountry ski industry. Topics will include: information management, snow safety plans, snowcat logistics safety and operations, heli-ski logistics, safety and operations, operational emergency response plans, "production" vs. "private" group management techniques, advanced downhill guiding techniques.
Prerequisite: ADVG 282 or approval of program coordinator

ADVG 231
Guide Training – Ice (50 hours) 2 credits

This is the first of two training courses (the second is ADVG 260) that prepare guide candidates for the Assistant Alpine Guide exam. This course focuses on guiding techniques for waterfall ice. It will include systems and guide applications in ice school scenarios (top rope anchors, instructional techniques, client management in a winter environment), and guide applications for guiding multi-pitch ice (anchor exchanges, ascent and descent systems, client and hazard management).
Prerequisite: ADVG 261 and ADVG 159

ADVG 233
Alpine Ski Instructor 2 (60 hours) 2 credits

This course is the Level II Instructor Certification of the Canadian Ski Instructors Alliance. This course provides professional training in alpine ski instruction and will provide opportunity for professional ski improvement.
Prerequisite: Admission to the Canadian Mountain and Ski Guide Diploma

ADVG 234
Powder Performance (60 hours) 2 credits

This course provides instructional techniques and progressions to introduce intermediate alpine skiers to backcountry snow conditions. Covers techniques for powder snow skiing as well as difficult and tracked snow skiing.
Prerequisite: ADVG 233 or permission of program coordinator

ADVG 235
Work Experience – Ice (180 hours) 1 credit

Waterfall ice guiding work experience under the supervision of an ACMG Alpine Guide or Mountain Guide. Must be a minimum of 21 days of documented waterfall ice guiding work.
Prerequisite: ADVG 260

ADVG 236
Work Experience – Mechanized Skiing (180 hours) 1 credit

Helicopter or snowcat ski guiding work experience under the supervision of an ACMG Ski Guide or Mountain Guide. Must be a minimum of 21 days of documented mechanized ski guiding work.
Prerequisite: ADVG 223 and ADVG 258

ADVG 237
Pre-exam Training – Rock (30 hours) 1 credit

Additional training for candidates who are preparing for exams in the rock guide program.
Prerequisite: ADVG 259 or ADVG 261

ADVG 238
Pre-exam Training – Alpine (30 hours) 1 credit

Additional training for candidates who are preparing for exams in the alpine guide program.
Prerequisite: ADVG 260 or ADVG 289

ADVG 239
Pre-exam Training – Skiing (30 hours) 1 credit

Additional training for candidates who are preparing for exams in the ski guide program.
Prerequisite: ADVG 282 or ADVG 286

ADVG 241
Weather and Climate for Guides (3,0,1) 3 credits

An introduction to the principles of climatology. Topics include global climatic patterns, vertical and horizontal air movements, weather systems, and weather mapping and forecasting.
Prerequisite: Admission to the Canadian Mountain and Ski Guide Diploma or permission of program coordinator

ADVG 243
Day Hiking Guide (70 hours) 2 credits

This course is intended for guides leading clients on day trips in heli-hiking, established trails in parks, and off-trail in wilderness operations. Content covers navigation, route plans, group management, helicopter use, client and hazard management. This course also introduces interpretive techniques, introduction to professionalism and guiding, and client management.
Prerequisite for CMSG Dip.: ADVG 203

Prerequisite for all other programs: ADVG 102 and ADVG 203

ADVG 244
Backpacking Guide (60 hours) 2 credits

This certification course is intended for guides leading clients on multi-day trips in wilderness operations in forested and alpine terrain that does not require technical climbing skills. The course includes advanced skills in: route finding, advanced navigation, hazard management, camp management, trip planning, leadership and responsibility, environmental ethics, and client care in a multi day scenario. A principle component is advanced technical skills including: route finding, advanced navigation, hazard management, camp management, trip planning, leadership and responsibility, environmental ethics, and client care in a multi-day scenario.
Prerequisite: ADVG 243

ADVG 245
Alpine Ski Instructor 1 (60 hours) 2 credits

The Level I Ski Instructor Certification represents the first step for Canadian alpine ski instructors. This CSIA (Canadian Ski Instructor Alliance) Level 1 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 will provide an opportunity for personal ski improvement.
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 246
Swiftwater Rope Rescue (60 hours) 2 credits

The Swiftwater Rope Rescue course is intended to provide rope system training as applied to the moving water environment. The course is structured parallel to the Provincial Emergency Program Rope Rescue Team Member course but is intended for participants from paddling backgrounds. This course is required prior to entry into the Swiftwater Rescue Instructor course. Content will include: rope handling principles, communication, rescue anchors, belays for multi-person loads, lowering and raising systems, patient and stretcher ties and attachments, recovering vessels, highline systems and telfers and rescue simulations.
Prerequisite: ADVG 111, ADVG 157, ADVG 203, and ADVG 273

ADVG 249
Kayak 2 (60 hours) 2 credits

This is a whitewater skill development course intended to prepare participants for the Assistant River Kayak Instructor course of the Whitewater Kayak Association of B.C.
Prerequisite: ADVG 153 or instructor's permission

ADVG 251
Moving Water Canoe Instructor (60 hours) 2 credits

This course teaches advanced moving water canoeing skills leading to the Canadian Recreational Canoe Association Moving Water Instructor Certificate. Course content includes: river hydraulics, advanced strokes, advanced paddling.
Prerequisites: ADVG 151 and ADVG 248

ADVG 252
Canoe Tripping Instructor (60 hours) 2 credits

This course teaches canoe tripping skills leading to the Canadian Recreational Canoe Association Trip Leader Certificate. Course content includes: canoe tripping, trip planning, and trip experience.
Prerequisite: ADVG 251

ADVG 253
Kayak 3 (60 hours) 2 credits

This course teaches advanced whitewater kayaking skills and leadership leading to the Assistant River Kayak Instructor Certificate of the Whitewater Kayak Association of B.C.
Prerequisite: ADVG 249

ADVG 254
Kayak 4 (60 hours) 2 credits

This course includes in-depth whitewater kayaking instructional skills leading to the Senior River Kayak Instructor Certificate of the Whitewater Kayak Association of B.C.
Prerequisite: ADVG 160 and ADVG 253

ADVG 255
Telemark Ski Instructor Level 1 (60 hours) 2 credits

This course teaches nordic skiing leading to the CANSI Telemark Instructor Level I Certificate. Course content includes advanced Nordic downhill techniques and teaching skills.
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 256
Nordic Ski Instructor 1 (60 hours) 2 credits

This is the Canadian Association of Nordic Ski Instructors Level I course and is an introduction to instructing Nordic skiing. Course content includes: classic, skating, and telemark technique using telemark, skating and classic equipment and CANSI teaching progressions.
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 257
Ski Tour 2 (70 hours) 2 credits

This course includes advanced backcountry skiing, route finding, evacuations, ski tour guiding, teaching backcountry skiing.
Prerequisites: ADVG 203, ADVG 156, and ADVG 159

ADVG 258
Guide Training Skiing – Touring (70 hours) 2 credits

This is the second of two training courses (the first is ADVG 223) 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 223

ADVG 259
Guide Training – Rock (80 hours) 2 credits

This is the first course in the Rock Guide program and the recommended entry point if one intends to complete the Mountain Guide Certificate or Diploma. Course content includes: a variety of technical guide applications which are 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.
Prerequisites for CMSG Dip.: ADVG 203

Prerequisites for other programs: ADVG 157, ADVG 158 and ADVG 203

ADVG 260
Guide Training – Alpine (80 hours) 3 credits

This is the second of two training courses (the first is ADVG 231) that prepare guide candidates for the Assistant Alpine Guide exam. This course focuses on client management in alpine climbing terrain and covers snow and ice anchor review, ascending and descending ice faces, short roping on 4th and 5th class rock, snow and ridged terrain, and rescue techniques. The course also includes group management, setting up snow and ice schools and private guiding techniques.
Prerequisites.: ADVG 159, ADVG 231, and ADVG 261

ADVG 261
Assistant Rock Guide (80 hours) 3 credits

This is an Association of Canadian Mountain Guides certification course. The course involves coaching and evaluating applied guide techniques while simulating a guide-client relationship in rock terrain and requires a high level of rock climbing proficiency in order to apply guide techniques on long, multi-pitch routes, sport-climbs and top-rope climbs. Students also demonstrate field and classroom teaching techniques. This is the required course to work as an assistant guide in rock terrain.
Prerequisites for ADVG Dip.: ADVG 259 or ADVG 260

Prerequisites for CMSG Dip.: ADVG 259

ADVG 262
Rope Rescue (60 hours) 2 credits

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 for ADVG Dip.: ADVG 259 or ADVG 280

Prerequisite for CMSG Dip.: ADVG 259 or approval of program coordinator

ADVG 263
Rope Rescue Team Leader (60 hours) 2 credits

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 262

ADVG 264
Sea Kayaking 1 (60 hours) 2 credits

This course addresses understanding sea kayaking techniques and the ocean environment. Course content includes: tides, ocean flora and fauna, sea kayak equipment, ocean safety, weather, rescues, navigation, and guiding techniques.
Prerequisites: ADVG 102 and ADVG 153

ADVG 265
Sea Kayaking 2 (60 hours) 2 credits

This course is the Association of Sea Kayak Guides Assistant Guide Exam. Course content includes: advanced sea kayaking instruction including guiding leadership, leadership criteria, ocean safety, rescues, and trip planning.
Prerequisites: ADVG 264

ADVG 266
River Rafting 1 (60 hours) 2 credits

The objective of this course is to enable participants to safely operate paddle and oar powered river rafts in Class 2 and Class 3 rapids. Students will acquire the knowledge and skills required by commercial guides in B.C. All three types of craft (paddle, oar, and motor) will be utilized in order for the student to gain an overall perspective of the raft guiding industry.
Prerequisites: ADVG 153 and ADVG 160

ADVG 267
Natural History 2 (60 hours) 2 credits

This course is a practical, in-depth study of the flora, fauna, geographic features, and ecosystems that comprise the natural environment within B.C. The course is intended to give students a functional understanding of the wilderness environment.
Prerequisites: ADVG 110 and ADVG 201

ADVG 268
Natural History 3 (60 hours) 2 credits

This course is an advanced, detailed study of the natural environment of B.C.
Prerequisite: ADVG 267

ADVG 269
Elective Activity (60 hours) 2 credits

As approved by the Adventure Programs Department Chairperson, students may receive credit for participation in additional adventure activity courses not taught within the Adventure Diploma or Canadian Mountain and Ski Guide Diploma. Courses must be from recognized training programs to receive consideration.
Prerequisite: Permission of the Department Chair

ADVG 270
Open Water Diver (60 hours) 2 credits

This course is the entry level NASDS (National Association of Scuba Diving Schools) Open Water Scuba Diving certification program. The certification enables the participant to sport dive anywhere in the world.
Prerequisite: ADVG 102 or equivalent

ADVG 271
Advanced/Master Diver (60 hours) 2 credits

This course includes the NASDS (National Association of Scuba Diving Schools) Advanced Open Water and Master Diver certifications. Course content includes search and recovery, underwater navigation, night diving, deep diving, and five specialty dive modules.
Prerequisite: ADVG 270

ADVG 272
Dive Supervisor (60 hours) 2 credits

This course is the first of the NASDS (National Association of Scuba Diving Schools) professional diver programs. Upon completion of this course participants are qualified to organize dive outings for groups and conduct dive tours.
Prerequisite: ADVG 271

ADVG 273
SRT 4: Swiftwater Rescue Specialist (60 hours) 2 credits

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 160

ADVG 274
Swiftwater Rescue Instructor (60 hours) 2 credits

This is the Swiftwater Rescue Technician Instructor course which includes: advanced rescue technique reviews, simulations, instructional techniques, and instructional safety techniques.
Prerequisites: ADVG 273

ADVG 275
River Rafting 2 (60 hours) 2 credits

This course includes 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 266

ADVG 276
Ice Climbing (60 hours) 2 credits

This course includes ice climbing techniques for both waterfall ice and mountaineering including systems for leading, anchors, and steep ice techniques.
Prerequisite: ADVG 157 or instructor's permission

ADVG 277
Adventure Sports Photography (60 hours) 2 credits

This is a 35 mm photography course for mountain guides with emphasis on photo composition and the application of photography in the context of the guiding business.
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 279
Ski Tour 3 (60 hours) 2 credits

This course is an advanced ski tour guiding course on nordic or randonee equipment for those 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.
Prerequisites: ADVG 257 and ADVG 281 or ADVG 260

ADVG 280
Rock Climbing 2 (70 hours) 2 credits

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. It is meant to be 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 ADMG's Top Rope Instructor certification course.
Prerequisites: ADVG 157 and intermediate rock climbing ability

ADVG 281
Mountaineering 2 (70 hours) 2 credits

This course is a skill development course in alpine climbing techniques. Students will travel in simple to moderate alpine terrain conducting peaks ascents of semi-technical and technical routes. This will involve multi-pitch climbing on rock, snow, ice and mixed terrain.
Prerequisites: ADVG 157 and intermediate rock climbing ability (comfortable in multi-pitch scenarios) and ADVG 158 and intermediate mountaineering experience (minimum 5 alpine days after ADVG 158).

ADVG 282
Assistant Ski Guide (80 hours) 3 credits

This is an Association of Canadian Mountain Guides certification course that demands a high level of backcountry skiing proficiency in mountainous and glaciated terrain. This course evaluates candidates in a simulated guide/client scenario managing winter and avalanche hazards, route selection and use of options, information gathering and decision making, and uphill and downhill guiding techniques. This course is the assistant guide standard recognized by the British Columbia Helicopter and Snowcat Skiing Operators Association and the Backcountry Lodges of British Columbia Association.
Prerequisites: ADVG 223 and ADVG 258

ADVG 283
International Expedition Planning and Leadership (3,0,0 hours) 3 credits

This course is concerned with the planning and leadership of international adventure expeditions. Aspects of expedition planning will 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. The course will also explore cultural considerations surrounding guiding and leading expeditions in an international setting. Topics will include: examining the impact of international expeditions on cultural, minimizing the cultural impact of international expeditions, cultural considerations of foreign guiding, and a look at stewardship and global citizenship.
Prerequisite: ADVG 105 or equivalent

ADVG 284
Coastal Sail Cruising 1 (60 hours) 2 credits

This course is an introduction to coastal sail cruising. The course explores how cruising interrelates with other aspects of coastal adventure tourism. The course is taught to the Canadian Yachting Association Basic Cruising Standard and is concerned with developing competent coastal sailing skills.
Prerequisites: ADVG 102 or equivalent

ADVG 285
Instructional Skills Workshop (0,3,0) 3 credits

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 105

ADVG 286
Ski Guide (80 hours) 3 credits

This is an Association of Canadian Mountain Guides certification course that evaluates candidates to a "lead ski guide" standard in a mechanized or ski touring guiding operation where they demonstrate the ability to gather information, choose appropriate terrain, and manage hazards with groups in remote glaciated high mountain terrain. Also involves catering, client management in a camp scenario, and daily communication and information exchanges. This course is the "full guide" standard recognized by the British Columbia Helicopter and Snowcat Skiing Operators Association and the Backcountry Lodges of British Columbia Association.
Prerequisites: ADVG 282, ADVG 291, and ADVG 296

ADVG 287
Rock Guide (80 hours) 3 credits

This is an Association of Canadian Mountain Guides certification course that demands a high level of rock climbing proficiency and applied guide techniques on long multi-pitch routes, sport-climbs, and top-rope climbs. Also includes advanced improvised rescue techniques in high angle settings.
Prerequisites: ADVG 261

ADVG 288
Assistant Alpine Guide (100 hours) 3 credits

This is an Association of Canadian Mountain Guides certification course that coaches and evaluates applied guide techniques in a wide variety of mountain terrain and conditions. It includes: client management on rock, snow and ice; advanced navigation, glacier travel, risk management, advanced decision-making and use of options. A high level of fitness is required. This course is the standard for working as an assistant guide in mountaineering and climbing operations.
Prerequisite: ADVG 231 and ADVG 260

ADVG 289
Alpine Guide (100 hours) 3 credits

A professional alpine guide certification course, which demands a high level of alpine climbing proficiency and client management in a wide variety of alpine terrain and conditions on rock, snow and ice. This certification is the "full" or "lead" guide standard for mountaineering and climbing operations.
Prerequisites: ADVG 288 and ADVG 291

ADVG 290
Expedition 2 (60 hours) 2 credits

This course is 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 at least 50 program credits completed

ADVG 291
Avalanche Safety for Ski Operations Level 2 (80 hours) 3 credits

The Canadian Avalanche Association Level II course for professional guides, snow safety personnel and avalanche technicians. The course includes: evaluating avalanche terrain, collecting and evaluating weather data, collecting and evaluating snow pack data, forecasting snow stability and making ski industry operational decisions.
Prerequisites: ADVG 159

ADVG 292
Rescue Applications and Leadership (60 hours) 2 credits

This course concerns itself with rescue applications in the rock and alpine environments. Includes single and two-rope rescue systems in an organized rescue environment. Belays, lowers, raises, knot passes, high lines, guide lines, and multi-pitch rescue simulations. May include the BC Provincial Emergency Program/Justice Institute of BC Rope Rescue Team Member or Team Leader certifications.
Prerequisites: ADVG 261 or ADVG 282 or permission of program coordinator

ADVG 293
Rock Climbing 3 (70 hours) 2 credits

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. Skills will be coached and instructed in order to attain entry-level guiding standard rope management, technical systems, movement, and high angle rope rescue skills. At the course's end students will receive feedback as to their appropriateness to move-on to the ADMG Guide Training Rock course.
Prerequisite: ADVG 280 and advanced rock climbing ability

ADVG 294
Mountaineering 3 (70 hours) 2 credits

This will be a pre-course, preparing candidates for entry in the Association of Canadian Mountain Guides - Guide Training Alpine course, which is 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 293 with advanced climbing ability and ADVG 281 with intermediate mountaineering experience (minimum of 5 days of alpine climbing after ADVG 281).

ADVG 296
Work Experience – Ski Touring (180 hours) 1 credit

Ski-tour or ski-mountaineering guiding work experience under the supervision of an ACMG Ski Guide or Mountain Guide. Must be a minimum of 21 days of documented ski-tour guiding work.
Prerequisite: ADVG 223 and ADVG 258 or permission of program coordinator

ADVG 297
Work Experience – Rock (180 hours) 1 credit

Rock guiding work experience under the supervision of an ACMG Rock, Alpine or Mountain Guide. Must be a minimum of 21 days of rock guiding work.
Prerequisite: ADVG 259

ADVG 298
Work Experience – Alpine (180 hours) 1 credit

Alpine guiding work experience under the supervision of an ACMG Alpine Guide or Mountain Guide. Must be a minimum of 21 days of documented alpine guiding work.
Prerequisite: ADVG 231 and ADVG 260 or approval of program coordinator

ADVG 311
Adventure Activities (1,0,4) 3 credits

This course is designed to provide students with practical exposure to the planning and participation in a selection of adventure sports. Students will be 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. The course will also discuss topics such as trip preparation, safety and leadership styles. While most of the group and technical equipment will be provided, students will be required to provide personal 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: Second year standing in a TRU academic program. Permission of the instructor.

ADVG 313
Adventure Operations (3,0,0) 3 credits

This course is designed to introduce students to the planning of adventure activities and the operation of various types of adventure programs. Students will gain practical knowledge by developing and planning an adventure activity and will discuss the principles of implementation. The course will provide an overview of the day-to-day tasks, roles and responsibilities of operating adventure programs and will explore trends and issues that will affect the management of adventure operations.
Prerequisite: ADVG 311 or equivalent

ADVG 401
Business Applications for Eco and Adventure Tourism Management (3,0,0) 3 credits

This course studies applied business concepts as they pertain to the development, administration, management, marketing, and control of commercial adventure tourism operations. The course will discuss: business opportunity analysis, administrative and management decision-making perspectives, applying a variety of channels of distribution, socio-political aspects of the international marketplace, human resource management, finance techniques, pricing methods, operations management, optic views, and product development.
Prerequisite: 3rd year standing and ADVG 313 (or equivalent) or instructor's permission

ADVG 402
Legal Liability and Risk Management for Eco & Adventure Businesses (3,0,0) 3 credits

This course studies applied legal concepts and risk management as they pertain to the administration, management, and control of both public and private adventure tourism operations. The course will discuss: legal liability concepts, owner and director liability, guide and leader liability, risk controls, risk financing, risk mitigation, evaluating country risk for international operations, insurance, planning and response document development, and post-incident strategies. There will be extensive use of case studies.
Prerequisite: 3rd year standing and ADVG 206 or TMGT 225 or BBUS 393, or instructor's permission

ADVG 403
Contemporary Perspectives in the Eco and Adventure Industry (3,0,0) 3 credits

This course studies contemporary issues as they pertain to the management of adventure tourism within the domestic and international marketplace. Topics will vary from year to year depending upon current local and international trends. Subject matter will include such topics as: implications of technology on wilderness experience, socio-political studies of international markets, cultural impacts of intrusive travel, commercialization effects on the adventure traveler, philosophical implications of search and rescue response types on the wilderness experience, etc.
Prerequisite: ADVG 313 (or equivalent) or instructor's permission

ADVG 404
Programming Experiential Activities (3,0,0) 3 credits

An in-depth look into the development, implementation and evaluation of programs designed for a wide variety of adventure tourism consumers. This course includes: defining and segregating the specific users, development of programs from client, environment, marketing and economic perspectives, evaluating future trends and niche markets, development of perceptions in the areas of adventure, risk, confidence and freedom, development of general, specific and custom programs, and the creation of evaluation and modification loops in order to design and maintain program excellence.
Prerequisite: ADVG 313 (or equivalent) or instructor's permission

ADVG 405
International Adventure Tourism Business (3,0,0) 3 credits

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 313 (or equivalent) or instructor's permission

ADVG 407
Directed Studies in Adventure (0,3,0) 3 credits

This independent study course is designed to allow students the opportunity to investigate a specific field or topic in nature-based and adventure tourism. Consultation with, and permission of, a BTM faculty member and the School of Tourism Associate Dean is required.
Prerequisite: Students must have completed at least 15 400-level ADVG credits before applying for this course. Adventure Studies Department Chair and Dean permission required.

ADVG 408
Graduating Seminar (0,3,0) 3 credits

This course teaches research methodology by involving the students in a project of their choice. The course will be in seminar format and each student will design and complete a project within the semester. Selected readings will provide the foundation for student contribution to class discussion and to the development of their project.
Prerequisite: 4th year standing and TMGT 305 or instructor's permission

ADVG 409
International Adventure Tourism Community Development (1,2,0) 3 credits

This course is the study of community-based adventure tourism policy, planning and development. International tourism managers must understand concepts of sustainability, community development, how tourism can be used to promote conservation, and how to involve local populations in the tourism development decision-making process. While community-based tourism concepts are finding their way into North American tourism development processes, this course will concern itself primarily with issues facing developing countries and the lessons that may be brought to North American operations. Topics will 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, the importance of including women in community development, and numerous case studies and applications.
Prerequisite: ADVG 313 (or equivalent) and ADVG 405. ADVG 405 may be taken as a corequisite.

ADVG 410
Adventure Tourism Field Trip (0,0,12) 6 credits

This course is a 6-8 week field trip to study adventure tourism development, policy, planning and operations. The study of specific culture, language, and involvement in practical community-based tourism development work will require travel to a region in order to embark in practical, non-theoretical discussion and project work.
Prerequisite: ADVG 405, ADVG 409 and three additional upper-level ADVG credits. In the event that this course is over-subscribed, applicants will be selected based on the following criteria: stream of study, GPA, and international travel and work experience.

ADVG 411
Adventure Tourism Field Trip (0,0,6) 3 credits

This course is a three-credit field trip to study adventure tourism development, policy, planning and operations. Students will use this field experience as a basis for lectures, discussion and reports.
Prerequisite: ADVG 405, ADVG 409 and three additional upper-level ADVG credits. In the event that this course is over-subscribed, applicants will be selected based on the following criteria: stream of study, GPA, and international travel and work experience.

ADVG 420
Recreation and Tourism Management (3,0,0) 3 credits

This course studies the theory and practice of managing natural resource based recreation and tourism. This course will consider natural resource based recreation and tourism from a social, economic, business, and management perspective. It will provide an overview of commercial recreation and tourism, how tourism is marketed, business start-up considerations, legal liability, risk management techniques, staffing qualifications, as well as administrative and management considerations of natural resource based businesses. It includes extensive use of case studies in both case law and business issues.
Prerequisite: Third year standing in the BNRS program.

ADVG 421
Adventure and Sport Marketing (3,0,0) 3 credits

This course specifically focuses on the unique marketing attributes of the adventure and sport product. It offers an advanced and integrative approach to the study of adventure and sports marketing mix and promotion. The course centres on marketing planning, identification of preferred media strategies and the design of targeted marketing products.
Prerequisite: 3rd year standing or instructor's permission

ADVG 422
The Culture of Adventure (3,0,0) 3 credits

This course is the study of the culture of adventure. 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 important context for its future development. Course content includes studies in adventure philosophy, history, literature, art, stories, mythology, values, mentors, evolution, and contemporary applications.
Prerequisite: 3rd year standing or instructor's permission

ADVG 423
Consulting in Adventure (3,0,0) 3 credits

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 401 or instructor's permission

Agricultural Science

AGSC 210
Introduction to Food Production Systems (3,2,0) 3 credits

This course is a study of the fundamental concepts and principles of food production systems. The course will survey a range of agricultural systems using global, North American, Canadian, and B.C. examples. Students will learn 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.

AGSC 220
Food Systems at a Local Level and Beyond (4,0,0) 3 credits

An introductory course to agriculture and food systems focusing on the local level but including information on global systems. Discussions will focus on agriculture, local food production, food security and food policy, sustainability, commercialization, and globalization. Class case studies and projects will be used to help students to apply concepts learned during lecture and to develop critical thinking, problem solving, communication, and conflict resolution skills.
Note: Students cannot receive credit for both AGSC 210 and AGSC 220

Animal Health Technology

ANHT 101
Laboratory Math (2,0,0) 2 Credits

This course is designed to provide AHT students with an understanding of the principles and techniques of mathematics and statistics which are used in their field of work. The emphasis is on calculating dosages including continuous intravenous infusion and on dilution of solutions. An introduction to statistics is included to allow the AHT to critically read journal articles and pharmaceutical claims and to facilitate research efforts.
Prerequisite: Admission to the Animal Health Technology program

ANHT 109
Animal Behaviour 1 (1,0,0) 1 credit

Animal behaviour is a growing field in Veterinary Medicine. This course will give the AHT student the skills needed to feel comfortable dealing with animal behaviour issues such as training methods, behaviour problems and animal temperament assessment.

This course, the first of four one-hour courses on animal behaviour, is an introduction to the normal behaviour of dogs and cats. It also includes a 4-week basic dog obedience class.
Prerequisite: Admission to the Animal Health Technology program

ANHT 151
Veterinary Terminology (1,0,0) 1 credit

This one semester course will provide the student with the ability to define, pronounce and spell veterinary medical terms. Topics include work analysis for easier understanding, veterinary medical records and correct use of terminology.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 152
Animal Nursing 1 (2,0,1)(L) 2 credits

This four semester course covers a variety of aspects in the nursing care of small animals ranging from basic animal restraint to more technical diagnostic and medical procedures such as cystocentesis and necropsy. The focus of this course, however, is on day to day procedures performed by a technologist in a veterinary clinic.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 153
Introductory Veterinary Immunology (2,0,0) 2 credits

Topics covered in this course include non-specific and specific immune responses, antibodies and antigens, vaccination procedures, hypersensitivities and auto-immunity.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 154
Veterinary Office Management (2,0,0) 2 credits

This course is to familiarize the student with business aspects of a veterinary practice. The course will examine various non-medical functions within the practice and give the student an opportunity to become proficient in these functions.
Prerequisite: Admission to the Animal Health Technology Program.

ANHT 155
Computer Applications for Animal Health Technologists (0,0,2)(L) 1 credit

This course is designed to introduce the student to a wide variety of computer applications, and to be familiar and comfortable with their usage.
Prerequisite: Admission to the Animal Health Technology Program.

ANHT 156
Pharmacology (3,0,0) 3 credits

A lecture course outlining the various classifications and use of drugs utilized in veterinary practice.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 159
Domestic Animal Anatomy and Physiology 1 (2,0,2)(L) 3 credits

A basic course in the clinically relevant areas of anatomy and physiology of domestic animals. Topics include the nervous system, sense organs, musculoskeletal system, respiratory system, skin and associated structures, circulatory system, digestive system, genitourinary system, and endocrine system.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 162
Animal Nursing 2 (1,0,1) 1 credit

A continuation of Animal Nursing 1.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 169
Domestic Animal Anatomy and Physiology 2 (2,0,2)(L) 3 credits

A continuation of ANHT 159.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 172
Veterinary Clinical Pathology for AHT's 1 (4,0,2)(L) 3 credits

This course is intended to introduce the Animal Health Technology student to how clinical veterinary disease is diagnosed using laboratory techniques. The course will focus on principles of Haematology and Clinical Chemistry. These principles will then be applied to methods used to diagnose disease in the major body organs.
Prerequisite: Acceptance into the Animal Health Technology program.

ANHT 173
Veterinary Clinical Pathology for AHT's 2 (4,0,2)(L) 3 credits

This course is a continuation of ANHT 172. It is intended to introduce the Animal Health Technology student to how clinical veterinary disease is diagnosed using laboratory techniques. The course will focus on principles of Haematology and Clinical Chemistry. These principles will then be applied to methods used to diagnose disease in the major body organs.
Prerequisite: ANHT 172

ANHT 180
Parasitology (2,0,2)(L) 3 credits

Life cycles, control and identification of the common external and internal parasites of companion and food producing animals.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 199
Animal Behaviour 2 (1,0,0) 1 credit

Animal behaviour is a growing field in Veterinary Medicine. This course will give the AHT student the skills needed to feel comfortable dealing with animal behaviour issues such as training methods, behaviour problems and animal temperament assessment.

This course, a continuation of Animal Behaviour 1, further develops the student's awareness, knowledge and skills in applied animal behaviour. The format of this one hour course will alternate between lecture and seminar/demonstration as the need arises.
Prerequisite: ANHT 109

ANHT 209
Animal Behaviour 3 (1,0,0) 1 credit

Animal behaviour is a growing field in Veterinary Medicine. This course will give the AHT student the skills needed to feel comfortable dealing with animal behaviour issues such as training methods, behaviour problems and animal temperament assessment.

This course, a continuation of Behaviour 1 and 2, continues to develop the student's knowledge and skills in applied animal behaviour. The emphasis in the theory component in this course is an in-depth study of specific common behaviour problems in dogs and cats. The practical component in the course may include guest speakers, field trips, case studies and advanced dog training skills.
Prerequisite: ANHT 199

ANHT 220
Clinical Practicum 4 (Two 3 week periods) 6 credits

Students will spend a total of 6 weeks working in two private veterinary practices, or if applicable, may be allowed to do speciality practicums for a portion of this period.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 251
Anaesthesia (3,0,3)(L) 3 credits

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.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 252
Clinical Practicum 1 (0,0,3) 1 credit

The student will present a clinical case to the class. Students will also work on and identify unknown blood, urine and bacteriology samples.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 253
Large and Small Animal Diseases (2,0,0) 2 credits

An introduction to some of the common disease syndromes encountered in companion and food producing animals. Ruminant, Equine, Porcine, Canine and Feline diseases are discussed. Each disease is discussed according to etiology, symptoms, pathophysiology, clinical treatment and necropsy.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 254
Large Animal Sciences (3,0,0) 3 credits

An introduction to the husbandry of domestic farm animals. Basic genetic principles will also be covered.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 255
Large Animal Clinics (0,0,3)(L) 1 credit

Introduction to the care and management, confinement, restraint, and examination of farm animals. The student will become familiar with routine techniques - including Equine, Bovine, Ovine, Porcine and Avian species. Post mortem examinations and tissue sampling will be included.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 257
Surgical Assistance 1 (2,0,3)(L) 3 credits

The course covers the preparation of surgical instruments, operating room and patient. The most common surgical procedures in veterinary practice are carried out to allow the student to gain experience in assisting with surgery.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 258
Radiology 1 (1,0,3)(L) 2 credits

An introduction to the principles of radiology and radiographic technique in various species of animals.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 259
Animal Nursing and Ward Care 3 (1,0,1)(L) 1 credit

A continuation of Animal Nursing 1 and 2.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 260
Field Work Experience (0,0,4) 2 credits

This course consists of weekly guest speakers and/or tours, and a full week of off campus tours in the Spring.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 261
Theriogenology (1,0,0) 1 credit

The reproductive cycles involving breeding, fertility, artificial insemination, parturition and reproductive diseases of domestic animals are covered in a combination of lectures, demonstrations and practical experience.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 262
Animal Nursing and Ward Care 4 (1,0,1)(L) 1 credit

A continuation of Animal Nursing 3.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 263
Clinical Practicum 2 (0,0,3) 1 credit

A continuation of ANHT 252.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 264
Anaesthesia and Intensive Care (3,0,3)(L) 3 credits

A continuation of ANHT 251 including specialized anaesthetic techniques, veterinary intensive care and fluid therapy.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 265
Large Animal Clinics 2 (0,0,3)(L) 1 credit

A continuation of ANHT 255. Demonstrations and practical experience including field trips to local production units. Included will be guest lectures on wildlife management, meat hygiene and health of animals techniques.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 267
Surgical Assistance 2 (2,0,3)(L) 3 credits

A continuation of ANHT 257.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 268
Radiology 2 (1,0,3)(L) 2 credits

A continuation of ANHT 258 but including more specialized radiographic techniques such as contrast studies.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 269
Laboratory Animals (1,0,0) (1,0,1)(L) 2 credits

This course is designed to introduce the student to the restraint and handling of common exotic pet and laboratory animal species. Discussion will be held involving research, vivisectionism and animal welfare.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 270
Communications for Animal Health Technologists (1,0,0) 1 credit

This course is designed to develop the student's skills in verbal and non verbal communications that she/he needs when dealing with clients. The course will also cover aspects of professional deportment and ethics.
Prerequisite: Admission to the Animal Health Technology program.

ANHT 299
Animal Behaviour 4 (1,0,0) 1 credit

Animal behaviour is a growing field in Veterinary Medicine. This course will give the AHT student the skills needed to feel comfortable dealing with animal behaviour issues such as training methods, behaviour problems and animal temperament assessment.

This course, the fourth of a series on the subject of applied animal behaviour, focuses on the integration of animal behaviour into small animal veterinary practice with an emphasis on the role of the AHT. The course will have a 'problem based learning' format, whereby much of the material covered in the course would be case-based with groups of students researching and reporting specific cases.
Prerequisite: ANHT 209

Animal Health Technology Distance Education

ANHD 101
Veterinary Office Skills - 3 credits

This course will offer instruction in skills necessary for the successful performance of Veterinary Receptionist duties. These will include Veterinary Terminology, use of Veterinary software packages, Client service, Veterinary Office Management and Inventory management. The course will also cover the ethics of Veterinary Practice as it pertains to drug dispensing, veterinary-client-patient relationships and client-patient records.
Prerequisite: Admission into year one of the TRU Animal Health Technology Distance Education Program

ANHD 110
Anatomy and Physiology 1 - 3 credits

This is the first of two Anatomy and Physiology courses dealing with domestic animals. The course emphasizes clinically relevant material for the AHT student.
Prerequisite: Admission into year one of the TRU Animal Health Technology Distance Education Program

ANHD 111
Laboratory Procedures 1 - 3 credits

This is the first of four courses in Laboratory Procedures for the veterinary technician. The main emphasis of this course is Veterinary Parasitology. The student will also become acquainted with the handling of various types of laboratory samples and be introduced to basic microscopy.
Prerequisite: Admission into second semester of year one of the TRU Animal Health Technology Distance Education Program

ANHD 112
Animal Nursing 1 - 3 credits

This is the first of three Animal Nursing courses, dealing with nursing care of small companion animals. The emphasis of this section is on practical nursing skills and technical procedures.
Prerequisite: Admission into the second semester of year one of the TRU Animal Health Technology Distance Education Program

ANHD 113
Animal Behaviour - 3 credits

Animal behavior is a growing field in Veterinary Medicine. This course will give the AHTDE student the skills needed to feel comfortable dealing with animal behaviour issues such as training methods, behaviour problems and animal temperament assessment. The course will emphasize the role of the RAHT in offering animal behaviour counseling in a small animal veterinary practice setting.
Prerequisite: Admission into the third semester of year one of the TRU Animal Health Technology Distance Education Progam

ANHD 114
Animal Disease - 3 credits

This course will begin with the immunological basis of disease and then introduce some of the common disease syndromes encountered in companion and food producing animals. Topics will 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: Admission into the third semester of year one of the TRU Animal Health Technology Distance Education Program

ANHD 190
Veterinary Clinical Studies 1 - 5 credits

Veterinary Clinical Studies is a sequence of required courses in the AHTDE program. Each course will correspond with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into the corresponding semester of the AHTDE program

ANHD 191
Veterinary Clinical Studies 2 - 5 credits

Veterinary Clinical Studies is a sequence of required courses in the AHTDE program. Each course will correspond with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into the corresponding semester of the AHTDE program.

ANHD 192
Veterinary Clinical Studies 3 - 5 credits

Veterinary Clinical Studies is a sequence of required courses in the AHTDE program. Each course will correspond with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into the corresponding semester of the AHTDE program.

ANHD 210
Anatomy and Physiology 2 - 3 credits

A continuation of ANHD 110. This course will focus on internal body systems and avian anatomy and physiology.
Prerequisite: Admittance into the second semester of year two of the TRU Animal Health Technology Distance Education Program

ANHD 211
Laboratory Procedures 2 - 3 credits

This course is a continuation of ANHD 111. In this course the topic of Haematology will be emphasized. Topics will include the proper collection and handling of blood specimens. The preparation of blood smears, the ability to perform complete blood counts, the analysis of blood cells and blood serum, the proper submission of blood specimens to other laboratories and the familiarization of the variety of blood tests that are available will be covered.
Prerequisite: Admittance into the first semester of year two of the TRU Animal Health Technology Distance Education Program

ANHD 212
Animal Nursing 2 - 3 credits

A continuation of ANHD 112 - Animal Nursing 1. Advanced animal nursing skills will be emphasized including Surgical Assistance.
Prerequisite: Completion of ANHD 112 and admittance into the second semester of year two of the TRU Animal Health Technology Distance Education Program

ANHD 213
Radiology - 3 credits

This course is a combination of theory and practical application that will enable the student to understand and apply the basic principles of veterinary radiography. Hands-on clinical work will allow the student to become familiar with the proper preparation and positioning of companion animals for routine radiological studies. The course will also include basic equine radiographic positioning, dental radiography, technical errors, basics of unltrasonography, formulating technique charts and contrast radiography. The importance of radiographic safety will be stressed throughout the entirety of this course.
Prerequisite: Admittance into the third semester of year two of the TRU Animal Health Technology Distance Education program

ANHD 214
Pharmacology and Laboratory Mathematics - 3 credits

This course will familiarize the student with basic pharmacology and the commonly used classes of veterinary drugs. The student will learn the various laws and regulations that accompany the privilege of prescribing and dispensing drugs. The principles of major classes of drugs along with some examples in each category will be covered. The course will also provide the student with an understanding of the principles and techniques of mathematics used in their field of work. The emphasis is on calculating dosages including continuous intravenous infusion and on dilution of solutions.
Prerequisite: Admittance into the third semester of year two of the TRU Animal Health Technology Distance Education program

ANHD 221
Laboratory Procedures 3 - 3 credits

ANHD 221 is an introductory microbiology course for the purpose of familiarizing the student with the information, terminology, and techniques that are the basis of veterinary microbiology. Topics will 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 used to identify common veterinary pathogens.
Prerequisite: Admittance into the first semester of year two of the TRU Animal Health Technology Distance Education Program

ANHD 290
Veterinary Clinical Studies 4 - 5 credits

Veterinary Clinical Studies is a sequence of required courses in the AHTDE program. Each course will correspond with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into the corresponding semester

ANHD 291
Veterinary Clinical Studies 5 - 5 credits

Veterinary Clinical Studies is a sequence of required courses in the AHTDE program. Each course will correspond with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into the corresponding semester

ANHD 292
Veterinary Clinical Studies 6 - 5 credits

Veterinary Clinical Studies is a sequence of required courses in the AHTDE program. Each course will correspond with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into the corresponding semester

ANHD 311
Laboratory Procedures 4 - 3 credits

This is a continuation of ANHD 211. In this course the topics of Clinical Chemistry and Urinalysis will be emphasized. The student will be introduced to how clinical veterinary disease is diagnosed using laboratory techniques. A major emphasis will be placed on the student's ability to ensure quality control and their ability to monitor the output of the laboratory techniques and determine if in fact the test results "make sense" and are not a result of poor circulation, machine malfunction, reagent quality or technician error.
Prerequisite: Admittance into the second semester of year three of the TRU Animal Health Technology Distance Education program

ANHD 312
Intensive Care - 3 credits

This course will allow the student to develop a familiarity with special anaesthetic protocols which may be required for certain patients as well as knowledge and skills for the various procedures and equipment that are required in the trauma and emergency patient.
Prerequisite: Admittance into the third semester of year three of the TRU Animal Health Technology Distance Education program

ANHD 314
Anaesthesia - 3 credits

This course will allow the student to develop a familiarity and competence with the various anaesthetic/analgesic agents and equipment utilized in veterinary medicine and their use in various species.
Prerequisite: Admittance into the first semester of year three of the TRU Animal Health Technology Distance Education Program

ANHD 315
Laboratory Animals - 3 credits

This course is designed to introduce the student to the restraint and handling of common exotic pet and laboratory animal species. Topics will include the use of animals in research, vivisectionism and animal welfare.
Prerequisite: Admittance into the third semester of year three of the TRU Animal Health Technology Distance Education program

ANHD 316
Large Animal Science - 3 credits

This course is an introduction to the husbandry of domestic farm animals. Topics that will be covered will include nutrition, genetics, animal welfare issues, housing and general daily care. An emphasis will be placed on personal safety, proper animal restraint, methods of animal confinement and examination techniques.
Prerequisite: Admittance into the second semester of year three of the TRU Animal Health Technology Distance Education program

ANHD 317
Animal Nursing 3 - 3 credits

This course is a continuation of ANHD 212 - Animal Nursing 2. Advance animal nursing skills will be emphasized including surgical assistance.
Prerequisite: Admittance into the first semester of year three of the TRU Animal Health Technology Distance Education Program

ANHD 390
Veterinary Clinical Studies 7 - 5 credits

Veterinary Clinical Studies is a sequence of required courses in the AHTDE program. Each course will correspond with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into the corresponding semester

ANHD 391
Veterinary Clinical Studies 8 - 5 credits

Veterinary Clinical Studies is a sequence of required courses in the AHTDE program. Each course will correspond with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into the corresponding semester

ANHD 392
Veterinary Clinical Studies 9 - 5 credits

Veterinary Clinical Studies is a sequence of required courses in the AHTDE program. Each course will correspond with one of the nine semesters in the AHTDE program.
Prerequisite: Admittance into the corresponding semester

Animal Welfare

AWCP 170
General Animal Welfare - 3 credits

This course is intended for employees of animal care facilities who are relatively new to the organization. Some material directly pertaining to the BCSPCA is included but all of the information can be utilized by a student interested in animals and the animal humane movement. The modules in the course include topics such as Animal Care, Legal Issues, Human Conflict Resolution, the Business of Running a Shelter, Safety in the Workplace and Humane Education.

AWCP 171
Advanced Animal Welfare - 3 credits

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 171 without taking AWCP 170. 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.

Anthropology

ANTH 111
Human Origins (2,1,0) 3 credits

An introduction to the anthropological study of human origins. The course addresses the distinction between mythical and scientific explanations of the emergence of animal and human life. It outlines the basic principles of evolution and reviews the major stages of human prehistory. Although some attention is paid to the interplay between biology and culture, the course is designed for social science students who may lack extensive knowledge of biology.
Prerequisite: None

ANTH 119
Introduction to Archaeology (2,1,0) 3 credits

An introduction 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 will gain an appreciation of what the past was like, what archaeological data are, and how archaeology is used to answer questions about the human condition.
Prerequisite: None

ANTH 121
Introduction to Cultural Anthropology (2,1,0) 3 credits

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.
Prerequisite: None

ANTH 214
Canadian Native Peoples (2,1,0) 3 credits

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.
Prerequisite: ANTH 121 recommended but not required

ANTH 215
Cultural Explorations (2,1,0) 3 credits

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.
Prerequisite: ANTH 121 recommended but not required

ANTH 216
Ancient Civilizations (2,1,0) 3 credits

This is an introductory course offering students a broad survey of the archaeology of ancient, pre-industrial, Old World and New World civilizations. The course includes an overview of basic theoretical and methodological concepts in archaeology, emphasizing classical (historic) archaeology. The topics of study include the origins of urbanism; early systems of writing; the earliest civilizations of Mesopotamia, Egypt, the Indus Valley, and China; the classical civilizations of the Mediterranean; and the early Mesoamerican and Andean states.

ANTH 219
Ancient North Americans (3,0,0) 3 credits

A survey of the archaeological evidence for prehistoric colonization of North America, the expansion of Paleo-Indian hunters, the adaptations of archaic hunter-foragers to post-Ice Age environments, the origins of farming and village life, and the rise and fall of complex chiefdom societies. The course examines how technological innovations, population growth, natural resources, and social and ideological factors influenced the various cultural developments in different regions of North America.
Prerequisite: ANTH 119 recommended but not required

ANTH 223
Indians of British Columbia 2 (2,1,0) 3 credits

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.
Prerequisite: An intro course in Anthropology recommended.

ANTH 225
Sex, Gender and Culture (2,1,0) 3 credits

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.
Prerequisite: ANTH 111/121 recommended but not required

ANTH 233
Old World Archaeology (2,1,0) 3 credits

This course offers a broad survey of prehistoric archaeology of the Old World. Through the exploration or archaeological evidence, students will 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.
Prerequisite: ANTH 111 or ANTH 119 recommended

ANTH 260
Minorities in the Modern World (2,1,0) 3 credits

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.
Prerequisite: ANTH 111/121 recommended but not required

ANTH 300
Current Issues in Cultural Anthropology (3,0,0) 3/6 credits

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 121

ANTH 303
Ethnography of Special Areas: Central and Eastern Europe (3,0,0) 3/6 credits

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.
Prerequisite: ANTH 121 or SOCI 111/121

Note: Different culture areas or regions may be selected in subsequent offerings of the course.

ANTH 305
Theory in Archaeology (2,1,0)(2,1,0) 3/6 credits

Overview of major theoretical and methodological issues in archaeology, involving a history of archaeological thought, the formulation of research designs, and how archaeology fits into science. The student will gain an understanding of the general characteristics of the archaeological data base, and what paradigms, theories, and methods are used to address archaeological problems in culture, history, settlement, ecology, and technological change.
Prerequisite: ANTH 119 or ANTH 111 or ANTH 219 recommended but not required

ANTH 306
Summer Field Training in Archaeology (L) 6 credits

Intensive training in excavation techniques, and interpretation, including mapping procedures, recording preliminary analysis, and reporting. Students will participate in an excavation for the Summer session and will use this field experience as a basis for lectures, discussion, and reports. Lab Fee required.
Prerequisite: ANTH 119 or 219, and 305 or 420, or permission of instructor

ANTH 312
Gender Relations (3,0,0)(3,0,0) 3/6 credits

The nature of gender relations, their social and cultural expression, and theories of gender inequality drawn from anthropological or sociological research. (Same course as SOCI 312)
Prerequisite: SOCI 111/121 or the permission of the instructor.

Note: Same course as SOCI 312

ANTH 326
Environmental Archaeology (2,2,0) 3 credits

This course examines the ways in which archaeologists reconstruct past environments and the relationships between humans and important environmental resources and variables. Interdisciplinary data recovery and analysis methods from geology, soil sciences, botany, zoology, chemistry, physics, and ecology, have resulted in new specialties in archaeology, including zooarchaeology, paleobotany, raw material sourcing, geophysical and geomorphical analysis, paleoenvironmental reconstruction, and seasonality studies. Their applications will be illustrated by examples from the Paleolithic, through classical civilizations, to urban archaeology.
Prerequisite: ANTH 111 or ANTH 119 or ANTH 219; GEOL 111; GEOG 112 and GEOL 205 recommended

ANTH 327
First Nations Natural Resource Management (2,1,0) 3 credits

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.
Prerequisite: ANTH 121

ANTH 339
Special Topics in Anthropology (2,1,0) 3 credits

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 400
History of Anthropology (3,0,0) 3/6 credits

The development of the major approaches in anthropology in their institutional contexts.
Prerequisite: ANTH 121 and ANTH 111 or 119

ANTH 401
Native Peoples of North America (3,0,0) 3/6 credits

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 121 or permission of instructor

ANTH 403
Field School in East/Central Europe (3,0,0) 6 credits

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.
Note: Same course as SOCI 403

ANTH 404
Peoples and Cultures of the North American Arctic (2,1,0) 3 credits

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.
Prerequisite: ANTH 121 and third or fourth-year standing in Arts

ANTH 405
Canadian Status/Treaty Indian Reserve Communities (2,1,0) 3 credits

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.
Prerequisite: ANTH 121 and third or fourth-year standing in Arts

ANTH 406
Cultural Resource Management (2,1,0) 3 credits

This course explores the practical, theoretical, social, and legal issues of cultural resource management archaeology, including the origins and application of heritage legislation within Canada, the United States, and abroad. Topical issues on contract archaeology, public archaeology, aboriginal heritage, and avocational archaeological societies are incorporated.
Prerequisite: ANTH 111 or 119

ANTH 411
Prehistory of a Special Area in the New World 3/6 credits

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.
Prerequisite: ANTH 119 or 219 or 305 or 420 or permission of instructor

Note: Generally taught as companion course to ANTH 306

ANTH 415
Religion and Society (3,0,0) 3/6 credits

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 121 or SOCI 111/121

Note: SOCI 111/121 means not either/or, but both.

ANTH 420
Archaeology of British Columbia (3,0,0) 3/6 credits

An advanced study of the prehistoric archaeology of interior or coastal Indians. A critical analysis of the archaeological evidence and interpretations of prehistoric cultural developments from selected field studies.
Prerequisite: ANTH 119 or 219, or permission of instructor.

ANTH 433
Directed Studies 3/6 credits

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 460
Cultural Ecology and Cultural Evolution (3,0,0) 3/6 credits

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.

Applied Business Technology

ABTS 110
Word Processing 1 (45 hours)

This course is designed to teach the basic functions of a word processing program as well as teach the proper format of documents such as letters and memoranda. Although this course uses Microsoft Word, many of the skills obtained are generic and can be transferred to most word processing packages.
Prerequisite: ABTS 120

ABTS 111
Word Processing 2 (45 hours)

This course is a continuation of Word Processing 1. The course will cover additional instruction and practice with letter styles, tables, charts and reports, plus many advanced features of word processing software such as merge, macros, outlines, graphics and styles.
Prerequisite: ABTS 110

ABTS 112
Desktop Publishing (50 hours)

This is an advanced course in word processing. Students are encouraged to produce documents suitable for inclusion in their own portfolio.
Prerequisite: ABTS 111

ABTS 113
Keyboarding 1 (45 hours) – Online Only

The course provides the learner with the necessary techniques to keyboard accurately at a minimum of 25 wpm using the alpha and numeric keyboard.
Prerequisite: ABTS 155

ABTS 114
Keyboarding 2 (35 hours)

This course is designed to develop speed and accuracy on the computer through drills and regular speed tests.
Prerequisite: Students should be able to keyboard at the required prerequisite words per minute on a five-minute timing for their chosen program.

ABTS 120
Introduction to Computers (30 hours)

This course introduces students to computers, the internet, and the windows operating system. Students will 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

ABTS 121
Spreadsheets 1 (25 hours)

An introductory course to familiarize the student with the concepts, operation, and applications of an electronic spreadsheet. The student will have the opportunity to do hands-on training and then apply his/her knowledge to business applications.
Prerequisite: ABTS 120

ABTS 122
Spreadsheets 2 (25 hours)

This course is a continuation of ABTS 121 – Spreadsheets 1 which introduced electronic spreadsheets. Intermediate topics are introduced and students will apply their knowledge to more challenging business applications.
Prerequisite: ABTS 121

ABTS 123
Databases (31 hours)

This is an introductory course designed to familiarize students with the concepts and applications of an electronic database.
Prerequisite: ABTS 120

ABTS 124
Presentation Software (20 hours)

Using PowerPoint Presentation Software, students will apply appropriate design concepts to present data and information in a colourful and well-organized format. Students will learn how to use design templates, apply various attributes and include a variety of objects to create, modify, save and deliver presentations.
Prerequisite: ABTS 120

ABTS 125
Office Integration Project (10 hours)

This is a Capstone Project where students create a multi-media project using the Integration feature of Microsoft Office.

ABTS 130
Business Communications 1 (67 hours)

This course provides the learner with a comprehensive, up-to-date, and relevant review in the use of correct English grammar, punctuation, spelling and writing skills. Each segment is reinforced by exercises, assignments, and tests which provide practice in applying these principles. Good communication skills are essential to a successful career in a business environment.

ABTS 131
Business Communications 2 (50 hours)

Students will compose and write business communications incorporating effective letter and report writing techniques, correct grammar, punctuation, and spelling. Oral communication is also an integral part of the course.
Prerequisite: ABTS 130

ABTS 140
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 receivable, notes receivable, inventory, capital assets, current liabilities, long-term liabilities, corporate accounting, cash flow statement, and financial statement analysis.

ABTS 140 is identical to ACCT 100, but with the addition of a number of practical simulations.
Prerequisite: Admission to the Administrative Assistant Program

ABTS 141
Computerized Accounting - Simply Accounting (52 hours)

This course offers a hands-on introduction to maintaining accounting records using Simply Accounting which is a completely integrated accounting software package particularly suitable for the small business. Students will set up the accounting records and complete a variety of transactions (general ledger, receivables, payables, payroll, and perpetual inventory) in several simulations. Statements will be electronically transferred to a spreadsheet for further processing.
Prerequisite: ABTS 140 and ABTS 120

ABTS 142
Computerized Accounting – ACCPAC (52 hours)

This course introduces students to ACCPAC Advantage (G/L, A/R & A/P modules) – a relatively sophisticated semi-integrated accounting software package. Several simulations are completed covering: setup of a general ledger, common services, accounts receivable, and accounts payable. Transaction processing in all three modules is covered using both narratives and source documents.
Prerequisite: ABTS 120, ABTS 140

ABTS 143
Accounting 1 – Online Only (60 hours)

This course provides the student with an introduction to manual accounting. Emphasis is on fundamental accounting principles and their application.
Prerequisite: ABTS 155; ABTS 145 recommended

ABTS 144
Accounting 2 – Online Only (90 hours)

This course is an intermediate approach to manual accounting. This 90 hour course is designed to provide additional knowledge in common accounting systems including sales, purchases, taxes, inventory, and payroll.
Prerequisite: ABTS 155 and ABTS 143

ABTS 145
Business Math and Calculators (45 hours) – Online Only

This course is designed to provide a review of basic math skills specifically related to business documents and activities, and to develop operating techniques and skills in the use of electronic printing calculators.

ABTS 150
Human Relations (31 hours)

Students will learn to develop the skills and techniques necessary to promote good business and human relations required in today's modern office environment.

ABTS 151
Job Search (21 hours)

Students will participate in instructional sessions and activities involving preparation of resume and employment letters, job search strategies and interview techniques.

ABTS 152
Practicum (2 weeks)

During the practicum, the student will have the opportunity to apply their skills and knowledge to meet the expectations of the employer in a real work situation. The students will be observing and learning daily office routines and assisting the host employer by performing tasks as required.
Prerequisite: Successful completion of all courses and a keyboarding speed of 40 wpm

ABTS 153
Administrative Procedures (40 hours)

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 be able to apply their skills in an office setting.
Prerequisite: Keyboarding speed minimum 25 wpm, Business English and Word Processing 1

ABTS 154
Records Management – Online Only (35 hours)

This course provides the student with an introduction to handling and management of files in an office – both electronic and paper.
Prerequisite: ABTS 155 and ABTS 110

ABTS 155
Online Learner Success (15 hours) – Online Only

This course is designed to introduce the learner to the skills necessary to be a successful learner in the online environment. Upon completion of the course the learner will: create, send, and reply to e-mails; use basic internet skills; access WebCT; use the bulletin board and chat in WebCT.

Applied Science

APSC 120
Introduction to Engineering (1,0,0) 1 credit

This course uses guest speakers, videotaped material and field trips to provide students with an orientation to a career as a professional engineer.
Prerequisite: Admission to Engineering Transfer Program

Architectural and Engineering Technology

ARET 110 (formerly EDDT 110)
Graphical Communication (2,1,2)(L) 3 credits

This course involves the fundamentals of basic drawing and hand sketching, with emphasis on drawing skills, conventions, techniques, layout and representation theory.
Prerequisite: Admission to the Architectural and Engineering Technology program

ARET 111
Computer Aided Design and Drafting 1 (2,0,2)(L) 2 credits

Upon completion the successful student will have developed the fundamentals in the use of Computer aided drafting through the use of microcomputers and the AutoCAD software. The successful student will be able to create, edit and plot drawings as well as perform file management functions. Topics will include display commands, creating 2D geometry, editing 2D geometry, managing object properties, CAD construction techniques, creating text, introduction to Blocks, dimensioning, cross-hatching, page set-up and plotting.
Prerequisite: Admission to the Architectural and Engineering Technology program or written consent of the Chairperson

Corequisite: ARET 110

ARET 112
Introduction to Architectural Representation (1,1,0)(L) 2 credits

This course will introduce the student to the basics of creating architectural drawings using Autodesk software. The student will become proficient at creating basic floor plans, sections and elevations. Using the current architectural software, the student will create custom door and window objects. The course will allow the student to design a 3D building model and generate the 2D plans that the construction industry requires.
Prerequisite: Admission to the Architectural and Engineering Technology program or written consent of the Chairperson

Corequisite: ARET 110, ARET 111, ARET 120

ARET 120 (formerly EDDT 162)
Materials and Applications 1 - Specifications (3,1,0)(L) 3 credits

This course introduces the student to some of the more common materials and methods applied in contemporary building construction. Lectures will include an introduction to contract documents (specifications and working drawings), the advantages and limitations of the various types of contracts, bidding procedure using bid depository regulations, and the types of bonds most currently in use.
Prerequisite: Admission to the Architectural and Engineering Technology program or written consent of the Chairperson

Corequisite: ARET 111

ARET 130 (formerly EDDT 160)
Building Technology 1 (3,2,3)(L) 3 credits

This course introduces the student 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.
Prerequisite: ARET 110, ARET 111

Corequisite: ARET 120

ARET 140 (formerly EDDT 140)
Civil Technology 1 (4,1,2)(L) 3 credits

This course is an entry level course into the field of Civil Engineering Design and Drafting. The course includes subdivision mapping, survey computations, plotting from field notes, traverse and field calculations. The student will use Autodesk Civil 3D software to create a subdivision plan complete with horizontal and vertical alignments and cross-sections
Prerequisites: Admission to the Architectural and Engineering Technology program or written consent of the Chairperson

ARET 141 (formerly EDDT 199)
Construction Surveying (60 hours)(L) 3 credits

An introduction to the basic techniques of surveying.
Prerequisite: ARET 140

ARET 150 (formerly EDDT 181)
Building Electrical Design (2,0,1)(L) 2 credits

Fundamentals of building electrical systems design, involving a detailed analysis of the Canadian Electrical Code, electrical engineering design practices, and commercial electrical drawing production.

On completion of this course the successful student will be able to interpret electrical code requirements and apply those requirements; utilizing good engineering practice, to the development of a residential building electrical design and the creation of electrical working drawings.
Prerequisite: Admission to the Architectural and Engineering Technology program or written consent of the Chairperson

ARET 151 (formerly EDDT 182)
Building Lighting Design (3,0,0) 3 credits

Fundamentals of building lighting systems design, involving introduction to the Illuminating Engineering Society of North America (IES) engineering design calculation methods. In addition, the concepts of quantity and quality of illumination will be discussed.

On completion of this course the successful student will be able to determine the illumination requirements of a building through the utilization of the IES calculation methods and apply those requirements; utilizing good engineering practice, to the development of a commercial building lighting design and the creation of lighting layout sketches through classroom assignments.
Prerequisite: Successful completion of ARET 150 or written consent of the Chairperson

Astronomy

ASTR 114
Introductory Astronomy: The Solar System (3,0,0) 3 credits

This is a general interest introductory 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.
Note: Students cannot receive credit for both ASTR 113 and ASTR 114.

ASTR 115
Introductory Astronomy: Stars and Galaxies (3,0,0) 3 credits

This is a general interest introductory 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 330
Topics in Astrophysics (3,0,3*) 3 credits

This course presents selected topics in stellar and galactic astrophysics at a level suitable for an upper level science student. Topics include telescopes, observing techniques and data reduction, stellar properties, stellar evolution, galactic kinematics and dynamics, and external galaxies. A three-hour laboratory will take place every other week. Use of the campus observatory will occur on a regular basis.
Prerequisite: PHYS 115/125 or PHYS 110/120, MATH 113/123 or MATH 114/124, MATH 211

Biology

BIOL 050
General Biology (5,0,2) 4 credits

ABE – Advanced: This course introduces students to the fundamentals of biology with emphasis on the inter-relationship among living organisms. It includes a brief study of the cell and related chemistry, evolution and ecology, classification, and a brief survey of the domains, kingdoms, and major phyla of living organisms. Fundamentals of plant and animal physiology are also introduced.
Note: This course is offered in Williams Lake.

BIOL 060
Human Biology (5,0,2)(L) 4 credits

ABE – Provincial: This course is a study of the major principles of molecular and cellular biology, from the nature of atoms and elements to the structure and function of molecules, cells, tissues, organs, and body systems. It includes an introduction to the processes of photosynthesis and cellular respiration, the basic principles of genetics, and the study of human anatomy and physiology. This course is designed for those students majoring in the Health Sciences.
Prerequisite: CHEM 050

Note: This course is taught by the University Preparation Department.

BIOL 062
Introduction to Life Sciences (5,0,2)(L) 4 credits

ABE – Provincial: This course is designed for students majoring in general sciences, general biology or entering the NRS program. The students will be introduced to the fundamentals of living systems, including plant/animal structure and function with emphasis placed on adaptation to changes in the environment. Laboratory work is intended to complement material covered in lectures.
Prerequisite: CHEM 050 or Chemistry 11

Note: This course is taught by the University Preparation Department.

Biology Note

BIOL 111/121 is designed for biology or science majors.

Students planning to take a General Science degree or to major in biology must take BIOL 111/121.

BIOL 109 is designed as an introductory science course for those who have taken no previous biology, and who do not intend to major in the sciences. This course is designed as a science elective for Arts majors. Students with prior credit for BIOL 109 will not receive credit for BIOL 104 or BIOL 105

NOTE: Credit will not be given for BIOL 109 and either BIOL 111 or BIOL 121.

BIOL 104
Biology of the Environment (3,0,3)(L) 3 credits

This first year biology course is designed for non-science students who have a keen interest in the environment. The first half of the course focuses on studying the underlying ecological principals that shape our world, and then moves on to discuss evolution and the biological diversity to which it leads. The discussion on the tremendous increase in human population growth leads into the second half of the course which identifies both renewable and non-renewable resources, and the effect that humans have had on these. Topics that will be discussed could include freshwater resources, forestry, 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 will enhance the learning experience. (Science students may not use this course for science credits.)
Prerequisites: First year standing at TRU

Note: Science students will not receive credit for BIOL 104. Students with prior credit for BIOL 109 will not receive credit for BIOL 104.

BIOL 105
Biology of Humans (3,0,3)(L) 3 credits

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 will learn about the molecules, cells and tissues that comprise the human body. Next they will study selected body systems, as well as some of the diseases that affect them. Cell division and cancer will be discussed, as well as the structure and function of DNA. This then leads into a discussion of inheritance, genetic diseases and finally genetic engineering. Labs will contribute to the understanding of this material by providing hands-on experience. Students will also participate in a group project to research a topic of their choice in relation to any human disease. (Science students will not receive credit for Biology 105).
Prerequisites: First year standing at TRU.

Note: Science students will not receive credit for BIOL 105. Students with prior credit for BIOL 109 will not receive credit for BIOL 105.

BIOL 111
Principles of Biology 1 (3,0,3)(L) 3 credits

This course is designed for biology or science majors. It is a study of the molecular basis of cellular processes including energy transfer and the storage and use of genetic information.
Prerequisite: Biology 11 or 12 or BIOL 050 or BIOL 060 or BIOL 062 with a C+ or better, Chemistry 11 or CHEM 050

BIOL 121
Principles of Biology 2 (3,0,3)(L) 3 credits

A survey of the kingdoms of life emphasizing their ecology and evolutionary relationships.
Prerequisite: Biology 11 or 12 with a C+ or better or BIOL 050 or 060 or 062 with a C+ or better, Chemistry 11 or CHEM 050

Note: Students will not receive credit for both BIOL 121 and BIOL 125 or for BIOL 121 and BIOL 125L

BIOL 125
Principles of Biology 2 – Distance (3,0,0) 3 credits

Principles of Biology II – Distance is a distance course that introduces some of the unifying principles of Biology. The course focuses on evolution and the biological diversity to which it leads. After a brief introduction to the naming and classification of organisms (systematics), we explore the diversity of life through a survey of the major groups of single celled organisms, plants, animals and fungi. We then identify some of the mechanisms of evolution and how these mechanisms can lead to the emergence of new species. Finally, we introduce some important concepts of ecology by examining the nature of populations, communities and ecosystems.
Prerequisite: Biology 11 or 12 with a C+ or better or BIOL 050 or 060 or 062 with a C+ or better, Chemistry 11 or CHEM 050

Note: Students will not receive credit for both BIOL 121 and BIOL 125 or for BIOL 121 and 125L.

BIOL 125L
Principles of Biology 2 – Laboratory (0,0,3)(L) 1 credit

This one week intensive lab course will run in the summer at TRU and is intended to complement the material covered in Biology 125 – Distance. Labs will cover the correct use of the microscope, how to make biological drawings, as well as familiarizing students with the major groups of organisms on Earth.
Prerequisites: Biology 11 or 12 with a C+ or better or BIOL 050 or 060 or 062 with a C+ or better, Chemistry 11 or CHEM 050.

Note: Students will not receive credit for both BIOL 121 and BIOL 125 or for BIOL 121 and 125L.

BIOL 159
Human Biology: Anatomy and Physiology 1 (3,0,2)(L) 3 credits

This course is intended primarily for students taking the Nursing and Respiratory Therapy programs. Space is also available for Academic students. The two-semester course covers both the anatomy and physiology of the human organ systems, emphasizing the relationship between structure and function.
Prerequisite: Biology 12 with a C+ minimum and Chemistry 11 or CHEM 050

Note: Students will not receive credit for both BIOL 159 and BIOL 354

BIOL 169
Human Biology: Anatomy and Physiology 2 (3,0,2)(L) 3 credits

A continuation of Biology 159.
Prerequisite: BIOL 159

Note: Students will not receive credit for both BIOL 169 and BIOL 355

BIOL 210
Introductory Microbiology 1 (3,0,2)(L) 3 credits

This course is designed to provide a broad introduction to the field of microbiology. Topics include: microbial anatomy and physiology, sterilization techniques, identification of bacteria, immunology, bacterial genetics, medial microbiology, applied microbiology, virology, parasitology, mycology.
Prerequisite: BIOL 111/121 or 111/125 and 125L (C minimum), CHEM 150/151 or CHEM 150/152

Corequisite: BIOL 213

BIOL 211
Non-Vascular Plants (3,0,3)(L) 3 credits

An evolutionary survey of the algae, fungi, lichens and bryophytes. The course examines the structure, function, reproduction and ecology of the various groups. Also examined is the importance of each group to the biosphere and humankind.
Prerequisite: BIOL 111/121 or 111/125 and 125L (C minimum)

BIOL 213
Cell Biology (3,1,0) 3 credits

A study of procaryotic and eucaryotic cells relating structure to function. Topics include instrumentation and techniques of study, molecules common in cells, organelles and cytoplasm, and the relationship between the nucleus and the cytoplasm.
Prerequisite: BIOL 111 (C minimum), CHEM 150/151 or CHEM 150/152

Corequisite: CHEM 212 recommended

BIOL 215
Invertebrate Zoology (3,0,3)(L) 3 credits

An evolutionary survey of invertebrate phyla. Special emphasis on morphological and systematic relationships in major phyla.

Note: There will be a field trip to the B.C. Coast.
Prerequisite: BIOL 111/121 or 111/125 and 125L (C minimum)

BIOL 220
Introductory Microbiology 2 (3,0,2)(L) 3 credits

A continuation of BIOL 210.
Prerequisite: BIOL 210

BIOL 221
Vascular Plants (3,0,3)(L) 3 credits

An evolutionary survey of the ferns, fern allies, gymnosperms and angiosperms. The course examines the structure, function, reproduction and ecology of the various groups. Also examined is the importance of each group to the biosphere and humankind.
Prerequisite: BIOL 111/121 or 111/125 and 125L (C minimum)

BIOL 225
Vertebrate Zoology (3,0,3)(L) 3 credits

This course will cover the development of the vertebrates from the Protochordates to the Mammals. Fundamental characteristics of the classes will be studied in relation to their evolution and function.

Note: There will be a 3 day field trip to the Vancouver area.
Prerequisite: BIOL 111/121 or 111/125 and 125L (C minimum)

BIOL 227
Field Ecology (125 hours)(L) 3 credits

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 234
Introduction to Genetics (3,1,0) 3 credits

A general survey of basic concepts in genetics. Particular emphasis is placed on classical Mendelian genetics, chromosomes and cytogenetics, bacterial genetics with an introduction to gene cloning methods, and the structure, regulation and mutation of genes.
Prerequisite: BIOL 111/121/213 or 111/125 and 125L/213 (C minimum)

BIOL 300
Biometrics (3,0,2)(L) 3 credits

Introduction to statistical procedures for biological research. Topics include estimation, hypothesis testing, goodness of fit, analysis of variance, and regression. The laboratory introduces computers and their use in graphical and statistical analysis.
Prerequisite: MATH 114/124 or MATH 115/125 and third year standing.

Note: Students may normally receive credit for only one of the following: BIOL 300, BUEC 232, MATH 120, PSYC 210, SOCI 271, SOCI 371, STAT 200

BIOL 302
Community & Ecosystem Ecology (3,1,0) 3 credits

An introduction to the principles of ecology with particular reference to the community and ecosystem levels of integration. Topics include community structure and dynamics, productivity, and mineral cycling.
Prerequisite: FRST 210 or two of BIOL 211/215/221/225 (C minimum)

BIOL 303
Population Biology (3,1,0) 3 credits

Introduction 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.
Prerequisite: FRST 210 or two of BIOL 211/215/221/225 (C minimum)

BIOL 310
Introduction to Animal Behaviour (3,0,2)(L) 3 credits

An examination of the biological basis of animal behaviour including the genetics and development of behaviour, mate choice, communication and social behaviour.
Prerequisite: BIOL 111/121 or 111/125 and 125L (C minimum). BIOL 215/225/234 recommended.

BIOL 313
Introduction to Biochemistry (3,0,0) 3 credits

Introduction to cellular chemistry. Structure and function of biological molecules including nucleic acids, enzymes and other proteins, carbohydrates, lipids and vitamins. Introduction to metabolic pathways and bioenergetics including DNA synthesis, transcription and translation, glycolysis, fermentation and respiration, oxidation of fatty acids, and photosynthesis.
Prerequisite: BIOL 213 (C minimum), CHEM 212 and 222

BIOL 320
Immunology (3,1,0) 3 credits

Tissues, cells and molecules of 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, immune system and cancer, AIDS, autoimmunity, hypersensitivity.
Prerequisite: BIOL 213 (C minimum)

BIOL 321
Microbial Ecology (3,0,0) 3 credits

This course is designed to provide an understanding of 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 will be emphasized.
Prerequisite: BIOL 210/220, BIOL 213 (C minimum), CHEM 212/222. BIOL 313/323, and BIOL 352 recommended.

BIOL 323
Biochemistry (3,0,0) 3 credits

A lecture course on the structure, function, synthesis and degradation of macromolecules (nucleic acids, proteins, lipids carbohydrates). In addition, the regulatory mechanisms involved in these processes will be covered.
Prerequisite: BIOL 313 (C minimum)

BIOL 324
The Systematics of Flowering Plants (2,0,3)(L) 3 credits

An introduction to seed plant taxonomy and systematics with historical and contemporary perspectives. The laboratory emphasizes descriptive morphology and identification of the local flora. Each student will be required to submit a plant collection of twenty-five specimens.

NOTE: Students planning on taking this course should contact the instructor early in the Summer, prior to the start of the course, to receive instruction on plant collecting techniques.
Prerequisite: BIOL 111/121 or 111/125 and 125L (C minimum). BIOL 221 strongly recommended.

Note: BIOL 324 is offered on alternate years.

BIOL 329
Ichthyology (3,0,3)(L) 3 credits

The systematics, anatomy, physiology, life history and ecology of freshwater and marine fishes. Students will learn to identify local freshwater fishes, as well as representative fish orders from around the world.
Prerequisite: BIOL 302 (C minimum)

Corequisite: BIOL 303

Note: This course is the same as NRSC 317

BIOL 331
Developmental Biology (3,0,3)(L) 3 credits

Animal development and its underlying principles; introductory embryology.
Prerequisite: BIOL 213 and 234 (C minimum)

Pre or Corequisite: BIOL 313 and 335

BIOL 335
Molecular Genetics (3,1,0) 3 credits

Isolation and identification of genes, analysis of gene structure; gene expression and its regulation in prokaryotes and in eukaryotes; developmental genetics.
Prerequisite: BIOL 213 and 234 (C minimum)

Pre or Corequisite: BIOL 313

BIOL 343
Plants and People (2,1,2)(L) 3 credits

The course includes an exploration of the human use of plants in the past, the present and the future. This will include the origins, evolution and dispersal of plants important to humankind, such as food crops, herbs and spices, medicinal and drug plants, ornamentals, etc. The social and economic implications of biotechnology and the ecological impact of our current loss of plant biodiversity will also be examined.
Prerequisite: Third year standing

Note: BIOL 343 is offered on alternate years

BIOL 351
Plant Physiology (3,0,3)(L) 3 credits

Mechanisms and regulation of functional processes contributing to the growth, assimilation, transport and utilization of water, nutrients and carbon by plants.
Prerequisite: BIOL 213 (C minimum)

BIOL 352
Cell Physiology (3,0,3)(L) 3 credits

The physiochemical basis for cellular activity, with particular emphasis on: energy relationships, functions of cell parts, integration and internal control of cellular activities and mechanisms of influence of external factors. The laboratory work will emphasize the techniques and apparatus used to study cell function.
Prerequisite: BIOL 313 (C minimum)

BIOL 354
Vertebrate Physiology 1 (3,0,3*)(L) 3 credits

This course will provide an introduction to the concepts, principles, and mechanisms that underlie our current understanding of vertebrate physiology. Students will 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.
Prerequisite: BIOL 213 (C minimum)

Pre or Corequisite: BIOL 313

Note: Students will not receive credit for both BIOL 354 and BIOL 159

*** Denotes labs alternate weeks**

BIOL 355
Vertebrate Physiology 2 (3,0,3*)(L) 3 credits

Examination of the systems that allow animals to maintain homeostasis under a variety of environmental conditions and levels of activity. Topics covered will include gas exchange, regulation of water balance and inorganic ions, digestion and absorption of food, and the regulation of metabolism.
Prerequisite: BIOL 354 (C minimum)

Note: Students will not receive credit for both BIOL 355 and BIOL 169

*** Denotes labs alternate weeks.**

BIOL 360
Current Issues in Biology (3,1,0) 3 credits

Designed as a science elective for Arts and Journalism students, this course will introduce students to the process of science and the scientific method in the context of three to five biologically-based issues that currently face society. The seminar in the course will be used to demonstrate techniques, for field trips and for discussion sessions.
Prerequisite: Third-year standing in an academic program

Note: Science students will not receive credit for BIOL 360

BIOL 398
Introduction to Research (0,1,0) 1 credit

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 will focus 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 will be 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 B.Sc. or BNRS Program

BIOL 402
Limnology (3,0,3)(L) 3 credits

Theoretical and applied aspects of limnology. Consideration of the ecology of inland water organisms in relation to physical, chemical and biological factors affecting their interactions and production. One weekend field trip required.
Prerequisite: BIOL 300, BIOL 302, BIOL 303 (C minimum)

Note: This course is the same as NRSC 326.

BIOL 409
Field Methods in Terrestrial Ecology (125 hours) 3 credits

A two-week intensive course in the field methods used to study terrestrial ecosystems. The course will typically be given immediately after exams in the Winter semester (usually late April or early May). Students will learn the field techniques needed for studies of terrestrial ecosystems and will carry out individual projects of their own design. Facilities such as the Wells Gray Education and Research Centre will be used and a fee will be assessed to meet living expenses.
Prerequisite: BIOL 300, 302, 303 (C minimum). BIOL 310 recommended.

Note: BIOL 409 is offered on alternate years.

BIOL 410
Field Methods in Marine Ecology (125 hours) 3 credits

A two-week intensive course in the field methods used to study marine ecosystems. The course will typically be given immediately after exams in the Winter semester (usually late April or early May). Students will learn field and laboratory techniques for sampling, experimentation, and analysis of marine organisms and ecosystems, and will carry out individual projects of their own design. Facilities such as the Bamfield Marine Station will be utilized, and a fee will be assessed to meet living expenses.
Prerequisite: BIOL 300, BIOL 302, BIOL 303 (C minimum). BIOL 215 recommended.

Note: BIOL 410 is offered on alternate years.

BIOL 411
Advanced Microbiology Lab (1,1,3) 3 credits

This course is designed to study the techniques of preservation, growth, quantification and monitoring of microbial cultures with the emphasis on large scale processes.
Prerequisite: BIOL 210/220, BIOL 213, CHEM 212/222, BIOL 311 (C minimum), BIOL 321 (recommended)

BIOL 413
Molecular Evolution (3,0,0) 3 credits

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 methods in the 1970's has had a lasting impact on our understanding of the process of evolution. This course focuses on how DNA sequence information is applied in an evolutionary context.
Prerequisite: BIOL 335 (C minimum)

BIOL 414
Evolution (3,0,0) 3 credits

Critical appraisal of the evidence for evolution; a consideration of the basic principles of natural selection and the nature and origin of species and higher categories.
Prerequisite: One of BIOL 215/225/211/221 and one of BIOL 302/303 (C minimum)

BIOL 415
Biochemical Techniques 1 (1,1,3)(L) 3 credits

A laboratory-based course introducing students to the techniques used to isolate and study enzymes and other proteins. Emphasis will be placed on development of basic laboratory skills in the context of isolating, purifying and analyzing a familiar bacterial enzyme, B-galactosidase.
Prerequisite: BIOL 323 (C minimum). BIOL 210/220 recommended.

BIOL 416
Principles of Conservation Biology (2,2,0) 3 credits

The theory and practice relating to the conservation of threatened organisms and their habitats. Topics covered will include: the genetics and demography of small and fragmented populations; global and local conservation problems; case histories of conservation of endangered animals and plants. Two compulsory weekend field trips.
Prerequisite: BIOL 303 (C minimum)

Note: Students will not receive credit for both BIOL 416 and NRSC 322

BIOL 421
Microbial Physiology (3,0,0) 3 credits

This course is designed to introduce the student 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 210/220, BIOL 313/323, BIOL 335. BIOL 352 recommended.

BIOL 425
Biochemical Techniques 2 (1,1,3)(L) 3 credits

A laboratory-based course introducing students to the techniques used to isolate and study nucleic acids (DNA and RNA). Emphasis will be placed on development of basic laboratory skills in the context of isolating, purifying and analyzing bacterial plasmids and genomic DNA, probing Southern blots for B-galactosidase coding sequences, DNA fingerprinting using restriction enzymes and PCR, and the isolation and detection of an mRNA and the protein it encodes.
Prerequisite: BIOL 313 and 335 (C minimum). BIOL 210/220/323/415 recommended.

BIOL 426
Plant Ecology (3,0,3) 3 credits

This course examines the ecology of plants at the scale of individuals, populations and communities. The ecological and physiological constraints of being a plant will be reviewed before exploring species interactions with the natural environment and with other species, and as well as plant community patterns in time and space. Other topics to be covered will include issues in plant conservation, community attributes such as productivity and diversity, and the influence of scale and heterogeneity on sampling design and analysis.
Prerequisite: One of either BIOL 211, 221, or FRST 210 and one of either BIOL 302 or 303.

BIOL 427
Terrestrial Vertebrate Zoology (2,0,3)(L) 3 credits

The natural origins, history and behavioral ecology of terrestrial vertebrates. The laboratory includes classification, life histories and ecology with emphasis on B.C. species. Field trips will be held throughout the semester, beginning in the late afternoon of the first scheduled day for the class.
Prerequisite: BIOL 225 (C minimum). BIOL 302 recommended.

BIOL 435
Regulation of Gene Expression (3,1,0) 3 credits

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). This course examines the molecular mechanisms underlying this regulation of gene expression in prokaryotes and eukaryotes.
Prerequisite: BIOL 335 and 313 (C minimum)

BIOL 448
Directed Studies in Biology (L) 3 credits

A course designed to allow students to undertake an investigation on a specific topic as agreed upon by the faculty member and the student. Permission of the supervisor and co-supervisor required.

BIOL 449
Advanced Seminar – Selected Topics in Biology (1,2,0) 3 credits

This is an advanced seminar course focusing on recent developments in modern biology. Topics will be selected from the instructors area of expertise and will vary from year to year.
Prerequisite: Fourth year standing and permission of the instructor

BIOL 498
Honours Seminar in Biological Sciences (0,2,0) 2 credits

This course allows students enrolled in the Biology Honours Program to 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. It also serves to provide Honours students with constructive criticism of their thesis research projects. The seminars consist of readings, group discussions, and seminar presentations by students, interested faculty and guest speakers.

Note: 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 499 – Honours Thesis. 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 B.Sc. program with a Major in Biology. General requirement for acceptance are: 4th year standing in the B.Sc. program, minimum GPA of 3.0, with at least a B- in all BIOL and required ENGL courses, identification of a supervisor for the Honours Thesis (BIOL 499)

Corequisite: BIOL 499

BIOL 499
Honours Thesis - 6 credits

This course requires an original research project conducted by students in the Biology Honours Program of the Bachelor of Science (B.Sc.) degree. It 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 B.Sc. program with a Major in Biology. General requirement for acceptance are: 4th year standing in the B.Sc. program, minimum GPA of 3.0, with at least a B- in all BIOL and required ENGL courses, identification of a supervisor for the Honours Thesis (BIOL 499)

Corequisite: BIOL 498

Business

BBUS 060
Introduction to Entrepreneurship (5,0,1) 3 credits

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 Preparation Department.

BBUS 061
Introduction to Business Studies (6,0,0) 4 credits

This course is designed to provide University 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.

Prerequisite: ENGL 050 and MATH 050 or equivalent

Note: This course is taught by the University Preparation Department.

BBUS 137
Management Information Systems 1 (3,0,2) 3 credits

This course provides an introduction to computers and management information systems. The lectures are designed to address and "de-mystify" the conceptual workings of the computer and its place in the management environment. The seminars will be used to develop practical computing skills in the area of operating systems, word processing, spreadsheets, electronic mail, and the internet.

Note: Students may not receive credit for more than one of COMP 100, COMP 135, COMP 191, COMP 170, BBUS 137 and BBUS 237.

BBUS 221
Financial Accounting (3,0,0) 3 credits

This course offers an introduction to the fundamentals of financial accounting from the perspective of the user. Topics include objectives, format, content, and analysis of the income statement, balance sheet, and cash flow statement; basic accounting principles and assumptions; the basic accounting cycle; accounting for current and non-current assets; accounting for current and non-current liabilities; owner's equity; and revenues and expenses.

Prerequisite: 15 credits, completion of CESL Level III

Note: Students will not receive credit for both BBUS 221 and ACCT 100 or ACCT 121

BBUS 238
Management Information Systems 2 (3,0,2) 3 credits

There is an increasing need for a new kind of highly computer literate business professional who can take responsibility for developing many day-to-day business applications integrating accounting systems, databases, and spreadsheets into a web-based process with XML providing the common link. The course will also explain the functionality and benefits of an integrated Enterprise Resource Planning (ERP) Information System and provide some "hands-on" work with commercial ERP software.

Prerequisite: BBUS 137, BBUS 221

BBUS 254
Management Accounting (3,0,0) 3 credits

This course offers an introduction to the fundamentals of management accounting. Topics include cost accounting terminology, job costing, process costing, activity-based costing, cost-volume-profit analysis, budgeting, standard costing, variance analysis, responsibility accounting, variable costing, transfer pricing, and decision making.

Prerequisite: BBUS 137, BBUS 221, completion of CESL Level V

Note: Students will not receive credit for both BBUS 254 and ACCT 101.

BBUS 272
Organizational Behaviour (3,0,0) 3 credits

This course is an introductory examination of work organizations and the behaviour of individuals within them. The topics covered are: understanding and managing individuals in organizations; interpersonal relationships and communications; understanding and managing work groups; understanding organization design; and understanding and managing organizational change.

Prerequisite: ENGL 110, or ENGL 111, or PHIL 111; 15 credits

BBUS 303
Business in Society (3,0,0) 3 credits

The main objective of the course is to enhance students' understanding of the relationship between business and its stakeholders, including employees, customers, owners, the natural environment, as well as local and foreign communities. The course will focus on the business firm operating within a social and political environment.

Prerequisite: 60 credits

BBUS 312
Introduction to Financial Management (3,0,0) 3 credits

This is an introductory course in managerial finance with an emphasis on the needs of small business. Topics include: the role of the financial manager; financial statement analysis; short-term financial planning; basic working capital management; capital budgeting; risk/return; stock/bond valuation; weighted average and marginal cost of capital; operational and financial leverage; the ideal capital structure; financial markets and institutions; and sources of short-term and long-term capital.

Prerequisite: BBUS 221, BUEC 232 or MATH 120, MATH 141 or MATH 110; 60 credits

BBUS 314
Financial Statement Analysis (3,0,0) 3 credits

This course will provide students with an in-depth understanding of the format and reporting limitations of an organization's financial statements and how this information can be analyzed using financial ratios and other measures to determine a firm's liquidity, efficiency, solvency and profitability. Financial statements will be analyzed primarily from the perspective of a company's financial manager, but the specific techniques used by stock analysts, lenders, bond rating agencies, and merger and acquisition specialists will also be explored. Case studies will be used extensively to reinforce course concepts.

Corequisite: BBUS 312

BBUS 315
Investments 1 (3,0,0) 3 credits

This is an introductory course in investments and portfolio management in a global environment. Topics include: the investment environment; financial markets, institutions, and instruments; modern portfolio theory; CAPM, APT and market efficiency; fixed income, equity, and derivative securities; and portfolio management.

Prerequisite: BUEC 233, BBUS 312

BBUS 316
Canadian Securities and the Investment Industry (3,0,0) 3 credits

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 320
Intermediate Financial Accounting 1 (3,0,0) 3 credits

This is the first of a two-course sequence dealing with the preparation of the income statement, the statement of retained earnings, and the asset side of the balance sheet. Topics include accounting professions; the theoretical framework; discontinued operations; extraordinary items; accounting changes; cash; temporary investments; receivables; inventory; the costing, amortization, disposal and write-down of capital assets; and deferred charges including R&D costs.

Prerequisite: BBUS 221; 60 credits

BBUS 321
Intermediate Financial Accounting 2 (3,0,0) 3 credits

This is the second of a two-course sequence dealing with the preparation of the current liabilities, long-term liabilities, and shareholders' equity sections of the balance sheet and the cash flow statement. Topics include sales taxes, estimated liabilities, payroll accounting, bank lending, bonds payable, subsidized borrowing, advanced corporate accounting, derivative securities, earnings per share, future benefits, leases, and future income taxes.
Prerequisite: BBUS 320

BBUS 322
Income Taxation 1 (3,0,0) 3 credits

This is the first course of a two-course sequence that examines the underlying principles, concepts, and methodology of income taxation in Canada. Topics include the determination of residency, liability of tax, computation of income, employment income, business income, calculation of taxes payable, capital cost allowance and eligible capital property. A tax software package will be used to illustrate preparation of an individual's tax return.
Prerequisite: BBUS 254; 60 credits

Note: Students may not receive credit for both BBUS 322 and BBUS 326

BBUS 323
Income Taxation 2 (3,0,0) 3 credits

This is the second of a two-course sequence that examines the major tax concepts and the specific provisions of the Income Tax Act. Topics include the taxation of corporations, corporate distributions, capital gains, trusts, partnerships, and selected topics in estate planning and corporate reorganizations.
Prerequisite: BBUS 322

BBUS 325
Intermediate Management Accounting (3,0,0) 3 credits

This is an intermediate course in management accounting. Topics include an in-depth study of general purpose and special product costing systems; spoilage/ rework and scrap; cost estimation; linear and non-linear CVP; production, quality and pricing decisions; capital budgeting; operational budgeting; variance analysis; decentralization, segmented reporting, transfer pricing, performance evaluation and incentive systems. Spreadsheet applications will be used extensively to reinforce course concepts.
Prerequisite: BBUS 254

BBUS 326
Taxation for Decision Making (3,0,0) 3 credits

This course surveys the fundamental framework of the Canadian Income Taxation system and examines its effect on business decision making and financial planning. This course adopts a business-decision approach to taxation and will help non-accountants to integrate the effect of income taxes into their day-to-day decision-making.
Prerequisites: BBUS 254 and 60 credits

Note: Students may not receive credit for both BBUS 326 and BBUS 322

BBUS 331
Operations Management (3,0,0) 3 credits

This course provides students with an introduction to operations management with a strong emphasis on the applications of quantitative methods in both the manufacturing and service sectors. Topics include: operations strategy in a global setting; project management; forecasting; designing operations including product development and design, capacity planning, production processes, and location; management of operations including layout, job design, supply-chain management, inventory management, planning and scheduling, materials/enterprise resource planning, quality control, and maintenance; distribution and logistics; and customer service.
Prerequisite: BBUS 238, BBUS 254, BUEC 233

BBUS 336
Management Science (3,1,0) 3 credits

The application of management science and spreadsheet-based modeling techniques in the analysis of marketing, finance, production, organizational, and administrative problems. This course is designed to enhance a student's problem solving abilities by making them aware of the interdisciplinary approach that all modeling is based on. The topics include linear programming, simulation, decision analysis, forecasting, and project management.
Prerequisite: BUEC 233, BBUS 238; 60 credits

BBUS 343
Introduction to Marketing (3,0,0) 3 credits

The course is designed to provide students with an overall view of the marketing function. They will come to understand the role of marketing in society and its applications within organizations. Topics include: marketing strategy; market segmentation; planning and implementing the marketing mix (the product, price, channels of distribution, advertising and personal selling functions); and managing and controlling the marketing process.
Prerequisite: 60 credits

BBUS 345
Professional Selling (3,0,0) 3 credits

The course is designed to provide the student with an overall view of the professional selling functional area. Students come to understand the role of personal selling in marketing, in society and its application within organizations. Topics include: The Field of Selling, Building Professional Relationships, The Buying Function, The Selling Function, Negotiating, Strategic Planning & Sales Management, Designing Sales Territories, Sales Human Resource Management, Social, Ethical & Legal Issues in Selling. Students are expected to participate in role play and simulated selling situations.
Corequisite: BBUS 343

BBUS 347
Consumer Behaviour (3,0,0) 3 credits

This course introduces the student to the influence that consumer behavior has on marketing activities. Students will apply theoretical concepts to marketing strategies and decision-making. Topics include consumer and marketing segments, environmental influences, individual determinants, decision processes, information research and evaluation.
Prerequisites: BBUS 343

BBUS 348
Marketing Research (3,0,0) 3 credits

This course provides students with an introduction to marketing research. Topics include research study methods and design, effective program implementation, and data analysis.
Prerequisite: BBUS 343, BUEC 232 or MATH 120

BBUS 351
International Business (3,0,0) 3 credits

This course is a broad introductory survey of the field of international business, focusing on the international environment; international trade theory and policy; the balance of payments and foreign exchange markets; and the theory of multinational enterprises and foreign direct investment. The course also focuses on international business operations, including global strategic management; international modes of entry; organizational structure and control issues; and international business functions including manufacturing, marketing, R&D, human resource management, accounting, and finance.
Prerequisite: 60 credits

BBUS 371
Small Business Finance (3,0,0) 3 credits

This course will provide students with the skills required to manage a small business' financial affairs on an on-going basis. Topics include: review of bookkeeping including PST, GST, payroll accounting, and computerized accounting software; preparation of proforma financial statements; net working capital management and advanced capital budgeting; small business performance evaluation; sources of short-term and long-term small business financing; small business valuations; and bankruptcy. Case studies and guest speakers will be used extensively to reinforce important concepts.
Prerequisites: BBUS 312

BBUS 381
Introduction to Human Resource Management (3,0,0) 3 credits

This course is an introduction to the field of human resource management. The topics include human resource planning, job analysis and design, recruitment and selection, employment equity, performance appraisal, compensation, training and development, occupational health and safety, and industrial relations. For each subject, an overview of current Canadian issues and practices will be presented.
Prerequisite: BBUS 272; 60 credits

BBUS 384
Industrial Relations (3,0,0) 3 credits

This course considers various aspects of union-management relations, focusing on the Canadian experience and BC labour law. The topics include: the historical development of the industrial relations system; structure and functions of trade unions; BC labour legislation; management labour strategies; contract administration and dispute resolution.
Prerequisite: BBUS 381

BBUS 388
Teamwork in Organizations (3,0,0) 3 credits

This course will study the nature, design and processes of effective teamwork in organizations. It attempts to provide both an intellectual appreciation of the issues involved in teams and team-based organizations and a practical set of skills for team membership and leadership. Lectures, discussions, role-plays, simulations, and team projects will be used extensively.
Prerequisite: BBUS 272; 60 credits

BBUS 392
Employment Law (3,0,0) 3 credits

This course introduces students to the legal principles and the law relating to the individual employer-employee relationship and collective labour law after first providing a brief overview of the Canadian legal system.
Prerequisite: BBUS 381; BBUS 393

BBUS 393
Commercial Law (3,0,0) 3 credits

This course provides business students with a foundation in commercial law. The topics include: common law, equity, and statue law; contracts, agency and negotiable instruments; partnerships and corporations; and employment law.
Prerequisite: 60 credits

BBUS 398
Business Research Methodology (0,3,0) 3 credits

This course is to be completed by students in the Honours Program of the BBA degree who choose to do an individual research project. It will provide a background in research methodologies appropriate for research in business disciplines. Students will normally register in this course in the Winter Semester of their 3rd year.
Prerequisite: BUEC 233; 60 credits

BBUS 399
Special Topics - 3 credits

The subject matter will vary from semester to semester depending upon the interest of faculty and students.
Prerequisite: Permission of the BBA Program Advisor

BBUS 410
Personal Financial Management 1 (3,0,0) 3 credits

This is an introductory course designed to develop the student's skills in identifying, structuring and resolving financial planning problems. Students will be introduced to multiple analytical tools and planning strategies that can be used in addressing various personal financial issues relating to setting reasonable personal goals and objectives, budgeting, consumer credit, protecting your assets, taxes, growing your investments, and retirement.
Prerequisites: BBUS 315, BBUS 329, BBUS 393

BBUS 411
Personal Financial Management 2 (3,0,0) 3 credits

This is the second of a two-course sequence that uses multiple analytical tools and examines numerous financial planning issues. Significant consideration will be given to legal and ethical considerations in the investment industry. Cases will cover investment planning consistent with the risk profile of the investor for creation and growth of wealth. Topics include risk management and insurance products, retirement and estate planning including bestowing gifts, the estate freeze, income splitting, wills and trusts.
Prerequisites: BBUS 410

BBUS 412
Business Valuation and Restructuring (3,0,0) 3 credits

This course provides students with an in-depth understanding of business valuations and the corporate restructuring process with a major emphasis on the quantitative tools used in practice. Case studies and business periodical readings will be used extensively to reinforce course content. Topics include: business valuation; litigation support; mergers and acquisitions and takeover defenses; divestitures and spin-offs, split-offs, and split-ups; financial distress, bankruptcy, reorganizations, and liquidations.
Prerequisite: BBUS 413

BBUS 413
Advanced Financial Management (3,0,0) 3 credits

This is an advanced course in managerial finance with an emphasis on the needs of large corporations in a global environment. Topics include: advanced working capital management; sources of short-term and long-term corporate financing; capital structure; dividend policy; mergers and acquisitions; financial distress and corporate restructuring; corporate governance and executive compensation; risk management using futures, options, swaps, caps, floors and insurance; and international finance.
Prerequisite: BUEC 233, BBUS 312

BBUS 415
Investments 2 (3,0,0) 3 credits

This is an advanced course in investments in a global environment. The topics include: foreign exchange markets and exchange rate determination; advanced fixed income securities; real estate; and advanced equity investments.
Prerequisite: BBUS 315

BBUS 416
Portfolio Management (3,0,0) 3 credits

This is an advanced course in portfolio management in a global environment. Topics include: determination of investor objectives, constraints, and preferences; establishment of portfolio policies; forecasting capital market expectations; asset allocation; equity, fixed-income, and real estate portfolio strategies; hedging strategies; implementation, monitoring, and rebalancing of a portfolio; evaluating portfolio performance; and ethical standards. Case studies and an investment simulation will be used to reinforce course concepts.
Prerequisite: BBUS 415

BBUS 417
Risk Management and Financial Engineering (3,0,0) 3 credits

This course deals with the valuation of derivative securities and their use in risk management, asset speculation, and financial engineering. Topics include: the operation of the derivatives markets; valuing and analysis of options, futures, forwards, swaps and other derivative instruments; and derivative trading strategies.
Prerequisite: BBUS 315

BBUS 418
International Financial Management (3,0,0) 3 credits

This course is an examination of the international aspects of corporate finance and investing. It covers balance of payments, foreign exchange with emphasis on exchange rate determination, exchange risk, hedging, and interest arbitrage, international markets and institutions, international financing, and international investing.
Prerequisite: BBUS 315

BBUS 419
Financial Institutions Management (3,0,0) 3 credits

This course examines 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 different financial institutions and their assets and liabilities; types of risk including liquidity risk, interest rate risk, market risk, credit risk, off-balance sheet risk, technology risk, foreign risk, and sovereign risk; and techniques for managing risk including asset/liability management, liquidity management, deposit insurance, capital adequacy, product and geographic diversification, futures, forwards, options, swaps, caps, floors, securitization, and loan sales.
Prerequisite: BBUS 415

BBUS 420
Advanced Financial Accounting (3,0,0) 3 credits

This course offers an in-depth understanding of advanced financial accounting. Topics include the accounting for intercorporate investments, foreign currency transactions, foreign operations, and not-for-profit organizations.
Prerequisite: BBUS 321

BBUS 421
Accounting Theory (3,0,0) 3 credits

This course offers an exploration of the theoretical underpinnings of accounting and of accounting epistemology. Topics include theory construction and verification, as well as an examination of specific accounting models, including but not limited to positive, normative, agency, cost-related, price-related models and the social and environmental context of accounting systems.
Prerequisite: BBUS 321

BBUS 423
Assurance (3,0,0) 3 credits

This course offers an introduction to auditing. Topics include the discussion of the nature and purpose of the auditing function, audit standards, the methodology of auditing, audit planning, the collection of audit evidence, audit reporting, and recent developments in auditing.
Prerequisite: BBUS 320

Corequisite: BBUS 321

BBUS 425
Advanced Management Accounting (3,0,0) 3 credits

This is an advanced course in strategic management accounting. The course examines the integrative and interdisciplinary role of management accounting and its contribution in the strategic management process. The course focuses on cases that deal with management's need for information for planning, control and decision making using both quantitative and qualitative information.
Prerequisite: BBUS 325, BBUS 312, and BBUS 331

BBUS 426
Public Sector Accounting (3,0,0) 3 credits

This course is an introduction to accounting in the public sector and not-for-profit organizations and provides an in depth look at the CICA standards that have been developed for these entities. The course will examine not-for-profit organizations, municipalities, provincial, federal and territorial governments as well as First Nation entities.
Corequisite: BBUS 321

BBUS 427
Forensic Accounting (3,0,0) 3 credits

This course provides an introduction to fraudulent activity and other illegal acts and the implications for the business sector. The course will examine such topics as: the proceeds of crime (money laundering) and Terrorist Financing Act; FINTRAC roles and responsibilities; white-collar crime and the role of today's forensic accountant; and changing assurance and accounting guidelines reflecting the new governance regulations and Anti-corruption Act and its impact on doing business internationally.
Prerequisite: BBUS 314 or BBUS 321

BBUS 428
Management Issues in Information Systems (3,0,0) 3 credits

The focus of this course is on the management and not the technical issues surrounding information technology (IT). Using cases, the course will introduce various theories and models of the management of IT, the application of IT to management situations, and some of the current issues surrounding IT. Topics covered will range from risk and security of e-commerce applications to decision and executive support systems.
Prerequisite: BBUS 336

BBUS 441
Services Marketing (3,0,0) 3 credits

This course tackles the important issues facing service providers and managers of service firms today. This straightforward course will provide students with: (1) a thorough understanding of the key delivery elements of service industries; (2) a working knowledge of the current trends and the ability to interpret those trends and relate them to varied service businesses; and, (3) the fundamental abilities and strategies that lead to the successful implementation of a customer focus in service based businesses. The course will involve lectures, videos, readings, role-plays, case studies and group discussions of current issues in services marketing and customer service strategies.
Prerequisites: BBUS 343

BBUS 443
Retail Management (3,0,0) 3 credits

For students interested in the field of retailing - whether in their own small business or employed with a large organization - this course offers an overall in-depth understanding of retail and services management as well as non-store retailing. The course covers activities that take place in businesses that offer goods and services for sale directly to the consumer. It emphasizes the practical application of techniques that are suitable for all retail/service operations, regardless of size.
Prerequisites: BBUS 343

BBUS 445
E-Commerce (3,0,0) 3 credits

The course is designed to provide the student with an overall view of E-Commerce and Internet Marketing. The internet is rapidly becoming the primary communications, marketing and commercial medium for almost every business in every industry. It will include a substantial segment on the four P's of marketing as they apply specifically to e-commerce, and will also include a discussion of launching businesses on the web, internet architecture, site evaluation, issues of internet payment, security and encryption.
Prerequisites: BBUS 343

BBUS 446
Marketing Strategy (3,0,0) 3 credits

Marketing strategy focuses on the analysis of market problems and opportunities, and the development of appropriate strategies. Topics include analytical techniques, strategic planning methods and managerial problems of planning. The course employs a marketing strategy simulation to reinforce course concepts.
Prerequisite: BBUS 312, BBUS 348

BBUS 447
International Marketing (3,0,0) 3 credits

The course is designed to provide the student with an overall view of the International Marketing arena. This course will deal with all aspects of marketing from an international perspective and will prepare students to deal with foreign competitive situations and international opportunities. It will also include a substantial segment on E-Commerce and Internet Marketing. It offers practical, hands-on exposure to marketing challenges faced by Canadian small and medium sized businesses.
Prerequisite: BBUS 343

BBUS 448
Integrated Marketing Communications (3,0,0) 3 credits

This course studies the use of promotional tools by business as well as their creation and management. The course provides an integrative approach to the study of the promotion mix including advertising, publicity, personal selling and sales promotion. Topics include: an evaluation of the role of promotion in marketing and the economy; the formulation and analysis of promotional goals; planning, organizing and controlling the promotion function; creative planning; and budgeting and media selection.
Prerequisite: BBUS 343

BBUS 449
Business-to-Business Marketing (3,0,0) 3 credits

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: BBUS 343

BBUS 451
Global Management (3,0,0) 3 credits

This course examines the 'globalization' of business activity from a purely top-management point of view. It provides an integrative and comprehensive overview of the fundamental issues and challenges that confront the international firm. That is, rather than focus on specific business tasks and functions as they pertain to international business operations, the course is intended to help students understand international management issues and challenges such as: target market selection, modes of market entry, international strategy, organizational structure, location and control of overseas subsidiaries, and joint venture formation.
Prerequisites: BBUS 343, BBUS 351

BBUS 452
International Trade Finance (3,0,0) 3 credits

This course provides international business professionals with a thorough understanding of the finance principles required to conduct business in a global environment, including both import/export and multinational operations. Topics include: foreign exchange risk; export costing and transaction viability; payment methods and letters of credit; short-term financing for imports/exports; medium and long-term financing for imports/exports; bonds and guarantees; countertrade and consignment; Export Development Agency and other assistance programs; multinational financial management; and preparing and presenting a financial proposal.
Prerequisites: BBUS 312, BBUS 351

BBUS 453
International Trade Law and Logistics (3,0,0) 3 credits

This course is essentially two courses in one. The first portion covers International Trade Law, while the second portion will examine the Logistics and Supply Chain Management knowledge necessary to become competitive in International Trade environment.
Prerequisites: BBUS 331, BBUS 351, BBUS 393

BBUS 454
Global Entrepreneurship (3,0,0) 3 credits

This course focuses on the theory & practices of global entrepreneurship. This course requires a development of a STRATEGIC GLOBAL BUSINESS PLAN and strongly emphasizes the role of a global entrepreneur as a leading factor in building a global economy. Topics will include: defining strategic needs; barriers to entry; distribution issues; market entry strategies; investment-based entry strategies; the role of partnerships in international trade; partnering with product representatives; agents and distributors; finding the right partner; negotiating partnership agreements; working with suppliers; technology partnering; managing a joint venture; exit strategies.
Prerequisites: BBUS 447, BBUS 451, BBUS 452

BBUS 475
New Venture Creation (3,0,0) 3 credits

This is the first of a two course sequence on developing an entrepreneurial perspective to business. Whether starting a new venture from scratch, joining or acquiring an existing business, or creating a new venture inside a larger organization, this course looks at the entrepreneurial skills, values, and attitudes needed for success. The primary activities undertaken in this course are the development of a business plan and the use of case studies to examine some special issues for entrepreneurs.
Prerequisite: BBUS 312 and BBUS 343

BBUS 476
Small Business Management (3,0,0) 3 credits

This is the second of a two course sequence on developing an entrepreneurial perspective to business. While the first course looks at entrepreneurship from planning to start-up, this course deals with the successful operation of an up-and-running entrepreneurial venture. Almost all small business owners or managers in larger organizations have specialized business skills in some area, but few have multi-disciplinary expertise. This course looks at issues in the functional areas of accounting, marketing, human resources, finance, and operations from an entrepreneurial perspective.
Prerequisite: BBUS 475

BBUS 478
Strategic Management Issues (0,4,0) 3 credits

This seminar provides an integration of the various areas of business for the purpose of analyzing and recommending strategies for planning and decision making within the firm. Concepts of strategy, the application of those concepts and the processes for implementing strategy in different contexts are major topics of study.
Prerequisite: BBUS 312, BBUS 343, BBUS 381; 90 credits

Note: It is recommended that this course be taken in the student's final semester

BBUS 481
Strategic Human Resource Staffing (3,0,0) 3 credits

This course focuses on the theory and practice of the staffing process in work organizations. It includes an examination of strategic human resource models, HR planning, recruitment and selection of individuals, and legal issues in staffing.
Prerequisite: BBUS 381

BBUS 483
Compensation Management (3,0,0) 3 credits

This course deals with compensation theory and practice. The topics include job evaluation, wage surveys, performance evaluation, incentive systems, benefits, and legal concerns in developing and administering compensation systems in organizations. The course's primary focus is a major project in which students design a compensation system for an organization.
Prerequisite: BBUS 381

BBUS 484
Learning and Organizational Development (3,0,0) 3 credits

This course examines the theory and practice of the training and development function in work organizations. The topics include learning theory, budgeting, the changing role and standards of training and development, how training and development help the organization achieve its goals, organizational factors and the external environment effect on training, development and societal issues.
Prerequisite: BBUS 381

BBUS 485
Collective Bargaining (3,0,0) 3 credits

This course covers the certification process, the negotiation process, contract formulation, the costing of the collective agreement, as well as the roles of third parties in collective bargaining. A major project has students participate in a role-playing exercise in which they negotiate a collective agreement.
Prerequisite: BBUS 384

BBUS 486
Selected Topics in Human Resource Management (3,0,0) 3 credits

This course covers a selection of contemporary topics in human resource management. Topics will vary, but may include workplace health and safety, human resource information management, organizational change, and professional practice.
Prerequisite: BBUS 381

BBUS 498
Honours Thesis - 9 credits

This course is to be completed by students in the Honours Program of the BBA degree who choose to do an individual research project. Students register in this course in both the Fall and Winter Semesters of their final academic year.
Prerequisite: BBUS 398; admission to the BBA Honours program

BBUS 499
Selected Topics in Business Administration - 3 credits

The subject matter will vary from semester to semester depending upon the interests of faculty and students. (Seminar)
Prerequisite: Permission of the BBA Program Advisor; 75 credits

Business Economics

BUEC courses can be used as ECON courses by all TRU students.

BUEC 204
Managerial Economics (3,0,0) 3 credits

Emphasis is upon economic models to business decision making and, in particular, on the rational analysis of choice alternatives within the firm. Topics will include consideration of optimizing techniques and analysis of risk, demand analysis, production and profit, long term investment decisions, and business forecasting.
Prerequisite: MATH 107, ECON 190 and ECON 195 (grades of C- or better)

Note: Students may not receive credit for both BUEC 204 and ECON 290

BUEC 230
Probability for Business and Economics (1,0,0) 1 credit

An introductory course designed for Business students who have taken MATH 120, and have not taken MATH 110. The course is designed to fill in the missing components of BUEC 232 that are not covered in MATH 120. Topics covered include probability, discrete random variables, distributions other than the binomial distribution, the sampling distribution and hypothesis testing of variances. Upon completion of this course with MATH 120, the student will be given an exemption for BUEC 232.
Prerequisite: MATH 120 (grade of C- or better)

Note: Students who have taken MATH 110 or BUEC 232 may not receive credit for BUEC 230.

BUEC 232
Economic and Business Statistics 1 (3,0,0) 3 credits

An introduction to elementary statistical techniques with emphasis on their application to business and economics.
Prerequisite: ECON 190 or ECON 195, and MATH 107 (grades of C- or better); 30 credits.

Note: Students may normally receive credit for only one of the following: BIOL 300, BUEC 232, MATH 120, PSYC 210, SOCI 271, SOCI 371, STAT 200.

BUEC 233
Economics and Business Statistics 2 (3,0,0) 3 credits

An introduction to more advanced statistical techniques including econometrics and operations research. Students will be required to apply the statistical techniques covered in the course to data they collect in analyzing problems of individual interest.
Prerequisite: ECON 190 or ECON 195, BUEC 232 or equivalent, and BBUS 137 or equivalent (grades of C- or better in all courses)

Note: Students may not receive credit for both BUEC 233 and BUEC 333.

BUEC 333
Economic and Business Statistics 2 (3,0,0) 3 credits

An introduction to more advanced statistical techniques including econometrics and operations research. Students will be required to apply the statistical techniques covered in the course to data they collect in analyzing problems of individual interest.
Prerequisite: ECON 190 or ECON 195, BUEC 232 or equivalent, and BBUS 137 or equivalent (grades of C- or better in all courses)

Note: Students may not receive credit for both BUEC 333 and BUEC 233.

BUEC 411
Financial Institution Management (2,2,0) 3 credits

This course examines the techniques of risk measurement and management and applies them to various financial institutions.
Prerequisite: ECON 310 (grade of C- or better) and either BUEC 204 (grade of C+ or better) or ECON 290 (grade of C- or better)

BUEC 433
Forecasting in Business and Economics (3,0,0) 3 credits

This course considers the problems which both arise in predicting economic activity, and in designing then implementing policies to control the relevant economic variables. A range of alternative forecasting techniques will be discussed and critically reviewed, then applied to the Canadian and B.C. economies.
Prerequisite: Either ECON 290, ECON 295, or BUEC 204 and either BUEC 233, BUEC 333 or STAT 306 (grades of C- or better); 60 credits

Canadian Accredited Insurance Brokers

CAIB 100
Introduction to Personal Lines (40 hours)

An introduction to procedures, paper flow, required information, and actual documents for personal lines insurance. This course, which complements CAIB 1 covering fundamental insurance concepts and theory, gives the student the "how to" of insurance paper flow. All the steps from initial quote, through to issuance of the policy and handling the claim are covered in a practical way using actual documents, forms and rating manuals from at least two insurance companies. Replacement cost evaluations, using BOECKH manuals, are completed. Case studies where students complete actual documents are utilized.

This course also serves to prepare students for the ICBC Autoplan Seminars and the Insurance Office Software course.

CAIB 101
Personal Lines (38.5 hours)

This is the first course of the Canadian Accredited Insurance Brokers (CAIB) program; a professional development program designed for customer service representatives, marketers, and producers in the general insurance industry.

CAIB 1 provides a comprehensive introduction to the general insurance industry and an in-depth study of personal lines coverages.

CAIB 102
Insurance Office Software (40 hours)

The primary purpose of this course is to provide a hands-on introduction to insurance office software. Students will be introduced to The Agency Manager, a widely-used software package, using CD-ROM computerized interactive training. Students will be provided 30 hours of computer lab time to complete the interactive training, interspersed with 10 hours of instructor-led seminar to review the material.
Prerequisite: CAIB 100

CAIB 103
Insurance Office Procedures (40 hours)

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.
Prerequisite: Successful completion of all other courses in the Administrative Assistant Program

CAIB 109
CAIB 1 - Seminar (10 hours)

A review session for the week's topic in the CAIB 1 class, and an opportunity to further question and discuss issues with an experienced broker.

CAIB 1 is the first course of the Canadian Accredited Insurance Brokers (CAIB) program and provides a comprehensive introduction to the general insurance industry.

Canadian Studies

CNST 200
Introduction to Canadian Studies (2,1,0) 3 credits

This is a multidisciplinary course which provides a general introduction to Canadian culture and society. A wide range of regional and national topics will be discussed, including regionalism, multiculturalism, history, music, concepts of nationhood, politics, literature, film and theatre.
Prerequisite: None

CNST 242
Canadian Literature on Film (4,0,0) 3 credits

This course will involve the student in a comparative study of the film adaptation of selected Canadian novels, short stories, plays, poems, and movie and television scripts. The course will concentrate on work of the last few decades but will examine some earlier works in order that students receive exposure to Canadian literary and film history.
Prerequisite: C (or better) in two first-year Academic English courses, or Instructor's written permission

CNST 311
Canadian Communities in Transition (2,1,0) 3 credits

This course introduces the structure and dynamics of communities that constitute the contemporary Canadian cultural landscape. More than a catalogue of modern settlement patterns, this course documents the often unique character of particular Canadian communities in transition and investigates the nature of economics, geography, ecology, urbanisation, and social change on the reality of life in Canada today.
Prerequisite: Third-year standing

CNST 312
Canadian Aboriginal Drama (4,0,0) 3 credits

Canadian Studies 312 examines plays by Native Canadians. The connections between traditional storytelling and staged works will be discussed, as will such issues as ethnicity, appropriation, hybridity, historical revisionism, canon formation, and cultural stereotyping. The plays will be studied in their historical and cultural contexts. The development of First Nations theatre and production companies such as Native Earth Performing Arts will also be discussed.
Prerequisite: Any two of English 110, 111, or 121 in addition to third-year standing

CNST 325
Quebec Cinema in Translation (3,1,0) 3 credits

This course provides an introduction to issues and theories relevant to Quebec cinema and will focus on the representation of Quebec culture and society in major films from 1960 to the present. All films will be subtitled or dubbed in English. No prior knowledge of French is required.
Prerequisites: Two of English 110, 111, or 121, or equivalent in addition to third-year standing. CNST 200 is recommended. No prior knowledge of French is required.

Note: Cross-listed with FILM 325 and FREN 325

CNST 326
Quebec Literature in Translation (3,0,0), 3 credits

This course provides an overview of issues and theories relevant to Quebec fiction, by focusing 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 will be read in translation. No prior knowledge of French is required.
Prerequisites: Two of English 110, 111, or 121, or equivalent in addition to third-year standing. CNST 200 is recommended. No prior knowledge of French is required.

Note: Cross-listed with ENGL 326 and FREN 326

Chemical Biology

CHBI 398
Introduction to Research (0,1,0) 1 credit

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 will focus 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 will be expected to take this course, although the learning objectives may be completed under the supervision of an individual faculty member.
Prerequisite: Third year standing in a B.Sc. or BNRS Program

CHBI 498
Honours Seminar (0,2,0) 2 credits

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. It also serves to provide Honours students 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 499

CHBI 499
Honours Thesis in Chemical Biology - 6 credits

Original research projects are conducted by students in the Chemical Biology Honours Program of the Bachelor of Science (B.Sc.) degree. These 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: Acceptance into the Chemical Biology Honours Program.

The general requirements for acceptance are: 4th-year standing 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 of 4th year.

Corequisite: CHBI 498

Chemistry

CHEM 050
Foundations of Chemistry 1 (5,0,2) 4 credits

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.

Prerequisite: Principles of Math 11 or Applications of Math 12, or MATH 050 or equivalent

Note: This course is taught by the University Preparation Department.

CHEM 060
Foundations of Chemistry 2 (5,0,2) 4 credits

ABE – Provincial: A pre-university level course for students requiring a more in-depth introduction to chemistry than provided by Chemistry 050 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.

Prerequisite: Chemistry 11 or CHEM 050

Corequisite: Principles of Math 12, or MATH 060 or equivalent, is strongly recommended.

Note: This course is taught by the University Preparation Department.

Science Majors

Science Majors:

Students with Chemistry 11 or CHEM 050 must register for CHEM 151. Students with Chemistry 12 or CHEM 060 may register in either CHEM 151 or CHEM 152. CHEM 152 is preferred for students contemplating a major in Chemistry, Environmental Chemistry or Chemical Biology. CHEM 150 is a required prerequisite for either CHEM 151 or 152.

Students with previous credit for CHEM 110 or CHEM 111 who wish to complete a second 1st year Chemistry course should take CHEM 150.

The Chemistry Department strongly advises that students whose previous chemistry course(s) were taken more than 3 years ago consider upgrading their chemistry background by taking or auditing CHEM 050 and/or CHEM 060.

CHEM 131
The World of Chemistry (3,0,0) 3 credits

This course will look at a variety of chemistry issues that have changed history or is in the news today. Everything from Napoleon'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.

Prerequisite: First Year Standing

CHEM 150
Chemical Bonding and Organic Chemistry (4,0,3)(L) 3 credits

Lecture topics include general concepts of chemical bonding, Lewis structures, molecular shape, and Valence Bond Theory of bonding and half a semester of organic chemistry. The organic chemistry portion will focus 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 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: Chemistry 11 or 12; CHEM 050 or 060; Principles of Math 12 or MATH 060/061

CHEM 151
Fundamentals of Chemistry (4,0,3)(L) 3 credits

CHEM 151 is the second half of a fundamental first year chemistry course, designed for students who have completed CHEM 150 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 all these topics during the course. The laboratory stresses fundamental precision techniques in quantitative analytical and physical chemistry.

Prerequisite: CHEM 150 (minimum C-) and Chemistry 11 or CHEM 050

CHEM 152
Principles of Chemistry (3,0,3)(L) 3 credits

CHEM 152 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 060; however, the course is available to any student with CHEM 150 and Chemistry 12 or CHEM 060. Students are expected to become familiar with all these topics during the course. The topics include gas laws, equilibrium, redox reactions, electrochemistry, thermochemistry, entropy and free energy. Students are expected to become familiar with all these topics during the course. The laboratory stresses fundamental precision techniques in quantitative analytical and physical chemistry.

Prerequisite: CHEM 150 (C- minimum) and Chemistry 12 or CHEM 060 (a grade of B or better is recommended)

CHEM 157
General Chemistry for Health Technologists 1 (3,0,3)(L) 3 credits

A survey course of general chemistry, with emphasis on areas of chemistry important to respiratory therapy. Lecture topics include: stoichiometry; solution calculations; properties of gases; oxidation and reduction; electrochemistry; acids and bases; organic chemistry; and physiological chemistry of electrolytes. The laboratory stresses basic precision techniques in quantitative analytical chemistry and selected instrumental techniques. General case histories relate to respiratory therapy.

Prerequisite: Chemistry 12 or CHEM 060, Principles of Mathematics 12, or MATH 060/061, or equivalent. Admission to the Respiratory Therapy program.

CHEM 200
Relativity and Quanta (3,1,0) 3 credits

Special relativity: Lorenz transformations; dynamics and conservation laws. Quantum Physics: the experimental evidence for quantization; a qualitative discussion of the concepts of quantum mechanics and their application to simple systems of atoms and nuclei. This course is the same as PHYS 200.

Prerequisite: PHYS 110/120 or PHYS 115/125, MATH 113/123 or MATH 114/124 or MATH 115/125

Note: Credit will not be given for both CHEM 200 and PHYS 200

CHEM 210
Introductory Analytical Chemistry (3,0,3)(L) 3 credits

This course introduces 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.

The laboratory component will consist of experiments designed to enable students to work with state-of-the-art instrumentation used in many commercial and research laboratories. Analysis of samples of clinical, environmental, and biochemical interest will be carried out to illustrate some of the topics discussed in lectures.

Prerequisite: CHEM 150 (minimum C- grade) and either CHEM 151 or 152 (minimum C- grade)

CHEM 212
Organic Chemistry 1 (3,1,3)(L) 3 credits

A study of the compounds of carbon with an emphasis on reaction mechanisms to illustrate the basic principles of organic chemistry. Topics will include structure and bonding, preparations and reactions of the functional groups, and stereochemistry. Biological and biochemical applications will also be discussed. The laboratory will illustrate basic separation, purification and identification techniques. Spectroscopic techniques will be introduced.

Prerequisite: CHEM 150 (minimum C- grade) and either CHEM 151 or 152 (minimum C- grade)

Note: ECHE 111/ECHE 121 are not prerequisites for second year Chemistry courses. Engineering students who may wish to take second year Chemistry courses should meet with their Engineering Advisor and the Chair of the Department of Physical Sciences as early as possible.

CHEM 216
Structure, Bonding and Spectroscopy (3,0,0) 3 credits

This course develops fundamental quantum ideas in Chemistry and applies them to topics in chemical bonding and spectroscopy. Bonding concepts will revolve around electrostatic models applied to ionic compounds and transition metal complexes. Covalent bonding will be approached from the molecular orbital point of view and survey homo- and heteronuclear diatomics and briefly consider larger molecules. Fundamental concepts in spectroscopy will be introduced. Vibrational, electronic, nuclear magnetic resonance (nmr) and electron spin resonance (esr) spectroscopy will be covered. Fundamental aspects of symmetry will guide several of these treatments.

Prerequisite: CHEM 150 (minimum C- grade) and either CHEM 151 or CHEM 152 (minimum C- grade)

CHEM 222
Organic Chemistry 2 (3,1,3)(L) 3 credits

A continuation of CHEM 212.

Prerequisite: CHEM 212 (C- minimum)

CHEM 225
Fundamentals of Physical Chemistry (3,0,3)(L) 3 credits

This course is intended for science majors. It introduces chemical kinetics and thermodynamics with applications to gas behaviour and phase and reaction equilibria.

The laboratory portion of the course involves preparative and kinetic studies as well as the experimental study of aspects of thermodynamic measurements.

Prerequisite: CHEM 150 (minimum C- grade) and either CHEM 151 or 152 (minimum C- grade); MATH 123 or 124 or 125 (MATH 211 is strongly recommended)

Note: Students with credit for CHEM 211 and CHEM 221 will not receive credit for CHEM 215 and CHEM 225.

CHEM 301
Aqueous Environmental Chemistry (3,0,0) 3 credits

This course introduces students to 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 210/225 (C- minimum), CHEM 212/222 (C- minimum) is recommended.

CHEM 302
Atmospheric Environmental Chemistry (3,0,0) 3 credits

Introduction to structure, composition and chemical processes occurring in Earth's atmosphere, including interactions with solar radiation, stratospheric ozone layer, photochemical smog and acid rain.

Prerequisite: CHEM 216/225 (C- minimum)

CHEM 303
Environmental Geochemistry (3,0,0) 3 credits

This course will examine the complex relationship between environmental factors and the geochemical history of surface and sub-surface rocks. This course is the same as GEOL 303.

Prerequisite: GEOL 111 and CHEM 225 (minimum C- grade)

Note: Credit will not be given for both CHEM 303 and GEOL 303

CHEM 306
Physical Chemistry 1 (3,0,0) 3 credits

Upper-level chemistry course that assumes some prior knowledge of physical chemistry. The course is divided into four sections: phase equilibrium, chemical equilibrium, solutions of electrolytes and electrochemistry.

Prerequisite: CHEM 216/225 (C- minimum); CHEM 212/222 (C- minimum) is recommended

CHEM 307
Physical Chemistry 2 (3,0,0) 3 credits

This course is a continuation of CHEM 306. The course 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 306 (C- minimum)

CHEM 308
Physical Chemistry Laboratory (0,0,4)(L) 1 credit

In this laboratory course a selection of physical chemistry experiments will be carried out which illustrate various physical chemical principles.

Prerequisite: CHEM 306 (C- minimum)

CHEM 310
Instrumental Analysis (3,0,0) 3 credits

This course will introduce the student to the wide range of instrumental methods used in chemical analysis as they are applied to modern analytical chemistry. The course involves an introduction to statistical evaluation of chemical data, electrochemical methods, optical spectroscopic methods, mass spectrometry and chromatography.

Prerequisite: CHEM 210/225 (C- minimum)

CHEM 312
Instrumental Analysis Laboratory (0,0,4)(L) 1 credit

This laboratory course is designed to accompany CHEM 310 and will provide practical, hands-on laboratory experience in performing chemical analysis using chemical instrumentation encountered in CHEM 310. The student will perform statistical evaluations of experimental chemical data.

Prerequisite: CHEM 210/225 (C- minimum), CHEM 310

Corequisite: CHEM 310

CHEM 314
Method Development and Applications in Analytical Chemistry (3,0,0) 3 credits

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 310/312 (C- minimum)

CHEM 317
Instrumental Analysis Laboratory for Chemical Biology (0,0,4) 1 credit

A laboratory course designed to give students practical hands-on experience with the instrumentation discussed in CHEM 310, with a focus on the needs of Chemical Biologists. Students will perform a variety of chemical analyses and gain independent experience in analytical experimental design and method application to real samples.

Prerequisite: CHEM 210 and 225 (minimum C- grade)

CHEM 322
Advanced Organic Chemistry (3,0,0) 3 credits

This is a lecture course that covers 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 212/222 (C- minimum)

CHEM 323
Organic Spectroscopy (3,0,0) 3 credits

This is a lecture course that covers 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 NMR spectroscopy, for determining the structures of pure organic compounds.
Prerequisite: CHEM 212/222 (C- minimum)

CHEM 324
Organic Chemistry Laboratory (0,0,4)(L) 1 credit

In this laboratory course a selection of organic chemistry experiments are designed to develop synthetic skills and application of spectroscopic techniques to organic molecules.
Prerequisite: CHEM 212/222 (C- minimum)

CHEM 331
Inorganic Chemistry 1 (3,0,0) 3 credits

This is a lecture course designed to introduce students to the varied aspects of transition metal chemistry and a wide variety of techniques which have been applied to these systems. Some topics to be included are 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 will be developed and applied to electronic spectra and magnetic properties. Application to some bioinorganic systems will be introduced.
Prerequisite: CHEM 216/225 (C- minimum)

CHEM 332
Inorganic Chemistry 2 (3,0,0) 3 credits

This is a lecture course designed to introduce students to the varied aspects of main group chemistry and a wide variety of techniques which have been applied to these systems. Some topics to be included are 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 331 (C- minimum)

CHEM 333
Inorganic Chemistry Laboratory (0,0,4)(L) 1 credit

In this laboratory course a selection of inorganic chemistry experiments are designed to develop synthetic skills and application of spectroscopic and magnetic techniques to inorganic systems.
Prerequisite: CHEM 331 (C- minimum)

CHEM 373
Introduction to Biochemistry (3,0,0) 3 credits

Introduction to cellular chemistry. Structure and function of biological molecules including nucleic acids, enzymes and other proteins, carbohydrates, lipids and vitamins. Introduction to metabolic pathways and bioenergetics including DNA synthesis, transcription and translation, glycolysis, fermentation and respiration, oxidation of fatty acids, and photosynthesis.
Prerequisite: CHEM 150 (minimum C-) and either CHEM 151 or 152 (minimum C-); CHEM 212 and 222; BIOL 111 and acceptance into the Major in Chemistry or the Major in Environmental Chemistry Programs.

Note: This course is the same as BIOL 313 except it is only available to Chemistry and Environmental Chemistry Majors.

CHEM 407
Selected Topics in Physical/Environmental Chemistry (3,0,0) 3 credits

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.
Prerequisite: CHEM 301, CHEM 302 and CHEM 306 (C- minimum)

Corequisite: CHEM 301 and/or CHEM 302

Note: Either CHEM 409 or CHEM 407 is offered in the winter semester of "odd" numbered years.

CHEM 409
Introductory Computational Chemistry (3,0,0) 3 credits

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 be systematically improved. Computational chemistry methods will be applied to the investigation of various chemical/environmental problems.
Prerequisites: CHEM 306 (C- minimum); MATH 212 is recommended

Note: Either CHEM 409 or CHEM 407 is offered in the winter semester of "odd" numbered years.

CHEM 422
Selected Topics in Organic Chemistry (3,0,0) (Options A and B) 3 credits

This lecture course will 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.
Prerequisite: CHEM 322 (C- minimum)

Note: CHEM 422 is offered in the winter semester of "even" numbered years.

CHEM 432
Selected Topics in Inorganic Chemistry (3,0,0) (Options A and B) 3 credits

This lecture course will 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.
Prerequisite: CHEM 331 (C- minimum)

Note: CHEM 432 is offered in the winter semester of "even" numbered years.

CHEM 440
Advanced Analytical Chemistry Laboratory (0,1*,3*)(L) 1 credit

This is a half-semester (6 week) advanced laboratory course in Analytical Chemistry which is concerned with the application of instrumental methods to the chemical analysis of real sample types.
Prerequisite: CHEM 310/312 (C- minimum)

CHEM 441
Advanced Inorganic Chemistry Laboratory (0,1*,3*)(L) 1 credit

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 will be emphasized.
Prerequisite: CHEM 333 (C- minimum)

CHEM 442
Advanced Organic Chemistry Laboratory (0,1*,3*)(L) 1 credit

This is a half-semester (6 week) advanced laboratory course in Organic Chemistry which will illustrate advanced techniques and modern synthetic methods found in recent Organic Chemistry research literature.
Prerequisite: CHEM 322/323/324 (C- minimum)

Note: CHEM 323 may be acceptable as a corequisite with permission of the instructor.

CHEM 443
Advanced Physical and Environmental Chemistry Laboratory (0,1*,3*)(L) 1 credit

This is a half-semester (6 week) advanced laboratory course in Physical and Environmental Chemistry which will illustrate relevant Physical Chemistry principles in selected areas of Physical and Environmental Chemistry.
Prerequisite: CHEM 302/308 (C- minimum)

Note: CHEM 302 may be acceptable as a corequisite with permission of the instructor

CHEM 444
Advanced Chemical Biology Laboratory (0,1*,3*)(L) 1 credit

This course is a practical laboratory course that introduces students to advanced laboratory techniques in chemistry and molecular biology. The emphasis is on providing students with laboratory techniques and theory 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. Some experiments will incorporate a problems-based learning approach, where students must research background material in order to complete an assigned project experiment.
Prerequisite: CHEM 322/324 (C- minimum) and BIOL 323, BIOL 335 (C- minimum); BIOL 415/425 and CHEM 442 are recommended.

CHEM 445
Advanced Chemical Biology (2,1,3)(L) 3 credits

This course involves lectures and seminars on the interface of chemistry and biology along with a practical laboratory course which introduces students to advanced chemical biology techniques. The emphasis is on providing students with the knowledge and theory behind biological systems from a chemical perspective while exposing them 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. Advanced Chemical Biology will incorporate current journal articles and a problem-based learning approach that has students researching background material in order to complete an assigned project experiment.
Prerequisite: CHEM 322/323/324 (C-minimum); BIOL 323/335 (C- minimum)

CHEM 448
Directed Studies in Chemistry (L) 3 credits

Students will undertake an investigation on a specific topic involving experimental work as agreed upon by the student and her/his faculty supervisor and co-supervisor.
Prerequisite: Acceptance into Chemistry or Environmental Chemistry Major; approval of supervisor and co-supervisor

CHEM 460
Selected Topics in Applied Chemistry (3,0,0) 3 credits

This lecture course is divided into modules focusing on applied aspects of several branches of chemistry. The selection of modules available in any particular year may vary due to instructor availability. Some module 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.
Prerequisite: CHEM 306/310/322/331 (C- minimum) and permission of the instructor

Note: CHEM 460 is offered in the winter semester of "odd" numbered years

Child and Youth Care

CYCA 200
Introduction to Professional Foundations of Child and Youth Care (3,0,0) 3 credits

This course will introduce students to an overview of the Child and Youth Care field along with exploring the foundations of professional practice. Issues related to professional identity, ethical practice, and the principles influencing the field both historically and currently will be addressed. Students will understand the function of interdisciplinary teams, case management and children's rights, while exploring a variety of settings in which child and youth care practitioners are employed.
Prerequisite: None

CYCA 202
Theoretical Foundations in Child and Youth Care (3, 0, 0) 3 credits

This course introduces students to the concepts of theory and practice and how the two relate. Students will 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 will also be discussed.
Prerequisite: None.

CYCA 250
Special Topics (3,0,0) 3 credits

This course provides an opportunity to examine selected current issues in child and youth care.
Prerequisite: Admission to the Child and Youth Care Diploma program

CYCA 254
Guided Communication (3,0,0) 3 credits

This course will build on the self awareness and communication skills developed in HUMS 151. 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 child and youth care practitioner in helping children, youth and their families.
Prerequisite: Admission to the Child and Youth Care Diploma program

CYCA 262
Introduction to Self in Groups (3,0,0) 3 credits

This course will allow students to develop an awareness of themselves as group participants. As the course progresses, roles and styles of participation in groups will be explored. Communication skills will be practiced. Students will also learn how to prepare materials for, present, and lead a group learning process with children and youth.
Prerequisite: None.

CYCA 357
Law and Social Services (3,0,0) 3 credits

The objective is to provide students in Child and Youth Care and Social Work with an understanding of the Law as an expression of social policy, and of the processes by which laws are developed, enacted and changed; Family law and the Family Courts, with special reference to laws affecting children; human rights as they apply to social services; the organization of legal services and the legal accountability and liabilities of social workers, child and youth care workers and others in the social service field.
Prerequisite: Admission to the Child and Youth Care Diploma program

Note: Students will receive credit for only one of the following: SOCW 357, CYCA 357

Chinese

CHIN 111
Introductory Chinese 1 (4,0,0) 3 credits

The focus of this beginner's course is on the development of communicative skills in speaking, listening, reading and writing in modern standard Chinese (Mandarin) as well as on the culture of the Chinese speaking world. This course makes use of multimedia and computer programs to facilitate and enhance learning
Note: Students who have completed Chinese (Mandarin) in Grade 11 in secondary school or equivalent may not take this course for credit.

CHIN 121
Introductory Chinese 2 (4,0,0) 3 credits

The focus of this beginner's course is on the development of communicative skills in speaking, listening, reading and writing in modern standard Chinese (Mandarin) as well as on the culture of the Chinese-speaking world. This course makes use of multimedia and computer programs to facilitate and enhance learning.
Prerequisite: CHIN 111 or equivalent

Note: Students who have completed Chinese (Mandarin) in Grade 11 in secondary school or equivalent may not take this course for credit.

College Prep English as a Second Language

CESL Note

CESL courses are not currently offered. Please look under English as a Second or Additional Language (ESAL) (on page 251).

CESL 014
Basic Communication Skills (15,0,0) 5 credits

Students will develop confidence in speaking, listening and grammar skills and be able to integrate these skills to demonstrate improved fluency and accuracy at the high beginner level.
Prerequisite: Placement according to entry assessment.

CESL 016
Basic Reading and Writing Skills (10,0,0) 5 credits

This course will focus on reading strategies for approaching factual writing. Emphasis will be on vocabulary growth, and comprehension of the main idea and organization of a piece of writing. The writing will follow from the reading, with sentence form and sentence variety practiced.
Prerequisite: Placement according to entry assessment.

CESL 024
Integrated Communication Skills (15,0,0) 5 credits

This course is intended to assist students to improve their English by becoming acquainted with Canadian culture, the Kamloops community, and University life. Students will develop their listening and speaking skills. Basic grammar will be surveyed and reinforced.
Prerequisite: Satisfactory completion of CESL 014 (C+ or better), or entry assessment.

CESL 033
Grammar Study (5,0,0) 3 credits

Within the relevant academic contexts, a variety of more difficult structures in English grammar will be examined and practiced for a better understanding of their uses. Structures studied will include the tense aspect system; the uses of gerunds and infinitives; passive voice rearrangement; modal meanings, including their application in the conditional sense; and the use of prepositions and articles.
Prerequisite: Satisfactory completion of CESL 024 (C+ or better), or entry assessment.

CESL 053
Advanced Structure & Editing Skills (4,0,0) 3 credits

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 will be on accuracy, CESL 053 will also include logical analysis of the components of a composition, and editing for improved clarity and effectiveness.
Prerequisite: Satisfactory completion of CESL 048 (C+ or better), or by EPT placement.

Corequisite: CESL 054

ESL Electives

The ESL department will offer one or more of the following electives each semester. See the Department Chair if you have any questions or want more information.

CESL 080
English for International Marketing (4,0,1) 3 credits

CESL 080 teaches international students to comprehend and produce the language of marketing. This course is based upon an integration of language and content. The course is designed for students who want to develop job-ready communicative skills for career success.
Prerequisite: Satisfactory completion of CESL Level II or equivalent, or permission of the instructor or Chairperson.

CESL 081
Language Through Activity (5,0,0) 3 credits

The purpose of this course is to give students an opportunity to experience Canadian culture first hand and to interact with native speakers. Activities will vary according to season and may include high school or elementary school visits, drama, a ski-area visit (winter), canoe/camping (summer). This course includes practice in listening, speaking, reading and writing. Students need not have previous experience with any of the activities. A course fee covers expenses of activities outside of the University and varies according to the activities.
Prerequisite: Satisfactory completion of CESL Level II or equivalent, or permission of the instructor or Chairperson.

CESL 085
Pop Goes the World: English Language and Culture through Popular Media (5,0,0) 3 credits

Designed for high-intermediate to advanced students, CESL 085 will familiarize students with a variety of media in English, including song, film, and television, and provide them with strategies for increasing their comprehension of these media. This course will focus on informal English, particularly slang and idioms, and cultural references and background information which contribute to our understanding of our media environment. Students will be encouraged to become more involved in the cultural environment in which they are currently living.
Prerequisite: CESL 024 or equivalent.

CESL 086
ESL and the Internet (5,0,0) 3 credits

This course provides students the opportunities to use resources on the Internet to communicate and interact with other English speakers and to access authentic English language materials. Students learn how to use language by doing authentic tasks and projects and will develop skills they need for academic and occupational success.
Prerequisite: Satisfactory completion of CESL 024 or equivalent.

CESL 089
Canadian Studies (4,0,0) 3 credits

An elective designed to introduce international students to basic forces which shape life in Canada. The course will first examine regional and historical influences on Canadian life and then focus on daily life in contemporary Canada. Emphasis will be on familiarizing students with the reality of everyday life for a variety of Canadians.
Prerequisite: Satisfactory completion of CESL 024 or equivalent, or permission of the instructor or Chairperson.

CESL 093
Advanced Grammar Study (5,0,0) 3 credits

For high intermediate to advanced learners of English, CESL 093 is designed to improve their ability to recognize, understand and correctly use a variety of more difficult structures in English grammar. Students planning to continue their academic studies in various college programs or degrees will find this course valuable in preparing them to produce more complex written and oral English structures.
Prerequisite: Satisfactory completion of CESL 033 (C+ or better), or placement in Level IV or above.

CESL 095
Advanced English for Business Communication (10,0,0) 5 credits

This course prepares students to enter business-related courses by practising all four communicative skills - listening, speaking, reading and writing - using the vocabulary and formats of business communication. The course will include basic computer skills and will address the effect of cultural differences on communicative strategies. This course is strongly recommended by the Tourism Department.
Prerequisite: Satisfactory completion of CESL Level III or equivalent, or permission of the instructor or Chairperson.

CESL 097
Learning ESL through Drama (5,0,0) 3 credits

This is a performance class that uses role-plays, dialogues, simulations, improvisational games, play readings, short skits, radio plays, performances, response journals, as well as theatre and self-awareness exercises. Students will practice English using real-life situations in a safe supportive environment. This course will assist students to build self-confidence and to speak in front of other people.
Prerequisite: Satisfactory completion of CESL Level II or permission of the instructor or Chairperson.

Community & School Support

CSSW 165
Field Work (0,2,14) 4 credits

This course requires that students complete a practicum in a facility/agency/school that provides service to people with various challenges. This practicum gives students an opportunity to apply classroom learning to field experiences and helps students identify and address the issues and demands of work in this field.
Prerequisite: All Fall semester courses. Admission to the Human Service Programs.

Computer Automated Systems

CAST 210
Automation Fundamentals (60 hours) 2 credits

This course is composed of theory and practical assignments which investigate robot architectures, tooling design, fixture design and workcell design. Process planning and economic justification of automation is also investigated.
Prerequisite: ELEC 125

CAST 211
I/O Design with Gate Arrays (30 hours) 1 credit

This course is composed of theory and practical assignments which enable the student to install and configure personal computers (PC), design I/O interfaces, and use the PC as a control platform.
Prerequisite: ELEC 125

CAST 212
Intermediate Programming (60 hours) 2 credits

This course is composed of theory and practical assignments which enable the student to write programs in Qbasic / Visual Basic and create a GUI for industrial control.
Prerequisite: ELEC 125

CAST 213
Print Interpretation and Computer Aided Drafting (30 hours) 1 credit

This course is composed of theory and practical assignments which investigate the interpretation of standard mechanical and electrical blue-prints. The emphasis will be on the installation of work-cells. Practical assignments deal with precision measurement and metal working.
Prerequisite: CAST 210

CAST 214
Fluid Mechanics (60 hours) 2 credits

This course is composed of theory and practical assignments which investigate methods of actuating automated systems. Subjects include an introduction to pneumatics and hydraulics. Students will be required to design a cylindrical co-ordinate robot to be interfaced to a single board computer as the final project of this course.
Prerequisite: ELEC 125

CAST 215
AC/DC Actuators and Drives (30 hours) 1 credit

This course is composed of theory and practical assignments which investigate methods of actuating automated systems using electric actuators (AC, DC) . Mechanical linkages, statics and dynamics are also investigated.
Prerequisite: CAST 210

CAST 216
Introduction to Programmable Logic Controllers (60 hours) 2 credits

This course is composed of theory and practical assignments which investigate the operation, on-line/off-line programming, relay ladder logic, discreet I/O (AC, DC), and data manipulation programming techniques used in PLC's. Tactile and non-tactile sensors and interfacing is also investigated. IEC 1131-3 programming is introduced.
Prerequisite: CAST 210

CAST 217
Intermediate Programmable Logic Controllers (60 hours) 2 credits

This course is composed of theory and practical assignments which investigate the networking of PLC systems, configuring networked PLC systems, local and distributed I/O and the programming of networked PLC's.
Prerequisite: CAST 216

CAST 219
Microcontrollers (60 hours) 2 credits

CAST 219 is a course for students enrolled in the Electronics Computer Automated Systems Technician Program. The course will consider microcontroller system design and development using the MicroChip PIC micro-controller family. Software development will be done using assembler and the C programming language.
Prerequisite: ELEC 125, CAST 210

CAST 220
Advanced Programmable Logic Controllers (90 hours) 3 credits

This course is composed of theory and practical assignments which investigate networked PLC systems and analog, indirection, and SFC programming, I/O Bus Networks, IEC 1131-3 programming.
Prerequisite: CAST 217

CAST 221
Machine Vision (30 hours) 1 credit

This course is composed of theory and practical assignments which investigate machine vision theory, lighting, optics, programming and applications.
Prerequisite: ELEC 125

CAST 222
Data Acquisition (30 hours) 1 credit

This course is composed of theory and practical assignments which investigate data acquisition systems, transducers, instrumentation and interfacing.
Prerequisite: CAST 211

CAST 223
Intermediate Programming (60 hours) 2 credits

This course is composed of theory and practical assignments which investigate the C and C++ programming language with industrial applications.
Prerequisite: CAST 212

CAST 224
Robot Programming and Operation (90 hours) 3 credits

This course is composed of theory and practical assignments which investigate robot operation and control structures which enable the student to program the industrial grade robots in the lab.
Prerequisite: CAST 210

CAST 225
Automated Systems Commissioning and Service (90 hours) 3 credits

This course is composed of theory and practical assignments which investigate control theory of multi-axis servo controlled systems. The interface of master/slave/co-processor MPU's, primary and secondary memories, floppy-disk drives, I/O facilities, "E-stop" facilities, and servo PID loops. Regulated power supplies and multi-phase transformers are also investigated. The service and maintenance of automated systems (Control and mechanical units). The use of appropriate test equipment and methods of troubleshooting is stressed.
Prerequisite: CAST 224

CAST 226
Research Project (90 hours) 3 credits

This course is a practical course where the students will be assigned a task by the instructor or approved by the instructor which is designed to integrate all of the courses in the CAST program. This task will be the real time execution of an Industry sponsored project where the students must design, build, interface, program and commission an automated workcell or machine or process.
Prerequisite: CAST 225

Computer Systems Technician

CTEC 210
Intermediate and Advanced Microprocessors (60 hours) 2 credits

This course consists of theory and practical assignments, which investigate the function, operation and structures of the Intel family of processors, support devices and co-processors. The students will also investigate basic RISC and CISC principles.
Prerequisite: ELEC 125

CTEC 211
Advanced Test Equipment (60 hours) 2 credits

This course consists of theory and practical assignments to perform troubleshooting activities on complex digital and microprocessor circuits using state-of-the-art troubleshooting tools and techniques. The student will identify, build, modify and repair simple circuit boards.
Prerequisite: ELEC 125

CTEC 212
Personal Computer Hardware (90 hours) 3 credits

This course consists of theory and practical assignments to identify PC hardware and software components, use DOS maintenance-oriented commands and perform various maintenance activities on PC systems.
Prerequisite: CTEC 211

CTEC 213
Advanced DOS (60 hours) 2 credits

This course consists of theory and practical assignments to write and debug Config.Sys, Autoexec.Bat and other batch files to set-up a computer system to operate within DOS and Windows environments. The students will use memory mapping and apply virtual memory concepts.
Prerequisite: ELEC 125

CTEC 214
Personal Computer Peripherals (60 hours) 2 credits

This course consists of theory and practical assignments to select, configure, install, operate, troubleshoot and repair a variety of PC peripherals. The student will perform memory upgrades and troubleshoot memory errors.
Prerequisite: CTEC 212

CTEC 215
Basic Computing (60 hours) 2 credits

This course consists of theory and practical assignments to understand the basic principles of programming using 16-bit and 32-bit Debug and MASM. The student will use ML to view, repair and restore disk structures. The student will also investigate assemblers, compilers and object-programming concepts.
Prerequisite: ELEC 125

CTEC 216
Personal Computer Systems (60 hours) 2 credits

This course consists of theory and practical assignments to select, install and configure any DOS or Windows operating system and applications on a PC System. The student will also configure, select and install a PC and its peripherals and maintain any PC-based computer system.
Prerequisite: CTEC 213/214

CTEC 220
Intermediate Computing (90 hours) 3 credits

This course consists of theory and practical assignments to understand, debug and troubleshoot existing PC application programs as well as write new applications using Visual Basic.
Prerequisite: CTEC 215

CTEC 221
Basic Input / Output (60 hours) 2 credits

This course consists of theory and practical assignments to design and build simple interfaces for PC's. The student will investigate address decoding, bus buffering, identify PC I/O cycles, I/O buses and describe the components and methods of I/O transfers.
Prerequisite: CTEC 220

CTEC 222
Advanced Input / Output (60 hours) 2 credits

This course consists of theory and practical assignments to design and build complete interfaces for PC's and program their I/O's for operation within a DOS or Windows environment.
Prerequisite: CTEC 221

CTEC 223
Advanced Computing (60 hours) 2 credits

This course consists of theory and practical assignments to understand, debug and troubleshoot existing PC application programs as well as write new applications using C and C++. The student will be introduced to programming in DOS and Windows environments.
Prerequisite: CTEC 220

CTEC 224
Principles of Data Communications (30 hours) 1 credit

This course consists of theory and practical assignments to identify and describe the operation of hardware and software components of direct and modem communication systems. The student will install and configure software and hardware to establish communication links and monitor, diagnose, troubleshoot, and repair a variety of communication systems.
Prerequisite: CTEC 220

CTEC 225
Networks (60 hours) 2 credits

This course consists of theory and practical assignments to identify and describe the operation of hardware and software components of local, metropolitan and wide-area networks. The student will install and configure software and hardware to establish communication links and monitor, diagnose, troubleshoot, and repair a variety of Novell and Microsoft network systems.
Prerequisite: CTEC 224

CTEC 226
Research Project (90 hours) 3 credits

The projects are designed to integrate many of the course subjects studied in the CTEC program. The students must design, build, interface, program and commission a PC-based process. This is a practical course in which the students will research and complete a project approved or assigned by the instructor.
Prerequisite: CTEC 222/223

Computerized Manufacturing

CMFG 110
Computer Aided Design (CAD) for Manufacturing (3,0,2) (65 hours) 3 credits

This course introduces the student to the fundamentals of using Computer Aided Design software appropriate to manufacturing industries.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 112
Product Design and Production 1 (2,0,4) (78 hours) 3 credits

This hands-on course will introduce the student to the fundamentals of creating finished goods from raw materials. Topic will include: safe set up and use of equipment; units of measurement and tolerances; fundamentals of working with materials; machining and assembly; proper techniques and procedures for the production environment. This course will use wood as the primary material but will also discuss metals and plastics in discussion.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 113
Introduction to Programmable Logic Controllers (PLC's) (3,0,2) (65 hours) 3 credits

This course introduces the student to the fundamentals of Programmable Logic Controllers (PLC's) and how they are used in the control of production machines and equipment.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 114
Machine Components (3,0,2) (65 hours) 3 credits

This course is intended to familiarize the student with the concepts of the basic design principles and mechanical power transmission of various machines and material handling systems used in the manufacturing industry.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 115
Electronic Tracking (3,0,2) (65 hours) 3 credits

This course introduces the student to the fundamentals of computer operation, electricity and how the computer interfaces with various electronic tracking systems found in the manufacturing industry.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 120
3-D Solids Modeling and Reverse Engineering (2,0,4) (78 hours) 3 credits

This course adds a new dimension to computers and Computer Aided Design (CAD) programs. 3D solids modelling software programs and digitizing allow you to start with ideas, sketch, drawing, picture or physical model. The software provides the tools to accurately model your designs, ready for rendering, animation, drafting, engineering, analysis and manufacturing.
Prerequisite: CMFG 110 or equivalent (as determined by instructor)

CMFG 121
Product Design and Production 2 (2,0,4) (78 hours) 3 credits

This course is a continuation of Product Design and Production 1.
Prerequisite: CMFG 112 or equivalent (as determined by instructor)

CMFG 122
Introduction to Computer Numerically Controlled (CNC) Programming (2,0,4) (78 hours) 3 credits

This course introduces the student to the fundamentals of programming the G and M codes used in Computer Numerical Control (CNC) for manufacturing equipment.
Prerequisite: Previous computer experience with permission of instructor

CMFG 123
Fluid Mechanics (3,0,2) (65 hours) 3 credits

This course will provide an introduction to pneumatic and hydraulic systems, which consists of theory and practical assignments that investigate methods of actuating various conventional and automated equipment.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 124
Material Finishing and Adhesive Technology (3,0,2) (65 hours) 3 credits

This course will explore finishing options and adhesive characteristics suitable to wood, metals and plastics. Students will examine various types of application equipment and set-up, operate and maintain conventional and HVLP spray equipment.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 210
Wood Technology (3,0,2) (65 hours) 3 credits

Wood science, including structure, properties and drying technology will be examined. Value added wood products will be explored with emphasis on suitability, availability and supply issues.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 211
Wood Machining (2,0,4) (78 hours) 3 credits

Cutting technology and processes for machining finished wood products such as moulding, flooring and dimension lumber will be examined. Students will create templates, grind knives, perform maintenance and produce a finished product with the moulder.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 212
Computer Controlled Hydraulic and Pneumatic Systems (3,0,2) (65 hours) 3 credits

This course is designed to provide an introduction into computer controlled hydraulic and pneumatic systems. The course consists of theory and practical assignments that investigate the operation and interfacing of computer-controlled hydraulic and pneumatic system components such as tempesconics, servo valves, proportional valves, PLC motion cards, HMI's and hydraulic and pneumatic components.
Prerequisite: CMFG 115 and CCMFG 123

CMFG 213
Computer Aided Manufacturing (CAM) 1 (2,0,4) (78 hours) 3 credits

This course consists of theory and practical assignments that investigate advanced machining techniques such as the work cell production system. Students will utilize various Computer Aided Manufacturing (CAM) software and Computer Numerical Control (CNC) equipment.
Prerequisite: CMFG 110 and CMFG 122 or equivalent with instructor's permission

CMFG 214
Manufacturing Industry Issues (2,1,0) (39 hours) 3 credits

This course presents the basic principles involved in the management and organization of a manufacturing business. An introduction to marketing, management, human resources management and production will be provided. Topics will include applicable software, stress management, markets and incentives. Examples specific to the manufacturing industry will be used.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 215
Metal Technology (3,0,2) (65 hours) 3 credits

This course will explore the science of metals and machining. Students will manufacture metal components using CNC equipment.
Prerequisite: CMFG 114

CMFG 220
Work Design (3,0,0) (39 hours) 3 credits

This course presents the basic principles that provide a foundation for successful application of motion – time study, human-machine relationship and performance rating. Various methods used to determine the most effective ways of performing work will be examined. Examples specific to the wood, metals and plastics industries will be used.
Prerequisite: Admission to the CMFG program on a full or part-time basis

CMFG 221
Process Control (3,0,2) (65 hours) 3 credits

This course consists of theory and practical assignments that investigate the various types of process control systems, components and interfacing programs used in the wood, metal and plastics industries.
Prerequisite: CMFG 113 and CMFG 115 or equivalent with instructor's permission

CMFG 222
Flexible Manufacturing Systems (3,0,2) (65 hours) 3 credits

This course consists of the theory and practical assignments that investigate the commonly used material handling methods. Vision systems and smart technology will be introduced.
Prerequisite: CMFG 115, CMFG 113 and CMFG 221 or equivalent with instructor's permission

CMFG 223
Computer Aided Manufacturing 2 (2,0,4) (78 hours) 3 credits

A continuation of Computer Aided Manufacturing (CAM) 1. Advanced techniques including 3D surfaces, Computer Aided Engineering (CAE) software and 3D reverse engineering will be utilized.
Prerequisite: CMFG 110, CMFG 120, CMFG 122, CMFG 213 and CMFG 215 or equivalent with instructor's permission

CMFG 224
Plastics Technology (3,0,2) (65 hours) 3 credits

This course will explore the science of plastics and plastic products. Students will examine various manufacturing methods such as, vacuum forming, dome blowing, extrusion and injection molding.
Prerequisite: CMFG 114

CMFG 225
Research Project (1,0,5) (78 hours) 3 credits

This course allows the student to research a project or process in the wood, metal or plastics industry, and manufacture the product or improve on the process. The course is a practical course where the student will be assigned a project that is designed to integrate courses used in the Computerized Manufacturing Technology program.
Prerequisite: All other Computerized Manufacturing Technology Program courses

Computing Science

COMP 040
Fundamentals of Computing (0,0,5) 1 credit

ABE – Intermediate: This course is designed to introduce students to the microcomputer environment at a basic level. Students will become familiar with computer equipment, terminology and applications. They will also gain basic skills using Microsoft Windows, file management, word processing and keyboarding.
Note: This course is taught by the University Preparation Department

COMP 050
Introduction to Micro Computers (1,0,4)(L) 2 credits

ABE – Advanced: This course is designed to introduce students to the micro computer environment at an intermediate level. Students will become familiar with Microsoft Windows, file management, word processing, spreadsheets, and the Internet. Historical and social issues arising from the use of computer technology is also covered.
Note: This course is taught by the University Preparation Department.

COMP 060
Introduction to Programming (2,0,4) (L) 3 credits

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 113. It assumes no previous experience on computers and aims to develop problem solving skills and knowledge of a computer language. Students will learn the VISUAL BASIC 6 programming language.
Prerequisite: Principles of Math 11 or MATH 051, COMP 050 or instructor's permission.

Note: This course is taught by the University Preparation Department.

COMP 065
Introduction to Desktop and Web Publishing (0,2,3) 3 credits

ABE – Provincial: This is a computer studies application course intended to develop problem-solving and critical thinking skills using computer application software. Students will develop Desktop Publishing and Internet skills, including writing a Web page and conducting research over the Internet.
Prerequisite: COMP 050 (or equivalent), ENGL 050 (or equivalent) or instructor's permission.

Note: This course is taught by the University Preparation department.

Computing note:

Prerequisites: To qualify for a prerequisite, a mark of C or better must be achieved.

COMP 100
Introduction to Information Technology (3,0,1)(L) 3 credits

COMP 100 provides students with an introduction to the "computer world," enhancing their ability to use computer resources in common, everyday tasks. This introduction gives the basic computer knowledge required to be an effective academic student as well as be competitive in the modern workplace. Students will acquire an understanding of the computer as a collection of resources (local and global), and will learn how to use those resources to complete assignments and projects, whether at school or in the workplace. The knowledge gained will give the learner the ability to adapt to further advances and changes in information technology.
Prerequisite/Corequisite: None

Notes:

1. Students may not receive credit for more than one of COMP 100, COMP 135, COMP 191, COMP 170, BBUS 137 and BBUS 237

2. Students planning on completing a Major in Computing Science or Mathematical Sciences are NOT required to complete COMP 100.

COMP 113
Computer Programming 1 (3,1,1)(L) 3 credits

An introduction to the use of structured problem solving methods, algorithms, structured programming, and object-oriented programming. The student will 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 will be 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.

Prerequisite: Completion of COMP 060 or C+ or better in Principles of Math 12 (MATH 060/061), or C+ or better in Physics 12, or instructor's written consent.

Notes:

1. Students may obtain credit for only one of COMP 113 and COMP 152.

2. Students with previous programming experience (if-else, loops, arrays) in a language other than Java, should take COMP 212.

COMP 114
Visual Basic Computer Programming 1 (3,1,1)(L) 3 credits

An introduction to the use of structured problem solving methods, algorithms, structured programming, or object-oriented programming as well as event-driven programming. The student will learn to use a high level programming language to design, develop, and document well-structured computer programs using software engineering principles. This course is intended for students enrolled in the CSOM program. The language used in the course is Visual Basic.NET.

Prerequisite: Admission to the Computer Systems: Operations and Management Diploma.

COMP 123
Computer Programming 2 (3,1,1)(L) 3 credits

This course is a continuation of COMP 113 and provides 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. The course will continue the discussion of object oriented programming and will provide an introduction to data structures, sorting and searching.

Prerequisite: COMP 113 or equivalent

Note: Students may not receive credit for more than one of COMP 123 and COMP 212.

COMP 124
Visual Basic Computer Programming 2 (3,1,1)(L) 3 credits

This course is a continuation of COMP 114 using Visual Basic.NET and provides a foundation for further studies in computing science. 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. The course will introduce the concepts of data abstaction, encapsulation and inheritance, as well as the notion of information hiding and objects. There will also be an introduction to more complex data structures, files and databases. The use of a report writer (Crystal Reports) will be covered as well as the management of exceptions in programs and classes. The course will also cover an introduction to the creating of web applications using VB.NET, ADO.NET and ASP.NET. A brief introduction to the understanding of XML and creating web services will also be covered.

Prerequisite: COMP 114 with C- or better

COMP 135
Information Systems and Computerized Information Analysis (3,1,1) 3 credits

The purpose of the course is to introduce computer terminology and system development techniques as they apply to information systems within the discipline. Students will be taught the principles and usage of computerized systems for data gathering, analysis, and reporting. Students will be taught 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. A comprehensive case study integrating various software environments that students will likely encounter in the work place will be used in this course.

Note: Students may not receive credit for more than one of COMP 100, COMP 135, COMP 191, COMP 170, BBUS 137 and BBUS 237

COMP 138
Discrete Structures 1 for Computing Science (3,1,1) 3 credits

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: C+ or better in any of Principles of Math 12, Applications of Math 12, or MATH 061; or B or better in MATH 060, or C+ or better in Physics 12, or instructors written consent

Notes:

1. Same as MATH 138

2. Students may not receive credit for more than one of COMP 138 and 220

COMP 139
Discrete Structures 2 for Computing Science (3,1,1) 3 credits

A continuation of COMP 138, this course introduces further mathematical concepts used in computing science. Topics covered include relations, functions, graph theory, binary trees, languages, grammars, finite state machines, an introduction to proofs and mathematical induction, and algorithm analysis.

Prerequisite: C or better in COMP 138 or MATH 138, or MATH 107, or instructor's written consent

Notes:

1. Same as MATH 139

2. Students may not receive credit for more than one of COMP 139 and 220

COMP 152
Principles of Software Development (3,0,2)(L) 3 credits

A practical introduction to problem-solving on an electronic digital computer, emphasizing a structured approach to the design of algorithms and a good programming style. In the course we will introduce and use several high level programming languages used in the field of Engineering. The course is very similar to COMP 113 but is directed mainly at engineering students with the emphasis placed on engineering applications.

Prerequisite: Acceptance into the engineering program at TRU, or completion of Computer Science 12, or completion of COMP 060, or grade of "B" or better in Principles of Math 12

Note: Students may obtain credit for only one of COMP 113 and COMP 152.

COMP 157
Introduction to Data Processing Principles (3,1,1)(L) 3 credits

An introduction to the principles of data processing in business applications. Throughout the course students will work with and on computer problems which are encountered in business, such as accounting applications, data validation and storage, and report creation procedures. The student can expect to do a substantial amount of structured programming in this course using the COBOL language.

Prerequisite: Admission to the Computer Systems: Operations and Management Diploma Program.

COMP 167
Introduction to File Processing (3,1,1)(L) 3 credits

This course is a continuation of the topics in COMP 157. The concentration is on the more advanced features of data processing and file handling. Topics include procedures for handling sequential, index sequential and relative files, file updating techniques, data sorting and merging, specialized, input and output, and screen handling methods. In addition, there is a substantial section on software testing methodology. COBOL will be used in this course.

Prerequisite: C- or higher in COMP 157 or written permission of the instructor.

COMP 170
Introduction to Computing (3,0,1)(L) 3 credits

This course is intended for non-science students and non-mathematics students and is designed to offer a general introduction to the world of computers including the terminology, their history, their uses and impact on society, and their programming. During the labs, the student will learn how to operate and use a microcomputer, and some common microcomputer software such as Windows, word processing, spread sheets, presentation packages and graphics. The Internet as a research tool will also be introduced. Programming will also be learned.
Prerequisite: None

Notes:

1. COMP 170 is not recommended for students in the BBA program. These students should register in BBUS 137.

2. Students may not receive credit for more than one of COMP 100, COMP 135, COMP 191, COMP 170, BBUS 137 and BBUS 237.

3. This course is not currently offered. Interested students should enroll in COMP 100.

COMP 191
Introduction to Computers and Business Information Systems (1,1,2)(L) 3 credits

An introduction to 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 will also be discussed.
Prerequisite: Admission to the Marketing/Management, Horticulture Business Diploma or Tourism programs.

Note: Students may not receive credit for more than one of COMP 100, COMP 135, COMP 191, COMP 170, BBUS 137 and BBUS 237.

COMP 198
Foundations of Computing Science (3,2,0)(L) 3 credits

The course will provide breadth in the area of Computing Science for Computing Science Majors. Topics: 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; ethical and societal considerations.
Prerequisite: COMP 113

Corequisite: COMP 123

COMP 212
Computer Programming Java (3,1,1) 3 credits

An introduction to programming, and program design using the Java programming language. Because this is a programming course the requirements placed on the student are much beyond that of just using the computer as a tool. The student must employ problem solving skills to evaluate and solve word problems and then create Java programs using the basic language constructs to implement the solutions. This course is designed for students who have had exposure to a programming language, other than Java.
Prerequisite: Programming experience in a language other than Java, or by pretesting.

Notes:

1. This course covers the contents of COMP 113 and COMP 123, and is intended for students with previous programming experience in a language other than Java.

2. Students may not receive credit for more than one of COMP 123 and COMP 212.

COMP 213
Introduction to Computer Systems (3,1,1)(L) 3 credits

The objectives of this course are: (a) to provide basic concepts of computer systems; (b) to introduce computer architecture; and (c) to teach an assembly language. Topics will include computer structure and machine language, assembly language, addressing techniques, macros, file I/0, program segmentation and linkage and assembler construction.
Prerequisite: (COMP 138 or MATH 170) and (COMP 123 or COMP 212) or written consent of instructor

COMP 223
Data Structures, Algorithm Analysis and Program Design (4,1,1)(L) 4 credits

The objectives of this course are: (a) to apply analysis and design techniques to non-numerical algorithms which act on data structures; (b) to utilize algorithmic analysis and design criteria in the selection of methods for data manipulation; (c) introduction to techniques for designing and implementing programs of intermediate complexity. The course continues the study of data structures and non-numerical algorithms begun in the first year. The course will include basic data structures such as stacks, queues, lists and trees as well as algorithm design and analysis, hash tables, sorting and searching. A number of group programming projects will be completed by students.
Prerequisite: (COMP 139 or MATH 170) and (COMP 123 or COMP 212 or COMP 124 or equivalent) or written consent of instructor

COMP 252
Programming in C++ (3,0,1)(L) 3 credits

C++ is a popular programming language in the computer industry. This course will cover the essentials of the C++ language, the implementation of commonly used data structures using C++ and the program design methodology will be object oriented programming.
Prerequisite: COMP 114, COMP 124, COMP 157 and COMP 167

COMP 253
Small Computer Systems: Organization and Architecture (3,2,0)(L) 3 credits

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. The second part of the course introduces the principles of operating systems, including the management of computer system resources, and provides an overview of current popular small systems operating systems. Topics are complemented by a seminar type workshop to give the learner hands-on experience with maintenance, configuration troubleshooting, upgrading, optimization, and usage of major small computer systems.
Prerequisite: Admission to the Computer Systems: Operation and Management Program.

COMP 254
Information Resource Management and Issues (3,1,0)(L) 3 credits

Information Systems (IS) are an important service to organizations and the management of IS is important to understand both for the employee in the organization and for individuals interested in becoming IS managers in the future. This course will look at IS management and how it must effectively address the needs and imperatives of organizations, technologies and society. The computer profession has emerged as an essential player in organization as they vie for improved competitive positions by making strategic use of computer technology. Topic studies will include an overview, duties and organization of IS departments (including control of resources, staffing, security and disaster plans), organization IS to support end-user computing, the quality of life, work, professionalism and ethics. Case studies will be used to explore the topics.
Prerequisite: Successful completion of 1st year of CSOM and COMP 257 or instructor's written consent.

COMP 256
Database Processing (3,0,1)(L) 3 credits

This course introduces students to the concept of Database Processing. Fundamentals of I/O processing, File Organizations and Data Structures are examined in the context of Database systems. Database models, design, implementation and administration form a major portion of the course. Students will also implement a database project using a current DataBase Management Systems (DBMS) on microcomputers.
Prerequisite: COMP 124 and COMP 167, or instructors' written consent.

COMP 257
Systems Analysis and Design 1 (3,1,0) 3 credits

This course introduces the topics of 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: 1st year CSOM or instructor's written permission

COMP 259
Program Design and Data Structures for Engineers (4,3,0) 3 credits

This course teaches the student about the two main aspects of Computer Software, Data Structures and Algorithms and about developing medium sized programs (as opposed to suites of programs). The programming paradigm will be object oriented. When the student has completed the course the student should have acquired the following: 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; skills appropriate for small team programming projects; 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 152 or COMP 113.

COMP 262
E-Commerce Systems Development (3,1,0) 3 credits

This course will introduce students to the design, implementation, and operation of Electronic Commerce systems. Emphasis will be placed on the technology involved in creating Web databases, data marts, data mining systems, and Interactive Data Warehousing. The course will also discuss financial issues (electronic payments system, customs, and taxation), privacy, security, and legal issues. Students will be required to prepare a team project of a working E-Commerce system using a variety of current tools. Upon completion, students should have a good understanding of the basic building blocks (concepts and technology) and their interrelations in the E-Commerce system. Students will be able to develop a small size E-Commerce transaction processing system using current tools.

Prerequisite: Successful completion of 3rd semester CSOM or instructor's written consent.

Corequisite: COMP 264

COMP 263
Small Computer Systems: Communication and Networks (3,1,0)(L) 3 credits

Current advances in computer technology are bringing 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. Attention is dedicated to Local Area Networks, their organization, maintenance, and installation. A discussion of information transfer and data communication is followed by an overview of computer networks. Also included is an in-depth discussion of LANs, their design, installation, maintenance, administration, and their updating, as well as issues of data security, data backups and recovery. The course concludes with a discussion of LAN access to Wide and Global computer networks.

The course is supported by a series of hands-on practical workshops and seminars on the design, installation, and administration of typical LAN system.

Prerequisite: COMP 253 or instructor's written consent.

COMP 264
Languages - Advanced Programming (3,1,0)(L) 3 credits

The course covers advanced programming techniques using object-oriented methodology for enterprise design and implementation. The following topics will be 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, (3) Client Server techniques used for distributed systems and for use over the Internet. Visual Basic will be the programming vehicle used in this course.

Prerequisite: COMP 124 with a C- or better, COMP 256, COMP 257 and COMP 167

Corequisite: COMP 262 and COMP 266

COMP 266
Introduction to Object Oriented Programming (3,1,0)(L) 3 credits

This course will introduce students to object oriented design and programming. The concepts of objects, inheritance, encumbrance, polymorphism, methods and messages will be discussed.

Prerequisite: Completion of 3rd semester CSOM and C- or better in COMP 252 or instructor's consent.

COMP 267
Systems Analysis and Design 2 (3,1,0) 3 credits

A continuation of COMP 257. This course must be taken in conjunction with COMP 262. In the course students will carry out a detailed analysis of an existing business system and under guidance of the management of the system studied, will design an improved system. Topics to be studied 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 your graduation semester.

Prerequisite: Completion of 3rd semester CSOM.

Corequisite: COMP 262

COMP 268
Special Topics in Computing (2,2,0)(L) 3 credits

This course introduces selected current computing topics. Possible topics include multimedia, executive information systems, web site design and programming, etc. This course may make use of guest lecturers and case studies.

Prerequisite: Completion of 1st year CSOM.

COMP 291
Computer Applications in Business (2,0,2)(L) 3 credits

This is a business software applications course for students in Tourism programs. Building upon computer skills acquired in COMP 191, students in this course will complete business-related software projects. The emphasis of the course will be on computer applications in the tourism industry. In addition, a common thread throughout the course will be the application and integration of communications technologies with business software. Students will make extensive use of the World-Wide-Web and internet-based applications.

Prerequisite: ACCT 100, COMP 191.

Computing Science Degree notes:

Students entering BTACS must see the BTACS coordinator before registering for BTACS courses.

Students taking the Computing Science major, or the Mathematical Sciences major, in the B.Sc. program must see the B.Sc. advisor before registering in 3rd or 4th year courses.

To qualify as a prerequisite, a mark of C or better must be achieved in the course.

COMP 305
Algorithm Design & Analysis (3,1,0)(L) 3 credits

Algorithm definition; tools and methods for algorithm analysis and design; mathematical notations; choice of data structure, space and time efficiency; computational complexity; and algorithms for searching and sorting.

Prerequisite: COMP 223

COMP 311
Models of Computation (3,1,0)(L) 3 credits

Computer Science is the study of computers and programs, the collections of instructions that direct the activity of computers. The computers are made of simple elements but they perform very often a very complex task. The great disparity between the simplicity of the computers and the complexity of computational tasks offers intellectual challenges of the highest order. 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 bond on the size and depth of the circuits for important problems), automata (finite-state, random-access, Turing machines), formal languages and computational complexity (time and space bounded complexity classes, space-time tradeoffs).

Prerequisite: COMP 213 and COMP 223

COMP 312
Programming Languages (3,1,0)(L) 3 credits

This course is a comparative study of programming languages including their syntax, semantics and run-time behaviour. It covers data abstraction, programming paradigms (functional, object oriented, procedural, relational) and their appropriate applications. Interpretation versus compilation as well as concurrent computations will be discussed.

Prerequisite: COMP 223

COMP 313
Formal Languages, Automata & Computability (3,1,0) 3 credits

This course includes formal grammars, normal forms, relationship between grammars and automata, regular expressions, finite state machines, pushdown automata, turing machines computability, The Halting Problem, Introduction to Recursive Function Theory, application to programming languages, editors and command languages (operating systems).
Prerequisite: COMP 213 and COMP 223

COMP 314
Object Oriented Design and Programming (4,1,0)(L) 3 credits

This course will introduce students to object oriented design and programming. Upon completion, students should have a good understanding of object oriented design and programming including understanding and developing console based applications in C++, Visual C++ applications, Visual Basic .Net and an introduction to Microsoft Foundation Classes (MFC) and inter-object communication. Students will be able to design and develop systems using object-oriented design and programming methodologies in console and Windows based applications. They will also have an introductory knowledge base in MFC such that they can analyze and use these library functions in application development.
Prerequisite: COMP 123

Corequisite: COMP 223

COMP 315
Java Programming (3,1,0) 3 credits

The Java programming language is a modern object oriented language designed with two very important features: 1. platform independence allowing program to be executed on different machines and under the control of different operating systems; 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 four parts: overview of the Java environment, syntax, and libraries; OO program design in java; program design in Java for the internet (applets, servlets); multiprogramming in Java (multithreading).
Prerequisite: COMP 223

COMP 327
Computer Networks (3,0,1)(L) 3 credits

The main emphasis is on organization and management of LANs. The course objectives are: to learn about computer network organization and implementation and to obtain a theoretical understanding of data communication and computer networks and practical experience in installation, monitoring and troubleshooting of current LAN systems. The course introduces computer communication network design and its operations. The course includes the OSI communication model, error detection and recovery, local area networks, bridges, routers and gateways, network naming and addressing, and local and remote procedures. On completion of the course the student should be able in part to design, implement and maintain a typical computer network (LAN).
Prerequisite: COMP 213

Corequisite: COMP 223

COMP 332
Computational Methodology (3,1,0) 3 credits

This course covers selected topics in numerical computations with emphasis on computer arithmetic, analysis of roundoff errors, propagation of errors and environmental parameters. It includes the study of computational methodology as applied to solving problems in Numerical Linear Algebra (Direct and Iterative Methods), non-linear equations and non-linear systems of equations. The students will be introduced to the use of numerical software libraries and the design of numerical software packages.
Prerequisite: COMP 223

COMP 341
Operating Systems (3,1,0)(L) 3 credits

This course discusses principles and techniques for the design and implementation of operating systems: computer resource management (memory management, processor management, I/O management, file management, process management and security management) and process communication. Additionally covered are: Job Control Language and batch processing, case study of some operating systems, Real Time OS, and Concurrent computations. This course includes a practical OS design project.
Prerequisite: COMP 223

COMP 351
System Implementation/Development Tools (3,1,0)(L) 3 credits

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 223

COMP 352
Software Engineering (3,1,0)(L) 3 credits

This course introduces students to large-scale software development including software design, implementation and maintenance. Topics included are: software life cycle, design techniques, Psychology and Economics of software testing, organization and management of modular inter-communications, software engineering tools, project management including resource estimation, team organization and review. The students will apply these techniques to develop a software project.
Prerequisite: COMP 223 and (ENGL 129 or ENGL 193 or ENGL 229 or ENGL 230 or equivalent technical English)

COMP 354
Web Site Design & Programming (3,1,0)(L) 3 credits

This course covers all major aspects of WEB site design and programming including HTML, HTTP, Java and Visual Basic Scripting as well as Java web programming. The course also includes advanced techniques in HTML programming (frames and style sheets) and concurrent programming for the web (multithreading). This course concentrates mainly on client-side web programming with an introduction to server-side web programming.
Prerequisite: COMP 223

COMP 361
Database Systems (3,1,0)(L) 3 credits

This course introduces students to database concepts. It reviews the underlying data structures that make up databases; trees, simple networks and complex networks, link lists and inverted list (indexes). Database design techniques are introduced using both the Entity Relationship model as well as an object oriented approach to designing database systems. The relational database model and data normalization will be taught as students design and implement a case study project. Data description language, data manipulation language (updates, queries, reports), and data integrity checking are also covered. Case study work will be completed using a relevant and current relational Database Management System, DBMS, software product.
Corequisite: COMP 223

COMP 371
Applied Artificial Intelligence (3,1,0)(L) 3 credits

Content includes: the scope of AI with special emphasis on rule based systems; knowledge representation and engineering; tools; techniques and areas of applicability; natural language interface; problem solving and games; pattern recognition and vision; and neural networks.
Prerequisite: COMP 223

COMP 382
Computer Graphics and Visualization (3,1,1) 3 credits

Computer graphics objects: identification and characterization; graphics object representation; efficient algorithms for graphics objects manipulation; display devices; display data structures and procedures; graphical input; object modelling; transformation; graphics packages and systems; and graphics user interface.
Prerequisite: COMP 213, COMP 223, MATH 212

COMP 411
Language Processors (3,1,0)(L) 3 credits

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 305

COMP 412
Distributed Systems (3,1,0)(L) 3 credits

Evolution of technology and concepts underlying distributed computing systems. Fundamentals and principles of distributed computing. Language constructs for distributed programming. Formal specification of distributed systems. Distributed algorithms. Elements of distributed operating systems. Elements of fault-tolerant distributed architectures.
Prerequisite: COMP 327, COMP 341, COMP 361

COMP 423
Advanced Computer Networks (3,1,0)(L) 3 credits

This course is designed as a follow-up course on computer networks and will emphasize the application of networking concepts taught in computer networks, as well as additional topics in wide area networking, frame and cell relay technologies, DCE, etc.
Prerequisite: COMP 327, COMP 361

COMP 424
Internet/Intranet (3,1,0)(L) 3 credits

This course will present the most practical internet and intranet technologies and techniques to students. It will cover internet protocols, addressing and architecture, intranet and extranets design, installation, and management as well as all aspects of internet/intranet security and user/data authentication.
Prerequisite: COMP 354, COMP 361

COMP 425
Computer Network Administration (3,0,2) 3 credits

This course emphasizes the implementation and the administration of network and network servers, and network security. Those topics include administration of internetworking and server software on network servers; network traffic surveillance; network security problems, firewall, intrusion detection and defence; implementation of a practical LAN.
Prerequisite: COMP 327, COMP 341

COMP 432
Advanced Computational Methodology (3,1,0)(L) 3 credits

This course covers selected advanced topics in numerical computations with emphasis on analysis of errors. It includes the study of computational methodology as applied to solving problems in interpolation and approximation including splines and least spares data fitting, numerical differentiation and integration, numerical initial value ordinary differential equations and partial differential equations. The students will design a numerical software package.
Prerequisite: COMP 332

COMP 434
Modelling and Simulation (3,1,0)(L) 3 credits

Numeric models of dynamic systems with emphasis on discrete stochastic systems. State descriptions of models, common model components and entities. A discussion of some common simulation languages (such as Simula, GPSS, Simscript, GASP, Dynamo). 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. Application of models of computer system.
Prerequisite: COMP 305

COMP 448
Directed Studies in Computing Science - 3 credits

Students will 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 BTACS. 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 either from on or off campus.

COMP 451
Systems Software Design (3,1,0)(L) 3 credits

Systems software components and their functions; operating software, translators, linkers, loaders, crossassemblers; utility software; 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: COMP 352

COMP 454
Advanced Web Design and Programming (3,1,0) 3 credits

This course is a continuation of COMP 354 (Web Site Design and Programming) and will discuss advanced web design concepts, technologies and techniques. It will cover server side programming aspects including advanced CGI techniques, ASP (Active Server Pages) and JSP (Java Server Pages), XML and the document model.
Prerequisite: COMP 354, COMP 361

COMP 461
Advanced Database Systems (3,1,0)(L) 3 credits

This course continues with database concepts introduced in COMP 361. It begins with a review of database design and implementation principles. Discussions of the relational database model, designing for optimization, and normal forms will be continued up to and including domain/key normal form. Relational database strategies for Database Manipulation Languages (DMLs) will be discussed as well as Database Administration and multi-user database issues (control, security, optimization and related). In addition, distributed database systems with emphasis on Client/Server, Data Warehousing, Object-Oriented Database Systems and Web-Based database issues will be covered.
Prerequisite: COMP 361

COMP 462
Web-Based Information Systems (3,1,0)(L) 3 credits

This course will provide students with the concepts and technologies involved in the design, implementation, and operation of Web-based information systems. Students will use a variety of current Web development tools and programming/scripting languages. The emphasis will be placed on the server side programming using several approaches: Active Server Pages (ASP), Java Server Pages (JSP), JavaBeans, and XML. The students will design and implement a two-tier and three-tier Web-based application including a database system.
Prerequisite: COMP 354, COMP 361

COMP 463
Distributed Databases and Distributed Data on the World Wide Web (3,1,0) 3 credits

This course covers 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 will be required to work on small projects using a variety of current DBMS software and tools (MS SQL Server 7.0, Oracle 8, MS Access 2000, XML, MSXML, ODBC, OLE-DB, ASP, VBScript on Web server).
Prerequisite: COMP 354, COMP 361

COMP 474
Expert Systems (3,1,0) 3 credits

This course introduces 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, it covers rule-based systems, semantic networks, frames, and mixed representation formalisms. For uncertainty management, it covers certainty factors, Bayesian network, D-S belief functions, and fuzzy logic.
Prerequisite: COMP 371

COMP 475
Natural Computing (3,1,0)(L) 3 credits

Natural Computing is about methods of computation that is inspired by nature including the ways in which humans compute. Characteristic for man-designed computing inspired by nature is the metaphorical use of concepts, principles and mechanisms underlying natural systems. This type of computing includes evolutionary algorithms, neural networks, fuzzy logic, swarm intelligence, molecular computing and quantum computing. The course covers the problem of intelligent systems design using neural computing/soft-computing/computational intelligence (NC/SC/CI) techniques in an integrated manner. The course presents both theory and applications, including industrial applications. Traditional artificial intelligence (AI) techniques are mainly based on mathematical techniques of symbolic logic. These are referred to as "crisp" techniques by the soft computing community. NC/SC/CI seeks inspiration from the world of biology, and is being used to create numerous real-world intelligent systems with the aid of NC/SC/CI tools.
Prerequisite: COMP 305

COMP 483
Multimedia (3,1,0) 3 credits

The course discusses four interconnected topics: a) Design and presentation of information in computer systems. Cognitive perception of colour, space, animation and sound, and use of graphics, sound, animation, virtual reality and hypermedia in presenting information to the user. Methods of presenting complex information to the user. B) Concepts and methods of design, management, creation and evaluation of multimedia databases. Organization and retrieval of digital multimedia. Issues of image and sound capture, storage and retrieval. C) Impact of multimedia on society and ethical issues. D) Programming for multimedia: Java Programming for the Internet.
Prerequisite: COMP 223

COMP 491
Computing Science Project (2,2,2)(L) 3 credits

This course is designed as a capstone project in the BTACS and CS Major programs and includes the practical design and implementation of a supervised project in an area of specialization in Computing Science. The students will develop a 'live' project and part of their learning experience will include working with an external client.
Prerequisite: COMP 352 and (admission to the 4th year of the BTACS program or the 4th year of the Computing Major program or the 4th year of the Business Major in IT)

COMP 493
Computer Issues (3,0,0) 3 credits

Current computer issues and the selected topics from these will be covered: 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. Computer and the individual: Machine versus human capabilities, facts and fancy, problematic-interface between man and machine. Privacy and security, needs for standards (implications of non-standardization). Ethics.
Prerequisite: Admission to BTACS program or Computing Major program

COMP 496
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 some Computing Science topic or problem at the advanced undergraduate level, the results of which are to be typed and submitted as an Honours Thesis. The thesis will be defended at a public lecture before an examining committee.
Prerequisite: Admission into the Computing Science Honours program as part of a B.Sc. degree and identification of a supervisor

COMP 498
Current Topics in Computing Science (3,1,0)(L) 3 credits

This course introduces students to selected current topics in computing science. Because of the rapidly changing nature of computing science, the course contents will vary from year to year.
Prerequisite: Admission to the 4th year of the BTACS degree program, or to 4th year of the Computing Science Major program.

Conventions Management

CONV 100
Events and Conventions Practicum (1,0,0) 1 credit

This course requires the students to practice skills and theory acquired during the first year of their studies in the Sports Event Management Diploma. At the conclusion of the academic year, students will be required to complete 160 hours of fieldwork. Although no numeric grade is given for this course, the students must successfully complete this course before certification is given by TRU.

CONV 101
Introduction to Tourism (On-line - 40 hours) 3 credits

The course is designed to provide an introduction to the tourism industry. Consideration is given to the concepts and vocabulary common throughout the eight tourism sectors. A critical examination of the competition for resources with other industries in British Columbia will be examined.

CONV 102
Introduction to Special Event Management (On-line - 40 hours) 3 credits

This course provides insight into how communities (local, regional and national) and the cultures within these communities can be attracted to and successfully included in special events. Consideration is given to cross-cultural issues and the challenges of creating an "authentic" experience while respecting the local environment and the traditions of the people who live in the location a special event is hosted. Some approaches and techniques for incorporating the traditions of communities and cultures into special events will be demonstrated.

CONV 103
Celebrating Community and Culture (On-line - 40 hours) 3 credits

This course provides insight into how communities (local, regional and national) and the cultures within these communities can be attracted to and successfully included in special events. Consideration is given to cross-cultural issues and the challenges of creating an "authentic" experience while respecting the local environment and the traditions of the people who live in the location a special event is hosted. Some approaches and techniques for incorporating the traditions of communities and cultures into special events will be demonstrated.

CONV 104
Event Volunteer Management (On-line - 40 hours) 3 credits

The course is designed to introduce the student to the concepts and theories for the successful management of event volunteers. Current trends and their impacts on volunteer organizations will be examined. The student will participate in volunteering for a special event.

CONV 105
Legal Liability and Risk Management (On-line - 40 hours) 3 credits

The goal of CONV 105 is to provide an introduction to event management law and risk management. This course has been designed to provide a broad perspective about the legal and risk management issues involved in planning and hosting tourism events. It will provide an overview of many topics that can be studied at greater depth in future law courses.

CONV 106
Event Marketing (On-line - 40 hours) 3 credits

This course reviews the concepts and tools used to design and implement a successful event marketing strategy. The focus of the course is on applying contemporary principles of strategic marketing to the process of event management. These concepts are applicable to the broadest definition of the event management industry including festivals, sporting events, community celebrations, cultural events, and arts productions. A student-defined case study further defines the application of course content.

CONV 125
Sports Event Marketing (3,0,0) 3 credits

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 attract 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 115

Note: Students who are enrolled in or have already completed CONV 219 or HMGT 212 will not receive credit for CONV 125

CONV 210
Conference Management 1 (3,0,0) 3 credits

Part 1 of a 2-semester course designed to give the students the skills necessary to plan, organize, manage and evaluate a special event, meeting, seminar or conference. In addition to an overview of the industry, emphasis will be placed on objective setting, team building and program planning.

CONV 211
Conference Management II (3,0,0) 3 credits

Part 2 of a 2-semester course is designed to give the students some practical experience in planning, organizing, managing and evaluating a special event or conference. As well, lecture topics will include transportation arrangements, selection of speakers, and audio-visual arrangements.
Prerequisite: CONV 210

CONV 217
Fundraising for Non-Profit Organizations (3,0,0) 3 credits

The intent of this course is to provide the learner with some of 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, learners will be exposed to various campaign models, public relations strategies and techniques for motivating volunteers.

CONV 219
Destination Marketing Organizations (3,0,0) 3 credits

Using a Convention and Visitors Bureau as a model, the student will learn about 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 will learn how Destination Marketing Organizations are structured and funded.
Prerequisite: TMGT 115

Note: Students who are enrolled in or have already completed HMGT 212 or CONV 125 will not receive credit for CONV 219

CONV 224
Sports Event Management (3,0,0) 3 credits

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. Lecture topics will include how to design an event, merchandising, risk management, and sponsorship.

CONV 226
Managing Festivals and Events (3,0,0) 3 credits

This course covers the basic skills needed for a businesslike approach to planning and managing a well run, high quality community celebration. The focus of the course is on increasing organizational effectiveness and developing sound managerial strategies. Practical subjects such as fundraising and sponsorship, motivating volunteers, developing effective checklists, developing themes and creative ideas, resources and contacts, and samples of event publicity are also covered.

CONV 250
Field Trip Activity Fee (Year 2 Events and Conventions Management Diploma)

Required for all second year students of the Events and Conventions Management Diploma program. This course will consist of a multi-day field experience. The goal of this course is to expose the student to the many facets of industry in order that they might better understand concepts discussed in the classroom.

Digital Art & Design

DAAD 110
Communications Graphics (2,1,0)(L) 3 credits

This course is designed to develop the student's awareness of the principles and practices involved in the production and design of effective visual communications for both print production and online/multimedia applications. Creative and practical applications of typography, photography and illustration, as they relate to visual problem solving in a computer graphics environment, will be covered. Oral and visual presentation skills will be emphasized.
Prerequisite: DAAD 120, DAAD 175

DAAD 120
Graphic Design (2,1,0) 3 credits

The basis of design requires the bringing together of various elements – words, photographs, illustrations and graphic images – into one area to achieve an interaction with the intended audience that will communicate a message within a given context. This course will allow the students to explore the creative potential of these elements through conscious experimentation and study of the effects of reworking and refining ideas.
Corequisite: DAAD 175

DAAD 130
Typography (2,1,0)(L) 3 credits

This course provides the student with the typographic skills required to produce effective communications in the Computer Graphics and Desktop Publishing environments. The importance of sound typographic communication skills will be stressed. Elements of good typography. choosing the proper typestyle, and type as a powerful communication tool will be explored. An in-depth look at Desktop Publishing software will also be included in this course.
Corequisite: DAAD 175

DAAD 150
Digital Photography (2,2,0)(L) 3 credits

This course is an introduction to digital photography - focusing on composition and employment of digital images in both web and print based projects. The course provides students with the necessary skills to produce better pictures and improve their overall knowledge and appreciation of photography. They will be given the opportunity to fine-tune their style (both in terms of content and approach) while developing portfolio pieces intended for utilization in their designs for various DAAD projects.

DAAD 175
Graphic Applications and Digital Art & Design Systems 1 (2,1,3) 3 credits

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 will take their solutions from sketch through to print and network-based output for applications including: desktop publishing and prepress, multimedia and web development. Students will be exposed to hardware and software commonly used in the industry.

DAAD 195
Desktop Publishing and Digital Prepress 1 (2,1,3) (L) 3 credits

This course introduces the issues and technologies involved in moving print-based design projects from concept to final output. This is accomplished by a study of print technologies, their limitations and attributes; and an exploration of common computer-based publishing technologies and processes.

DAAD 196
New Media 1: Multimedia, Animation & Online Publishing (2,1,3) 3 credits

In this course students are introduced to organizing information and designing user interfaces for computer delivered communications using prevailing development software. Topics will include: project planning – storyboards, maps and other planning documents; principles of animation – time, motion and juxtaposition as design elements; presentation design – both esthetic and pragmatic; user interface development; technical issues – file formats, moving information between various software packages, CDROM publishing, network-based publishing; players and roles; projects types and applications.

DAAD 260
Production Art (0,1,6)(L) 3 credits

This course is designed to allow students the opportunity to develop their skills as computer artists. Preparation of a presentation level portfolio will be the primary focus of this course. Assignments will be aimed at developing the students' speed and dexterity on the computer. Students will also gain experience in working to tight production deadlines, coping with client generated restrictions and design limitations. Some assignments will be allocated to students from 'real world' production houses. A strong emphasis of the course is the transition from school to work. A field trip to visit larger workplaces in the lower mainland is part of this course.
Prerequisite: Successful completion of all required courses of the first three terms of the DAAD program.

DAAD 275
Graphic Applications and Digital Art & Design Systems 2 (2,1,3) (L) 3 credits

This is a continuation of DAAD 175 and 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 will take their solutions from sketch through to print and network-based output for applications including: desktop publishing and prepress, multimedia and web development. Students will be exposed to hardware and software commonly used in the industry. Problems in DAAD 275 increase in complexity and in technical requirements.
Prerequisite: Successful completion of all required courses of the first three terms of the DAAD program.

DAAD 284
Content Creation, Information Design and Portfolio Development (2,1,3) (L) 3 credits

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 will also be explored.
Prerequisite: ENGL 181, DAAD 110, 120, 130, 196

DAAD 286
Digital Art and Design Project (0,1,6) (L) 3 credits

This project 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.
Prerequisite: Successful completion of all required courses of the first three terms of the DAAD program.

DAAD 288
Project Management and Client Contact (3,1,1) (L) 3 credits

There are two elements to this course: project management theory which the students will apply practically to development projects in the program; and a case study component that puts students in touch 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 295
Desktop Publishing and Digital Prepress 2 (2,1,3) (L) 3 credits

This course is a continuation of DAAD 195 and 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 will be covered in greater depth.
Prerequisite: DAAD 110, 120, 130, 195

DAAD 296
New Media 2: Multimedia, Animation and Online Publishing (2,1,3)(L) 3 credits

This is a continuation of DAAD 196. Students continue to explore organizing information and designing user interfaces for computer delivered communications using prevailing development software. Topics will include: project planning – storyboards, maps and other planning documents; principles of animation – time, motion and juxtaposition as design elements; presentation design – both esthetic and pragmatic; user interface development; technical issues – file formats, moving information between various software packages, CDROM publishing, network-based publishing; players and roles; projects types and applications. As projects increase in complexity, students will look at issues such as maintaining style in large web sites, template development, and leading edge technologies such as streaming media and animation.

Prerequisite: DAAD 110, 120, 130, 175 and 196

Corequisite: DAAD 284

DAAD 299
DAAD Internship (240 hours) 4 credits

This course involves a 240-hour (6-week internship) or equivalent experiential learning component. This gives students a start on their portfolio or practical experience. Course requirements can be satisfied in a number of ways: contract work a student may pick-up while in the program or over the summer, full-time summer jobs, initial employment after leaving the program, or traditional internship arrangements. It will be the students' responsibility to approach employers or secure contract work to satisfy this requirement.

Prerequisite: Successful completion of the 30 credits which comprise Year 1 of the Digital Art and Design program.

Drafting

DRAF 152
Engineering Graphics (2,0,3)(L) 3 credits

This course is intended for students in first-year engineering. The course covers 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 will learn to operate AutoCAD software on PC workstations.

Prerequisite: Admission to Engineering Transfer Program or written consent of Program Coordinator.

Early Childhood Education

ECED 120
Practicum 1 – Developing Relationships with Children (0,2,10)(L) 4 credits

This course is designed to integrate theoretical knowledge and understanding of professional principles with field practice. Students practice observation and recording techniques, how to prepare the learning environment, develop relationships with children, and guide children under direct supervision.

Prerequisite: Admission to the Early Childhood Education Program

Corequisite: ECED 132, ECED 135

ECED 130
Practicum 2 – Program Planning for Young Children (0,2,10)(L) 4 credits

While continuing to pursue the goals of Practicum 1 (professional principles, observation and recording techniques, preparation of the learning environment, developing and maintaining relationships with children, guiding children), this course introduces expanded program planning responsibilities to the student. A field trip to the lower mainland to visit a variety of Early Childhood programs and provincial resources for children may form a component of this course.

Prerequisite: Admission to the Early Childhood Education Program; ECED 120

ECED 132
Child Guidance (2,2,0)(L) 3 credits

To develop meaningful relationships with young children and plan developmentally appropriate educational programs will require an ability to understand the significance of play, to interpret children's behaviour, to understand basic interaction strategies, and to develop the ability to individualize interactions with children in order to enhance their play.

Prerequisite: Admission to the Early Childhood Education Program

Corequisite: ECED 120, 135

ECED 133
Child Health (3,0,0) 3 credits

Child Health introduces the student to the health and safety of children by examining health related agencies, health regulations, and children with exceptionalities. Other topics included are nutrition, meal and snack planning, childhood illness, and hospitalization.

Prerequisite: Admission to the Early Childhood Education Program

ECED 134
Interpersonal Relations – Communication (3,0,0) 3 credits

Early Childhood Educators are involved in a variety of interactions in their relationships. They, the children, parents, families, co-workers, supervisors, and other professionals are interdependent. Self-awareness and an ongoing commitment to become a competent communicator are fundamental to the positive development of these relationships.

Prerequisite: Admission to the Early Childhood Education Program

ECED 135
Introduction to Program Planning (2,2,0)(L) 3 credits

Students will become familiar with a wide range of equipment, materials and supplies, including "real" or natural items and a variety of art media, that develop expression and creativity and foster growth in the whole child. Emphasis will be on the preparation of the learning environment, both physical and social, routines, and the role of the educator in developing, implementing, evaluating and documenting appropriate play experiences for children

Prerequisite: Admission to the Early Childhood Education Program; ECED 120, ECED 132

ECED 136
Curriculum Development (2,2,0)(L) 3 credits

This workshop course examines the principles of developing, implementing and evaluating a play-based program. Students will learn how to plan activities for young children to 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 120, ECED 132, ECED 135

ECED 144
Interpersonal Relations– Helping Relationships (3,0,0) 3 credits

Professional relationships demand leadership, cooperation, and problem solving skills. Managing conflict is the responsibility of both those providing supervision and being supervised. Effective early childhood educators know when and how to offer support.

Prerequisite: Admission to the Early Childhood Education Program; ECED 134

ECED 220
Practicum 3 – Demonstration Practicum (0,2,16)(L) 5 credits

While continuing to pursue the goals of practicum 1 & 2, (professional principles, observation and recording techniques, preparation of the learning environment, developing and maintaining relationships with children, guiding children and program planning), increased responsibility for program development and implementation provides opportunities for reflection and practice of ethical decision making.

Prerequisite: Completion of Year 1 of the Early Childhood Education Program

ECED 230
Practicum 4 – Programming for Individual Children (0,2,16)(L) 5 credits

While continuing to pursue the goals of practicum 1, 2, & 3, (professional principles, observation and recording techniques, preparation of the learning environment, developing and maintaining relationships with children, 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 Diploma

Corequisite: ECED 231, ECED 255

ECED 231
Child Growth and Development – Individual Differences (2,2,0)(L) 3 credits

This course combines 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 230, ECED 255

ECED 235
Advanced Program Development (2,2,0)(L) 3 credits

This course begins by surveying the historical foundations of early childhood education as revealed in the theories and practices of important philosophers and educators. This discussion of philosophy and play lays the groundwork for developing the important components of contemporary ECE programs. Philosophy and goals, in-depth projects, and the development of a comprehensive ECE program for young children are the essential topics covered during this semester.

Prerequisite: Completion of Year 1 of the Early Childhood Education Program

ECED 240
Practicum 5 – Infant and Toddler Care (0,2,35)(L) 4 credits

This course will allow the student to put into practice all the goals of practica 1, 2 & 3 (professional principles, observation and recording techniques, preparation of the learning environment, developing and maintaining relationships with children, guiding children and program planning), with infants and toddlers. This practicum is fulltime for six weeks.

Prerequisite: Completion of the Early Childhood Education Diploma

Corequisite: ECED 241, ECED 245

ECED 241
Development and Care of Infants and Toddlers (2,2,0)(L) 3 credits

Development of infants and toddlers are looked at with a particular emphasis on physical care, emotional needs, health and nutritional needs of children under three.

Prerequisite: Completion of the Early Childhood Education Diploma

Corequisite: ECED 240, ECED 245

ECED 244
Interpersonal Relations – Working with Families (2,1,0) 3 credits

Learning to develop and maintain a partnership with families is seen as an essential ingredient in the successful operation of an early childhood education program. Students will gain knowledge in family systems theory as a means to understanding their interactions with families. Issues particular to families with infants and toddlers, and children with special needs will be addressed.

Prerequisite: Completion of Year 1 of the Early Childhood Education Program

ECED 245
Program Development for Infants and Toddlers (2,2,0)(L) 3 credits

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 Diploma

Corequisite: ECED 240, ECED 241

ECED 249
Administration of Early Childhood Education Programs (2,1,0) 3 credits

This course examines many of the aspects involved in the administration and supervision of early childhood programs such as organizational structure, policies, procedures, and budget preparation. This course will also examine factors related to staff relations and personnel management

Prerequisite: Completion of Year 1 of the Early Childhood Education program

ECED 255
Programming for Individual Children (2,2,0)(L) 3 credits

Students will gain knowledge about the supported child care program in British Columbia; observation and assessment techniques; report writing; developing, implementing and evaluating individualized education 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 Diploma

Corequisite: ECED 230, ECED 231

Economics

ECON 122
Introduction to Basic Economics (3,0,0) 3 credits

A course designed to help students build a basic understanding of economic principles and issues without highlighting economic theory and modelling. Successful students of this course will be able to understand and discuss economic issues at the level covered by the media.

Note: Students will not receive credit for ECON 122 unless it has been completed prior to earning a grade of "C-" or better in either ECON 190 or ECON 195.

Prerequisite: None

ECON 190
Principles of Microeconomics (3,0,0) 3 credits

Topics include markets, applications of supply and demand analysis, the theory of consumer behaviour and the impact of government regulations and intervention on market performance. Other topics include the theory of the firm under perfect competition, monopoly, and monopolistic competition; the principles of oligopoly; productive efficiency; the distribution of income, the role of unions and factor market performance.

An introductory course for students who may wish to take subsequent courses in Economics.

Prerequisite: B or better in Principles of Math 11 or Applications of Math 12, or MATH 051, or equivalent; Principles of Math 12 highly recommended

ECON 195
Principles of Macroeconomics (3,0,0) 3 credits

Topics include the determination of national income, production and employment, economic goals of the federal government and the limitation of monetary and fiscal policy in dealing with Canada's unemployment, inflation and balance of payments problems. Keynesian policy, monetarism and supply side economics will be studied in detail.

An introductory course for students who may wish to take additional courses in Economics.

Prerequisite: B or better in Principles of Math 11 or Applications of Math 12, or MATH 051, or equivalent; Principles of Math 12 highly recommended

ECON 223
Canadian Economic History (3,0,0) 3 credits

Issues in Canadian economic history. Topics will include the role of staples (wheat, pulp and paper, oil, natural gas, etc.) in Canadian development, reciprocity with the U.S., the national policy, protective tariff and structure of Canadian industry, the multi-national corporation and direct foreign investment in Canada, continentalism and the integration of Canada into the commercial empire of the United States. Current economic topics such as free(r) trade with the United States, deficits, the lingering unemployment problem and the impact of emerging environmental problems on the future of the Canadian economy.

ECON 243
Global and Canadian Economic Issues (3,0,0) 3 credits

This course examines the World's and Canada's economic performance in the 21st century. The economic issues discussed and analyzed are those associated with the challenges facing the Canadian and World economies in the future. The course material will vary yearly depending on current economic issues.

Prerequisite: ECON 122, or ECON 190 and ECON 195 (grades of C- or better)

ECON 260
The Economy of British Columbia (3,0,0) 3 credits

The development and structure of the British Columbia economy. Particular emphasis is given to the roles of labour and natural resources (including fisheries, forests, minerals and energy) in the provincial economy.

Prerequisite: ECON 122, or ECON 190 and ECON 195 (grades of C- or better)

ECON 263
Issues in Aboriginal Economics (3,0,0) 3 credits

This course provides an overview of Aboriginal economic issues. Examples of issues covered are: 1) the economic rationale for implementing Aboriginal rights and title, 2) the economic feasibility of a third order of government for Aboriginals, 3) the economic reasons for the income differences between First Nation and non-First Nations, and 4) market failures and successes within First Nations. This course will benefit students interested in: Aboriginal issues, working with First Nations, and international trade or business ventures where Aboriginal interests may be involved.

Prerequisite: ECON 122, ECON 190, or ECON 195 (grades of C- or better), or permission of the instructor

ECON 290
Intermediate Microeconomics 1 (3,0,0) 3 credits

A rigorous treatment of microeconomic theory. This course includes the theory of consumer behaviour, with emphasis on indifference curve analysis; market demand; production theory, with emphasis on the two variable input case; the theory of cost; market organization; theory of distribution in perfectly competitive markets; and market failure.

Prerequisite: ECON 190, and either MATH 114, MATH 115 or MATH 107 (grades of C- or better)

ECON 290 is not recommended for students completing the pre-BBA ECON elective unless they plan subsequent study in Economics.

Note: Students may not receive credit for both BUEC 204 and ECON 290

ECON 295
Intermediate Macroeconomics 1 (3,0,0) 3 credits

A rigorous treatment of macroeconomics theory with applications to contemporary policy issues. The determination and distribution of output in the long run. Classical dichotomy and the neutrality of money. The determinants of economic growth. The various components of unemployment in the long run. The cause of unemployment in the long run. The measurement, problems and determinants of inflation in the long run. The deficit and debate over Government Debt. The Keynesian, life cycle and permanent income theory of consumption. The theory underlying investment spending. The theory of money supply and demand.
Prerequisite: ECON 195, and either MATH 114, MATH 115 or MATH 107 (grades of C- or better)

ECON 299
Special Topics in Economics

Credits for this course will be determined as per Policy ED(24) 8-0. The subject matter will vary from semester to semester depending upon the interests of faculty and students.
Prerequisite: Permission of the Department of Economics.

ECON 309
Managing Personal Economic Wealth (3,0,0) 3 credits

This course deals with planning for, and achieving, personal economic wealth and is designed for non-business students. Topics include: determining and achieving financial goals; managing your wealth; understanding risk and what can be done to reduce it; the major tax implications of your choices; buying versus renting/leasing homes, cars and other items; investing in the stock/bond markets; planning for retirement; and planning for further education.
Note: This course is not open to BBA students nor can it be used for upper level credit for ECON majors

ECON 310
Canadian Financial Markets (3,0,0) 3 credits

An introduction to money, assets and Canadian financial markets. Topics include: the players in the financial markets; the products in the financial markets and their pricing, based on their risk; the Canadian financial system, its institutions and regulation; and the role of money and monetary policy.
Prerequisite: ECON 195 (grade of C- or better)

ECON 320
Introduction to Mathematical Economics (3,0,0) 3 credits

Application of single and multivariable calculus to economics. Includes comparative static-analysis of household and firm behaviour as well as simple dynamic models.
Prerequisite: ECON 190 and ECON 195, and MATH 107 or equivalent (grades of C- or better)

ECON 350
Public Finance: Policy Topics (3,0,0) 3 credits

Examination of two or three selected policy problems from the areas of taxation, income security and public expenditures. Topics to be selected each year from areas of current or recent policy debate. Examples include public pension policy, privatization and public services, income tax or sales tax reform, federal-provincial cost sharing programs, tax incentives versus direct expenditures, welfare reform.
Prerequisite: ECON 190 (grade of C- or better)

ECON 355
International Economics (3,0,0) 3 credits

Introduction to international trade and finance, with an emphasis on international economic policy. Topics include the determinants of trade, balance of payments and selected policy issues (which may vary from year to year) such as tariff and non-tariff barriers to trade, bilateral and multilateral trade disputes, trade liberalization, trade development, capital mobility, political economy of protection and exchange rate policy.
Prerequisite: ECON 190 and ECON 195 (grades of C- or better)

ECON 360
Labour Economics (3,0,0) 3 credits

A study of the Canadian labour market. Labour supply; the allocation of the time among work and non-market activity, participation in the labour force, education and training. The demand for labour. The determination of wages and employment. The effect of unions on wages and employment. The wage structure; wage differentials by occupation, industry, race and sex, and unemployment.
Prerequisite: ECON 190 (grade of C- or better)

ECON 361
The Economics of Gender (3,0,0) 3 credits

This course uses economic theory and analysis in an attempt to explain why gender differences lead to different outcomes in education, career choices, family roles, and earnings. To analyze these differences, this course looks at economic models that explicitly include men and women, at statistics measuring the differences between men and women, and at government and corporate policies that affect men and women differently. This course will also compare 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.
Prerequisite: Successful completion of ECON 190

ECON 365
Government and Business (3,0,0) 3 credits

This course will analyze government intervention in the face of mergers, bigness, and monopoly power. As well it considers possible government intervention in the face of unacceptable firm behaviour.
Prerequisite: ECON 190 and either ECON 195 or POLI 111 (grades of C- or better)

Note: This course is the same as POLI 365. Students may not receive credit for both ECON 365 and POLI 365.

ECON 367
Economic Analysis of Law (3,0,0) 3 credits

The economics of market failure, equity and efficiency. Property rights, the economics of accident and contract law, criminal law and transactions costs, enforcement.
Prerequisite: ECON 190 (grade of C- or better)

ECON 370
Benefit-Cost Analysis and the Economics of Project Evaluation (3,0,0) 3 credits

Techniques and problems in benefit-cost analysis. Case studies of projects in such areas as natural resources, the environment, human resources, public service and transportation.
Prerequisite: ECON 190 (grade of C- or better)

ECON 371
Economics of the Environment (3,0,0) 3 credits

Economic analysis applied to various environmental issues, including sustainable development, quality of life and environmental impacts of specific industrial and consumption activities. The design and implementation of government policies. Global environmental effects of human economic activity.
Prerequisite: ECON 190 (grade of C- or better)

ECON 373
Forestry Economics (3,0,0) 3 credits

This course will introduce the economics of production, distribution, and consumption of goods and services produce by, and dependant on, forest resources.
Prerequisite: ECON 190 (grade of C- or better)

ECON 374
Land Use (3,0,0) 3 credits

Economic analysis applied to problems of land use. Rent theory. Land valuation. Land conservation. Techniques for assessing the efficiency of land use.
Prerequisite: ECON 190 (grade of C- or better)

ECON 384
Economic Analysis of Health Services (3,0,0) 3 credits

Analysis of efficiency and equity problems in health service markets. Models patients, physicians, not-for-profit hospitals, third party regulatory and payment agencies.
Prerequisite: ECON 190 (grade of C- or better)

ECON 390
Intermediate Microeconomics 2 (3,0,0) 3 credits

This course deals with an extension and application of microeconomic theory but is still at the intermediate level. Topics include the theory of factors of production; general equilibrium analysis; welfare economics; intertemporal choice; public goods; risk and uncertainty.
Prerequisite: ECON 290 or BUEC 204 (grades of C- or better)

ECON 395
Intermediate Macroeconomics 2 (3,0,0) 3 credits

This course will consider short-run macroeconomic theory with applications to contemporary policy issues. For instance economic fluctuations, aggregate demand and the open economy, the interaction between the monetary and the real sectors, the neutrality of money, the effectiveness of fiscal and monetary policy aggregate supply theories, and the role of expectations.
Prerequisite: ECON 295 (grade of C- or better)

ECON 399
Special Topics in Economics

Credits for this course will be determined as per Policy ED(24) 8-0. The subject matter will vary from semester to semester depending upon the interests of faculty and students.
Prerequisite: Permission of the Department of Economics.

ECON 410
International Financial Markets (3,0,0) 3 credits

An introduction to international financial markets, including those for foreign currency and assets. Topics include: the domestic operations of foreign financial institutions; the multinational activities of these institutions and of Canadian financial firms; and actual and optimal regulatory risk in the face of national treatment, Herstadt and country risk.
Prerequisite: ECON 310 or equivalent (grade of C- or better), and either BUEC 204 (grade of C+ or better) or ECON 290 (grade of C- or better)

ECON 432
Econometrics (3,0,0) 3 credits

This course examines the theoretical properties and applications of the commonly used basic econometric techniques. After covering the classical regression techniques to estimate socio-economic relationships, the course focuses on problems with econometric techniques such as: model error and specification issues, dummy variables, dynamic models, nonlinear models, limited dependent variables, the identification and estimation of systems of equations. It provides hands-on exposure to the techniques through the utilization of a general econometric's computer software package.
Prerequisite: BUEC 333, BUEC 233 or STAT 306 (grades of C- or better)

ECON 450
Economics of Taxation (3,0,0) 3 credits

The economic analysis of taxation. Equity and efficiency; optimal taxation theory; partial and general equilibrium analysis of incidence; analysis of taxes such as the personal and corporate income taxes, sales and excise taxes, payroll tax and property tax.
Prerequisite: Either BUEC 204 (grade of C+ or better) or ECON 290 (grade of C- or better)

ECON 455
International Trade (3,0,0) 3 credits

An introduction to the pure theory of international trade. Topics include: the causes of trade and the gains from trade; factor-proportions theory; imperfect competition and returns to scale as determinants of the pattern of trade; protectionism.
Prerequisite: Either ECON 290 (grade of C- or better), or BUEC 204 (grade of C+ or better)

Note: students who have taken BUEC 204 will be required to read some background material on the theory of consumer choice.

ECON 456
International Macroeconomics and Finance (3,0,0) 3 credits

This course will analyze exchange rates, the balance of payments, the history of the international financial system, purchasing power and interest rate parity, international macroeconomic models, the efficiency of the foreign exchange market, the importance of the risk premium, exchange rate volatility and other topics.
Prerequisite: ECON 295 and either BUEC 233 or BUEC 333 (grades of C- or better)

ECON 466
Industrial Organization (3,0,0) 3 credits

This course examines theories of the firm, market structure models, business strategies, the role of information and advertising, international trade, and market structure.
Prerequisite: ECON 290 (grade of C- or better) or BUEC 204 (grade of C+ or better)

ECON 472
Development Economics (3,0,0) 3 credits

The course examines the process of economic development in order to understand and explain why some countries are poor and others are rich and what can be done to make people better off.
Prerequisite: Either ECON 290, ECON 295 (grades of C- or better), or BUEC 204 (grade of C+ or better)

ECON 480
Transportation (3,0,0) 3 credits

Economic characteristics of the provision of transportation services, both passenger and freight; the market structure of the industry and the economic impact of the varying degrees of public regulation and promotion within the industry; the role of economic analysis in resolving problems of Canadian policy.
Prerequisite: Either BUEC 233 or BUEC 333 (grade of C- or better), and either BUEC 204 (grade of C+ or better) or ECON 290 (grade of C- or better)

ECON 499
Special Topics in Economics

Credits for this course will be determined as per Policy ED(24) 8-0. The subject matter will vary from semester to semester depending upon the interests of faculty and students.
Prerequisite: Permission of the Department of Economics.

Education

EDCO 310
Communications 1 (3,0,0) 3 credits

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 will include a "retreat" at McQueen Lake, the environmental education centre operated by the Kamloops/Thompson School district. Teacher candidates will learn effective communication skills, including an introduction to conflict resolution and teaching social skills, through role-playing and discussion. Science exploration (e.g., Project Wild group activities) and physical activity (e.g., nature walks) will be integral parts of learning about effective communication.
Prerequisite: Admission to the TRU Bachelor of Education program.

EDCO 420
Communications 2 (1,0,0) 1 credit

This course acts as a capstone to the B.Ed. program by providing an opportunity for teacher candidates to share their knowledge, skills, and understandings in theory and practice developed over the two-year B.Ed. program. Teacher candidates will also learn how to prepare résumés and portfolios for teaching position applications.
Prerequisite: Successful completion of all Year 1 and Year 2, Term 1.

EDEF 310
History of Education (3,0,0) 3 credits

The relationship between schools and society is complex and contradictory. By examining the changing relationship between schools and society over time, this course will provide insight into individuals and groups that have determined both what kinds of schools should exist and what should happen in them. As will be seen, issues of gender, race, ethnicity, religion, social class, and location frame all of our investigations into educational history.
Prerequisites: Admission to TRU Bachelor of Education program.

EDEF 320
Theoretical Frameworks of Education (3,0,0) 3 credits

This course is designed to help teacher candidates examine their educational beliefs, practices, and the social context of schooling. Schools and schooling are subject to competing claims. Educators need to acquire the language and concepts of education as well as the ability to reflect critically on its central ideas and alternative frameworks so that they may communicate as professionals. EDEF 320 aims to help students develop the conceptual background to enter this dialogue and assess claims made about education. It also acquaints teacher candidates with important contemporary educational issues.
Prerequisites: Successful completion of Year 1, Term 1.

EDEF 415
Social Foundation of Education: Gender and Education (3,0,0) 3 credits

This course will explore the ways in which feminist theories have prompted a rethinking of educational practice and research, with a focus on schooling. It will examine the gendered experiences of people in educational organizations as students, teachers, and administrators. Differences by age, race/ethnicity, social class, religion, and sexual orientation will be discussed.
Prerequisites: Successful completion of Year 1, or permission of the instructor and Chair of the department.

EDEF 420
School Organization (2,0,0) 2 credits

Teacher candidates are immersed in a matrix of organizations that affect their working lives. EDEF 420 is designed to help beginning teacher candidates understand the organization and administration of schools and to develop a perspective about issues in governance, finance, ethics, and community and professional control and influence. Class sessions will normally consist of a presentation/lecture followed by a discussion period. Representatives from a number of stakeholder groups (e.g., Kamloops Thompson Teachers' Association, British Columbia College of Teachers) will give presentations.
Prerequisites: Successful completion of all Year 1 and Year 2, Term 1.

EDFN 420
Teaching First Nations Children (2,0,0) 2 credits

The course will begin with an overview of the historical background of First Nations education. The First Nations curriculum will be examined and appropriate roles for non-First Nations teachers in curriculum development projects will be discussed. Most of the course will focus on the consideration of effective teaching and counseling practices for First Nations children, including developing relationships with parents/guardians. The class format will be presentation and discussion based on articles and videos provided by faculty, presentations from other First Nations educators, and from student research and experience.
Prerequisites: Successful completion of all Year 1 and Year 2, Term 1.

EDIT 415
Information Technology Across the Curriculum (3,0,0) 3 credits

The purpose of this course is to provide teacher candidates with information about how to use computers and information technology across the curriculum. For example, students will learn to use Word and PowerPoint to prepare teaching materials, databases to manage student marks, e-mail to communicate with other professionals, FrontPage to create web pages, and the Internet to search educational resources and research databases.
Prerequisites: Successful completion of Year 1 or permission of the instructor and Chair of the department and a basic working knowledge of microcomputers.

EDIT 470
Introduction to Distributed Learning (3,0,0) 3 credits

Participants will explore the realm of distributed learning through discussion about learning theory and pedagogy in online environments, consideration and application of technological tools to enhance the learning environment, and examination and design of assessment strategies.

The course format will be an online seminar that models the development of learning communities. Participants will be directed to readings about current issues that they will discuss online. This course will be informally structured and participants will be encouraged to explore areas of their own interest that will apply to their practice.
Prerequisite: Bachelor's Degree and/or special permission from the School of Education.

EDLL 310
Language and Literacy 1 (3,0,0) 3 credits

This course introduces key concepts related to language and literacy learning and teaching in the elementary language arts classroom and across the curriculum. The fall term will give teacher candidates an overview of the knowledge required to implement a language program, with an emphasis on the reading process and teaching reading. The course is linked with the initial practica.
Prerequisites: Admission to the TRU Bachelor of Education program.

EDLL 320
Language and Literacy 2 (4,0,0) 4 credits

This course will continue the study of the elementary language arts curriculum and will teach both theory and practical knowledge required to implement a language arts program. The emphasis in the winter term will be on writing in relationship to the other language modes and across the curriculum. Class members are expected to engage in all aspects of the writing process.
Prerequisites: Successful completion of Year 1, Term 1.

EDLL 390
Total Physical Response: Methods for Teaching Secwepmectsin (3,0,0) 3 credits

The Total Physical Response method will be introduced as a method of teaching aboriginal languages. Research analysing the TPR method will be studied in the context of current language theory in second language acquisition. Students will have the opportunity to practice the TPR approach, learning instructional strategies and familiarizing themselves with learning resources. Effective classroom management and evaluation and assessment will also be examined.

EDLL 391
Introduction to the Secwepemc Language 1 (3,0,0) 3 credits

The purpose of this course is to introduce students to the Secwepemc language. Vocabulary, grammar, and oral sentence construction will be developed. 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 392
Innovative Language Teaching Practices for Aboriginal Language Classrooms (3,0,0) 3 credits

This course is designed for Aboriginal language teachers looking for ways to implement new teaching approaches in their classrooms. This course will provide a brief survey of five innovative language teaching methods/approaches that have been successfully used in a variety of Aboriginal language programs.

EDLL 415
Children's Literature (3,0,0) 3 credits

This course introduces students to the sources of children's literature and its major genres, including traditional literature, fantasy, realistic and historical fiction, poetry, and information books. Children's reading needs and interests, and current issues and trends will be examined. Teacher candidates will explore strategies for involving children with literature across the elementary curriculum.
Prerequisites: Successful completion of Year 1, or permission of the instructor and Chair of the department.

EDMA 310
Mathematics 1 (3,0,0) 3 credits

This course is intended to provide teacher candidates with the basic understandings of teaching mathematics in elementary schools. The course will introduce a range of classroom strategies for developing children's mathematical reasoning, skills, and concepts, and will provide frameworks that enable teachers to assess their teaching of mathematics. Topics in the course include the role of manipulative materials, estimation, mental computation, linking mathematics to the real world, (problem solving), patterns and relationships, and evaluation and assessment.
Prerequisites: Admission to the TRU Bachelor of Education program.

EDMA 320
Mathematics 2 (3,0,0) 3 credits

This course builds on EDMA 310, the Mathematics I course from Year 1, Fall Semester. The course will introduce topics in teaching mathematics that were not covered in EDMA 310, including geometric thinking, spatial sense, and statistics and probability. EDMA 320 is linked to the 2-week practicum that teacher candidates take in the same semester (EDPR 320), and so teacher candidates will have the opportunity to teach several of the mathematics lessons they will have developed. Teacher candidates will also learn to prepare units on teaching mathematics.
Prerequisites: Successful completion of Year 1, Term 1.

EDPE 310
Physical Education Methods (1,0,2) 3 credits

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 will be 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 will participate in classroom, gymnasium, and outdoor activities that will provide tangible links with scheduled practica and encourage putting theory into practice.
Prerequisites: Admission to the TRU Bachelor of Education program.

EDPE 415
Elementary Physical Education: Instruction (1,0,2) 3 credits

The purpose of this course is to provide an opportunity for teacher candidates who have completed EDPE 310 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 will also be provided for teacher candidates to reinforce previous learning and to develop greater skill in teaching activities from the five movement categories.
Prerequisites: Successful completion of Year 1, or permission of the instructor and Chair of the department.

EDPP 410
Personal Planning (2,0,0) 2 credits

This course will enable the participants to help elementary students acquire the knowledge, skills, and attitudes that will enable them to make good personal decisions and manage their lives more effectively. The course focuses on the emotional and social development of students from Kindergarten to Grade 7.
Prerequisites: Successful completion of Year 1.

EDPR 310
Practicum 1 (44 hours) 1 credit

EDPR 310 is the first of four (4) organized school practica experiences, consisting of four (4) half-days and four (4) full days (30 hours) in schools. The purpose of EDPR 310 is to provide teacher candidates with an orientation to elementary schools and the opportunity to link their on-campus EDTL 310 and EDLL 310 courses with teaching experiences in the classroom. A cohort of teacher candidates will be placed in a school, and will observe in a variety of settings and classrooms. Each teacher candidate will have opportunities to teach language arts mini-lessons to either small groups or the entire class. Teacher candidates will attend weekly seminars, facilitated by a TRU Faculty Mentor or Instructor, to discuss and reflect upon school experiences, and to begin developing a personal philosophy of teaching and learning.
Prerequisites: Admission to the TRU Bachelor of Education program. Criminal Record check for SD#73 (Kamloops/Thompson School District).

EDPR 320
Practicum 2 (60 hours) 2 credits

This two-week (60 hour) practicum takes place in the final two weeks of Year 1, Term 2. A cohort of teacher candidates will be placed in a school in Kamloops, similar to the EDPR 310 experience. The teaching and learning focus in this practicum is on mathematics and social studies, although not exclusively. Teacher candidates will have opportunities to observe various grade levels, subject areas, and classroom settings.
Prerequisites: Successful completion of Year 1, Term 1.

EDPR 410
Practicum 3 (90 hours) 3 credits

At the beginning of Year 2, Term 3, teacher candidates undertake the three-week practicum (90 hour) EDPR 410, which serves as an orientation to the teacher candidates, the teacher mentor, and the school. Normally, the teacher candidates and teacher mentors in this practicum are paired for the 10-week extended EDPR 410 (Practicum IV) in Year 2, Term 4. Teacher candidates will be involved in observational and instructional activities in elementary schools throughout seven interior school districts; Vernon S.D. #22, Cariboo-Chilcotin S.D. #27, Okanagan-Similkameen S.D. #53, Nicola-Similkameen S.D. #58, Kamloops/Thompson S.D. #73, Gold Trail S.D. #74 and North Okanagan-Shuswap S.D. #83. It is common for schools to undergo classroom reorganization in the first three weeks of school and teacher candidates need to learn how to deal with this reality, recognizing that each teacher candidate's experience will vary.
Prerequisites: Successful completion of Year 1.

EDPR 420
Practicum 4 (300 hours) 5 credits

At the beginning of Year 2, Term 2, teacher candidates undertake a 10-week (300 hour) practicum that serves as the major school experience. Normally, teacher candidates return to the same placement as they had in EDPR 410, the three-week practicum in Year 2, Term 1. Teacher candidates gradually increase their teaching load and sustain a minimum 80% load for five consecutive weeks.
Prerequisites: Successful completion of all Year 1 and Year 2, Term 1.

EDPR 425
Education Practicum

A teaching practicum designed to meet the British Columbia College of Teachers (BCCT) requirements for certification to teach in BC (specific practicum length determined by BCCT).
Prerequisite: Qualifications required by BCCT and permission of the B.Ed. program Chair

EDPY 310
Child Development and Teaching (3,0,0) 3 credits

This course presents an overview of child development as it relates to teaching. It will begin with a survey of the main models and theories of child development and then consider relevant implications for teaching. Teacher candidates will 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.
Prerequisites: Admission to the TRU Bachelor of Education program.

EDPY 410
Special Education (3,0,0) 3 credits

This special education course is designed to introduce teacher candidates to the area of teaching children with special needs within the regular classroom. The course will begin with a consideration of the historical perspective on teaching children with special needs and will include information on relevant provincial legislation. Course topics include designing individual education plans and effective methods for teaching children with special needs in school settings.
Prerequisites: Successful completion of Year 1.

EDPY 415
Special Education: Specific Learning Disabilities (3,0,0) 3 credits

The purpose of this course is to introduce teacher candidates to the controversial field of specific learning disabilities (LD). The course will begin with a historical perspective on learning disabilities and an overview of relevant theoretical frameworks and models of learning disabilities. We will examine current legislation in British Columbia and its relationship to the school district, school, and classroom levels. Two key topics will be (a) screening, assessment, and identification practices, and (b) intervention strategies and how they affect classroom practice.
Prerequisites: Successful completion of Year 1, or permission of the instructor and Chair of the department.

EDPY 420
Assistive Technologies in Special Education (3,0,0) 3 credits

This course will 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 B.Ed. degree, a teaching certificate, or permission of the Chair.

EDPY 421
Assessment of Learning Difficulties (3,0,0) 3 credits

The course covers the principles and practices of assessing children with learning difficulties. The emphases will be on the assessment of literacy, mathematics, social and emotional behavior, and ability. Discussions will consider relevant interventions but the focus will be on assessment. A variety of forms of assessment will be considered including standardized testing, criterion-referenced assessment, portfolio assessment, and dynamic assessment.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission from the Chair.

EDPY 422
Field Experience in Special Education (3,0,0) 3 credits

Students will gain experience in specific special education settings via rotation among district programs (e.g., District Developmental and Behaviour Programs, Chris Rose Centre for Autism, Child Development Centre), district specialists (e.g., Teach of Deaf and Hard of Hearing, Teacher of the Visually Impaired), and resource and learning assistance programs.
Prerequisite: Completion of a Certificate in Special Education

EDPY 423
Selected Topics in Special Education (3,0,0) 3 credits

This course will be offered during the Spring or Summer session and the topic will vary depending on the expertise of the faculty available to teach the course.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission from the Chair.

EDPY 430
Adapting and Modifying Programs (3,0,0) 3 credits

The purpose of this course is to introduce students to strategies for adapting and modifying educational programs for children with special needs. Topics will include determining if children need adapted or modified programs, and generating and revising individual education programs (IEPs).
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Chair.

EDPY 431
Learning Disabilities (3,0,0) 3 credits

In this course students will be provided with an overview of teaching children with learning disabilities. Students receive experience with methods and programs for teaching children with learning disabilities and learn about the legalities of special education.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Chair.

EDPY 432
Behaviour Management for Children in Regular Classrooms (3,0,0) 3 credits

The purpose of this course is to introduce students to instructional and environmental strategies for teaching children with behaviour problems in regular classrooms. Topics will include methods to change behaviour in regular classroom settings, interviewing students, and working with families.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Chair.

EDPY 434
Disabilities in Mathematics (3,0,0) 3 credits

The course focuses on teaching children with disabilities in mathematics. The content will include assessing children with disabilities in mathematics, designing remedial mathematics programs, and reviewing research on effective teaching methods and programs.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Chair.

EDPY 436
Programming for Children with Behaviour Disorders (3,0,0) 3 credits

This special education course is designed to introduce 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 B.Ed. degree, a teaching certificate, or permission of the Chair.

EDPY 438
Early Intervention in Reading and Writing (3,0,0) 3 credits

The primary objective of the course is to prepare teachers to design and implement programs to teach primary-aged children having difficulty with reading and writing.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Chair.

EDPY 439
Fluency and Comprehension in Intermediate Grades (3,0,0) 3 credits

The primary objective of the course is to prepare teachers to design and implement programs to teach intermediate-aged children (Grades 4 to 7) having difficulty with fluency and reading comprehension.
Prerequisite: A B.Ed. degree, a teaching certificate, or permission of the Chair.

EDSC 320
Science Methods (3,0,0) 3 credits

This course is designed to introduce teacher candidates 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 teacher candidates the opportunity to explore the nature of science and learn how to teach science to children.
Prerequisites: Successful completion of Year 1, Term 1.

EDSC 415
Environmental Education (2,0,1) 3 credits

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.
Prerequisites: Successful completion of Year 1, or permission of the instructor and Chair of the department.

EDSC 416
Problem Solving in Science and Mathematics (3,0,0) 3 credits

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 teacher candidates 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 teacher candidates can provide opportunities to assist children to reason systematically and carefully, and to develop their understanding of science and mathematics.
Prerequisites: Successful completion of Year 1, or permission of the instructor and Chair of the department.

EDSL 420
ESL/Second Languages (2,0,0) 2 credits

This course introduces the instructional and assessment strategies that are effective in promoting the learning of a second language by elementary students. The course has two main goals. Goal one acquaints B.Ed. teacher candidates with the teaching techniques, procedures, and instructional resources used to teach second languages to children, focusing on English, French, and First Nations languages. Teachers interested in teaching other languages will be encouraged to adapt strategies to their own specific language. Goal two provides education students an opportunity to develop and practice using teaching and assessment resources for teaching a second language with a focus on French. These activities will provide an opportunity to develop some basic fluency in French. Students preparing to teach other languages will learn to adapt assignments to their language of study.
Prerequisites: Successful completion of all Year 1.

EDSO 320
Social Studies Methods (3,0,0) 3 credits

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 320 is linked to the 2-week practicum that teacher candidates take in the same semester (EDPR 320), and so teacher candidates will have the opportunity to teach several of the social studies lessons they will have developed.
Prerequisites: Successful completion of Year 1, Term 1.

EDSO 415
Global Education (3,0,0) 3 credits

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. Teacher candidates 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.
Prerequisites: Successful completion of Year 1, or permission of the instructor and Chair of the department.

EDTL 310
Teaching and Learning 1 (3,0,0) 3 credits

This course will focus on preparing lesson plans for teaching small groups of children. The course will be integrated with the EDLL 310 (Language and Literacy I) and EDPR 310 (Practicum I), and this will allow for direct links between course topics and classroom practice. Teacher candidates will have opportunities to implement teaching practices presented in EDTL 310 with small groups of children as part of EDPR 310, with the curriculum content being determined by the EDLL 310 course. For example, teacher candidates could prepare a lesson plan on teaching new vocabulary in a cooperative group format, teach the lesson in EDPR 310, and then make effective revisions to their teaching based on this experience. The method to teach vocabulary would be generated in EDLL 310, and planning the lesson (including preparing a lesson plan that includes teaching essential group social skills) would be covered in EDTL 310.
Prerequisites: Admission to the TRU Bachelor of Education program.

EDTL 320
Teaching and Learning 2 (3,0,0) 3 credits

This course will focus on preparing unit plans for teaching whole classrooms of children. The course will be integrated with the EDSC (Science), EDSO 320 (Social Studies), EDMA 320 (Mathematics II), and EDPR 320 (Practicum II) courses. This will allow for direct links between course topics and classroom practice. Teacher candidates will have opportunities to implement teacher practices presented in Teaching and Learning II with whole classrooms of children as part of EDPR 320, with the curriculum content being determined by the EDSC 320, EDMA 320, and EDSO 320 courses. For example, teacher candidates could prepare a unit on ancient Egypt that includes cultural aspects of pyramids, perspective drawing of pyramids, and geometry. Teacher candidates could teach more than one lesson in EDPR 320 and then make effective revisions based on their reflections.
Prerequisites: Successful completion of Year 1, Term 1.

EDTL 410
Teaching and Learning 3 (3,0,0) 3 credits

This course is intended to guide teacher candidates in the design of collaborative units and to incorporate language and literacy components across curricular areas. Teacher candidates 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 420 in Year 2 Winter Semester.
Prerequisites: Successful completion of Year 1.

EDUC 501
Research Methods (3,0,0) 3 credits

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 502
Philosophy and History of Education (3,0,0) 3 credits

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 503
Curriculum, Teaching and Learning (3,0,0) 3 credits

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 504
Diversity: Constructing Social Realities (3,0,0) 3 credits

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.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 505
Principles and Processes of Educational Leadership (3,0,0) 3 credits

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 506
Directed Seminar (3,0,0) 3 credits

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 507
Research Project: Design (3,0,0) 3 credits

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 508
Research Project: Implementation (3,0,0) 3 credits

This course will review a variety of methods for implementing research, including qualitative methods, surveys, action research, and experimental design. Students will also learn procedures for securing ethical approval for research.
Prerequisite: Admission to the TRU M.Ed. degree program

EDUC 509
Research Project: Presentation (3,0,0) 3 credits

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

EDVP 410
Drama (2,0,0) 2 credits

This course will introduce teacher candidates to the theory and practice of drama in the elementary classroom, both as a way of learning and as a way of representing knowledge.
Prerequisites: Successful completion of Year 1.

EDVP 411
Music (2,0,0) 2 credits

This is an introductory course in music education designed to give teacher candidates 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.
Prerequisites: Successful completion of Year 1.

EDVP 412
Visual Arts (2,0,0) 2 credits

This course is designed to facilitate the fundamental experience and understanding of the role, value, and issues in art education. Discussions are concerned with basic concepts related to children's artistic production, perceiving and responding to art, and the teacher's planning for art instruction. Studio activities are meant to introduce selected art materials and techniques appropriate for K-7 students and to facilitate reflection on the processes of making and teaching art.
Prerequisites: Successful completion of Year 1.

EDVP 415
Music Curriculum and Instruction: Elementary (3,0,0) 3 credits

This course will build upon music principles, concepts, and competencies learned in EDVP 411 (Music). In addition to extending theory and practice applications for the classroom, this course will also focus on composition and creativity. EDVP 415 is an elective music course open to second year B.Ed. teacher candidates, classroom teachers, and music specialists. Experiences through and about music will build on knowledge and skills from EDVP 411 and on participants' individual understandings, capabilities, and interests. This course will include both theoretical and practical components designed to develop skills, concepts, and attitudes in music education.
Prerequisites: Successful completion of Year 1, or permission of the instructor and Chair of the department.

EDVP 416
Visual and Performing Arts in Media and the Environment (3,0,0) 3 credits

This course will explore the arts in society, particularly related to public/popular contexts such as film (music, drama, dance, language), street art (visual art), and environmental sound (music).
Prerequisites: Successful completion of Year 1, or permission of the instructor and Chair of the department.

EDVP 417
Music as Language, Language as Music: Intertextual Dialogues (3,0,0) 3 credits

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 B.Ed. program.

Education and Career Planning

EDCP 040
Education and Career Planning (5,0,0) 3 credits

Education and Career Planning 040 is an ABE Intermediate course focusing on preparing adult learners with the life and employment skills required for successful employment. The students will be prepared 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 will participate in a series of experiential modules.
Note: This course is taught by the University Preparation department.

EDCP 102
Occupational Work Experience (1,0,0) 1 credit

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 will investigate essential employability skills required for that career and the relationship of those skills to the educational choices they have made. Integration of course work, occupational history, work experience and employability skills will be emphasized.
Prerequisite: One of the following: 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 060; or CESL 053 and CESL 054 with a grade of C+ or better.

Note: This course is a part of Foundations for Success.

EDCP 103
Self Assessment and Self-Awareness (1,0,0) 1 credit

This one credit course is designed to help students make informed decisions by assessing their strengths, interests and values in order to find the "right fit" when an individual connects his/her inner world with the options available in the world of work.
Prerequisite: One of the following: 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 060; or completion of CESL 053 and CESL 054 with a grade of C+ or better.

Note: This course is a part of Foundations for Success.

EDCP 203
Career Success Strategies (1,0,0) 1 credit

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.
Prerequisite: One of the following: 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 060; or completion of CESL 053 and CESL 054 with a C+ or better.

Note: This course is a part of Foundations for Success.

EDCP 303
Graduate Job Search Skills (1,0,0) 1 credit

This one credit course is designed to support and provide graduating students a broad understanding of Employability Skills and Career Search Strategies. EDCP 303 will teach these students the fundamentals of developing and utilizing the tools needed to make the transition from an academic environment to the current workforce.
Prerequisite: 3rd year standing or approval from the instructor.

Note: This course is a part of Foundations for Success.

Education and Skills Training

ESTR 001
Workplace Communication (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 002
Workplace Employability (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 003
Computer Literacy 1 (1,0,2)

Computer Literacy 1 is an introduction to personal computers and the terminology used. This course is designed to familiarize students with PCs and teach the skills needed to be successful when using a computer. Students will develop basic skills in keyboarding, navigating using the mouse and inputting URL addresses to access websites.
Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 004
Computer Literacy 2 (1,0,2)

Computer Literacy 2 is an introduction to word processing and navigating in a Windows environment. This course is designed for students who already have basic computer skills. Students increase their skills in keyboarding, word processing, and accessing the Internet. Assigned projects will relate to Job Search and topics related to the student's field of interest.
Prerequisite: ESTR 003

ESTR 006
Health and Safety (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 life style.
Prerequisite: Admission into Educational Skills and Training Certificate Program

ESTR 007
Job Search and Maintenance (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 008
Workplace English and Written Communications (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 core courses.

ESTR 009
Workplace Mathematics (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: Completion of Educational Skills and Training core courses.

ESTR 010
Practical Experience 3 (0,0,20)

Students in the career 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.
Prerequisites: ESTR 016

ESTR 011
Practical Experience 2 (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: ESTR 032 or ESTR 034 or ESTR 035.

ESTR 014
Workplace Academics 2 (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 013

ESTR 016
Introduction to the Workplace, Practical Experience (5,0,0)

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.

ESTR 021
Kitchen Theory 1 (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 4 Reading Level on the Brigance Inventory of Basic Skills

ESTR 022
Kitchen Experience 1 (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 4 Reading level on the Brigance Inventory of Basic Skills.

ESTR 023
Automotive Theory 1 (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 4 Reading level on the Brigance Inventory of Basic Skills.

ESTR 024
Automotive Experience 1 (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 4 Reading level on the Brigance Inventory of Basic Skills.

ESTR 025
Retail Theory 1 (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 026
Retail Experience 1 (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 031
Kitchen Theory 2 (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 021

ESTR 032
Kitchen Experience 2 (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 022

ESTR 033
Automotive Theory 2 (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 023

ESTR 034
Automotive Experience 2 (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 024

ESTR 035
Retail Theory 2 (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, mark ups and mark downs.
Prerequisite: ESTR 025

ESTR 036
Retail Experience 2 (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 026

ESTR 037
Advanced Topics in Job Selection and Job Search (3,0,0)

This course is intended for those students who have completed the core courses of 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 person interests, skills, and changes 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 temporary lay off.
Prerequisites: Admission into the ESTR program. Successful completion of four core courses: ESTR 001, 002, 006 and 007.

ESTR 038
Advanced Topics in the Workplace Success (3,0,0)

This course is intended for those students who have completed the core course of 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 meet these demands successfully.
Prerequisites: Admission into the ESTR program. Successful completion of four core courses: ESTR 001, 002, 006 and 007.

Electrical-Computer Engineering

EECE 254
Electronic Circuits 1 (3,0,0) 3 credits

This course will cover semiconductor fundamentals, the modelling of electronic components, and the design and analysis of devices such as amplifiers, power supplies, wave shaping circuits, and the logic circuits for electrical and computer engineering.
Prerequisite: EPHY 215 and EECE 256

Corequisite: EECE 281

EECE 256
Digital Logic Design (3,0,0) 3 credits

This course is an introduction to the principles of logic and digital systems for electrical and computer engineering students. Topical coverage will include data representation in digital systems; Boolean algebra; analysis, design, optimization and implementation of combinatorial and sequential circuits; and state machine fundamentals.
Corequisite: EECE 280 or permission of the Engineering Transfer program coordinator.

EECE 259
Introduction to Microcomputers (3,0,0) 3 credits

This course is an introduction to microcomputer hardware and software design for electrical and computer engineering students. Topics will include the architecture and operation of microprocessors and microcontrollers; instruction sets; machine and assembly language programming; memory devices and systems; and I/O structures, interface design, and I/O programming. Course coverage will be based on current microcontroller technology.
Prerequisite: EECE 256. Admission to the Electrical-Computer Engineering Year 2 Transfer program or permission of the Engineering Transfer program coordinator.

Corequisite: EECE 281

EECE 280
Electrical-Computer Engineering Lab 1 (1,0,3) 2 credits

This course will introduce electrical and computer engineering students to electronic test and measurement equipment and methods. Students will complete experiments and project work re-enforcing digital logic design topics.
Prerequisite: Admission to the Electrical-Computer Engineering Year 2 program or permission of the Engineering Transfer program coordinator.

Corequisite: EPHY 215 and EECE 256

EECE 281
Electrical-Computer Engineering Lab 2 (1,0,3)(L) 2 credits

This course will provide electrical and computer engineering students experience with semiconductor circuits, micro-controller hardware, assembly language programming, and embedded system design principles. These topics will be re-enforced through the completion of experiments and project work.
Prerequisite: EECE 280

Corequisite: EECE 254 and EECE 259

EECE 285
Electrical-Computer Engineering Group Project (1,0,3) 2 credits

This course will provide electrical-computer engineering students experience with engineering project management, team organization and dynamics, and effective presentation of technical material. Students will work in groups on a study of an engineering topic, or a solution to an engineering problem.
Prerequisite: Admission to Electrical-Computer Engineering Year 2 Transfer program.

Corequisite: EECE 281

Electronics

ELEC 110
Basic Electricity and DC Circuits (120 hours) 4 credits

This course covers the theory of DC circuits through analysis of Ohm's Law and Kirchhoff's Laws. It includes the wiring of basic circuits, fundamental measurement techniques using simple meters and troubleshooting of DC circuits.
Prerequisite: Acceptance to Electronics programs

ELEC 111
AC Circuits (120 hours) 4 credits

This course covers the theory of AC circuits. It includes the wiring of basic circuits, fundamental measurement techniques using function generators and oscilloscopes and troubleshooting of AC circuits.
Prerequisite: ELEC 110

ELEC 112
Basic Semiconductor Circuits (120 hours) 4 credits

This course covers the theory of basic semiconductor diodes and bipolar junction transistors and their application in power supply, switch and amplifier circuits. It includes the wiring, measuring and troubleshooting semiconductor circuits.
Prerequisite: ELEC 111

ELEC 113
Introduction to Computing (30 hours) 1 credit

This course will introduce the students to PC hardware and operating systems as well as using applications such as Word Processing, E-Mail, Internet and Electronics Simulators.
Prerequisite: Acceptance to Electronics program

ELEC 120
Discrete Analog Circuits (60 hours) 2 credits

This course includes the theory of field effect transistors and thyristors and their application, amplifiers, oscillators and switches. It includes the wiring, measuring and troubleshooting of these circuits.
Prerequisite: ELEC 112

ELEC 121
Linear Circuits (90 hours) 3 credits

This course includes the theory of linear integrated circuits and their application as voltage regulators, amplifiers, oscillators, timers and comparators. It includes the wiring, measuring and troubleshooting of these circuits.
Prerequisite: ELEC 120

ELEC 122
Digital Logic (60 hours) 2 credits

This course includes the theory of digital numbering systems, TTL and CMOS digital integrated circuits, basic gates and combinational logic. It includes the wiring, measuring and troubleshooting of these circuits.
Prerequisite: ELEC 121

ELEC 123
Digital Circuits (90 hours) 3 credits

This course includes the application of TTL digital integrated circuits in counters, shift registers, encoders, decoders and other basic digital circuits. It includes the wiring, measuring and troubleshooting of these circuits.
Prerequisite: ELEC 122

ELEC 124
Microprocessor Circuits (60 hours) 2 credits

This course includes the theory of Intel microprocessors and their application in basic computer circuits. It includes the wiring, measuring and troubleshooting of these circuits.
Prerequisite: ELEC 123

Corequisite: ELEC 125

ELEC 125
Programming Microprocessors (90 hours) 3 credits

This course includes the machine language programming and debugging of Intel-based single-board microprocessors and its application in the interfacing of basic computer circuits.
Prerequisite: ELEC 123

Corequisite: ELEC 124

Engineering Chemistry

Most chemistry laboratories begin the first week of classes. Students failing to attend will lose their laboratory space and may be required to withdraw from the course.

Students enrolling in Engineering Chemistry laboratory classes must purchase their own safety goggles (cost $6 - $10), lab coat (cost $15 - $20), and satisfactorily complete a laboratory safety orientation.

ECHE 115
Chemistry for Engineers (3,0,3)(L) 3 credits

ECHE 115 serves as the first year chemistry requirement for students pursuing an Engineering program. Topics include gas laws, equilibrium, redox reactions, electrochemistry, thermochemistry, entropy and free energy. Students are expected to become familiar with all these topics during the course. The laboratory stresses fundamental precision techniques in quantitative analytical and physical chemistry.
Prerequisite: Admission to the Engineering Transfer Program; Chemistry 12 or CHEM 060; Principles of Mathematics 12 or MATH 061; Physics 11 or PHYS 050 or PHYS 113

Engineering Design and Drafting

*Winter Term: Courses in the winter term run for 18 weeks. (Five weeks longer than the regular academic term.)

EDDT 150
Statics and Strength of Materials (5,0,0) 3 credits

This design course is intended to familiarize the student with the concepts of statical 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. Topics include deflections and an introduction to slenderness effects. The emphasis of the course is on problem solving and considerable importance is given to the presentation of calculations in an orderly engineering manner. Upon completion of this course, the student will have an understanding of the principles of statics and strength of materials as applied to basic structural and mechanical design problems.
Prerequisite: MATH 154, PHYS 151

Corequisite: MATH 164, PHYS 161

EDDT 180
Building Plumbing Design (3,0,2) 3 credits

Fundamentals of building, plumbing and natural gas system design involving a detailed examination of the B.C. Plumbing Code and the Natural Gas and Propane Installation Code. In addition, plumbing and gas piping building systems representation will be examined. On completion of the course material the student will be capable of the design and layout of basic residential and commercial plumbing systems, the design and layout of basic residential and commercial Natural Gas piping systems. In addition to the abilities learned above, the student will be able to expand upon general terminology and product knowledge associated with the plumbing, and gas system design.

During this course the student will be involved in the production of a commercial plumbing design and working drawings, including preliminary design sketches of each system.
Prerequisite: Admission to the Engineering Design and Drafting Technology program

Corequisite: EDDT 110, EDDT 111, EDDT 181

EDDT 211
Computer Aided Design and Drafting 2 (2,0,2)(L) 3 credits

Upon completion the successful student will have a working knowledge of OLE, menu customization, attribute extraction, importing and exporting different file formats, external reference files, and the creation of 3D surface and solid models, and the extraction of orthographic views from solid models.
Prerequisite: EDDT 111

EDDT 225
Building Design (1,0,1)(L) 1 credit

Fundamentals of building design, involving functional and aesthetic characteristics of building interiors and exteriors. Topics include design philosophy and approach; site considerations (orientation, topographical features, geological and soil conditions); environment and region (climate, temperature differential, precipitation, wind and snow loads, sun intensity); use of building; individual space requirements (space proportions and sizes, relationships amongst individual spaces and circulation requirements, entrance and exit locations); building shape (interior and exterior); structural and modular aspects; community; cost and restrictions; building code and zoning by-laws; drawing requirements; the principles of design; creating new design ideas; design fundamentals; the design process; design proposals; building planning.
Prerequisite: Admission to the Engineering Design and Drafting Technology program

EDDT 231
Applied Research Project Seminar (0,1,0) 1 credit

This seminar extends one of EDDT 240, 260 or 280 to support the completion of the Applied Research Project. In the seminar, students focus their research towards specific applications and implementations, and prepare to develop their final conclusions and report.
Prerequisite: ENGL 285

EDDT 240
Site Planning and Development (3,0,2)(L) 3 credits

This course will provide an introduction to the land development process and will focus specifically on issues related to site planning, organization and circulation. The connection between land use and transportation will be explored and methods to assess on-site and off-site transportation requirements be introduced. The course will include 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.
Prerequisite: EDDT 140

EDDT 250
Structural Analysis (3,0,0) 3 credits

This course examines structural loads and structural analysis. The intent of the course is to provide the student with the design tools necessary to carry out the structural analysis of a building.

The course includes a review of statics and strength of materials, the graphical design of trusses, arches and cable structures. Statically indeterminate beams are covered using both the method of consistent displacements and the three-moment equation. Statically indeterminate frames are analyzed using moment distribution. Analysis using frame analysis software is also covered.

The student is introduced to Part 4 of the National Building Code of Canada and will learn how to obtain the loads that act on building structures.

The emphasis of the course is on problem solving and considerable importance is given to the presentation of calculations in an orderly engineering manner.
Prerequisite: EDDT 150

EDDT 252
Fluid Mechanics (4,0,0) 3 credits

This course on fluid mechanics includes fluid statics, energy concepts in fluid dynamics, fluid flow in pipes, pump selection and open channel flow. Students are assigned problems that reflect situations found in industry.

The course also includes an introduction to municipal service design. Some hydrologic concepts are introduced and the rational method is applied to storm sewer design.

Upon completion of this course, the student will have a good understanding of the principles of fluid mechanics as applied to practical problems.
Prerequisite: EDDT 150

EDDT 260
Building Technology 2 (5,0,3)(L) 3 credits

This course involves the production of advanced level architectural design and working CADD drawings featuring reinforced concrete, masonry, curtain wall, metal stud and structural steel construction.

Topics include: application of architectural design theory; the design process; architectural working drawings; structural steel construction; heavy timber construction; the building envelope; masonry veneer walls; masonry cavity walls; roofing materials and applications; curtain wall systems; stair construction details; ceiling suspension systems; application of B.C. Building Code Part 3 (requirements for use and occupancy, exits and fire safety) and Kamloops Zoning By-law No. 5-1-200.

The project will consist of a set of drawings for a moderate size commercial, institutional or multi-residential building.
Prerequisite: EDDT 160, EDDT 225

EDDT 262
Materials and Applications 2 – Estimating (2,1,0)(L) 3 credits

This is a study of building construction materials and methods, emphasizing the construction processes and the scope of work in various trades. Basic principles of estimating will be covered, including measurement of work and construction pricing, in the context of various contractual relationships. Students will prepare bidding documents and apply traditional takeoff practices for tendering through the bid depository system. An estimating takeoff and tendering project will be produced from a small commercial building design.
Prerequisite: EDDT 160, EDDT 162

EDDT 263
Construction Management (2,1,0) 3 credits

This course focuses on fundamental planning, scheduling, problem-solving and decision-making as applied to construction projects.

Topics include: facilities planning; work study using the Critical Path Method (CPM) in project planning, scheduling, control and management functions; work measurement techniques will be applied to job site estimating, planning and cost control; engineering economics; staff and material resource allocation; time cost analysis and computer applications.
Prerequisite: EDDT 162

Corequisite: EDDT 262

EDDT 265
Building Regulations (2,1,0) 3 credits

This course provides the student 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*. The student will also research common municipal zoning by-law requirements, in reference to *Kamloops Zoning By-law No. 5-1-200* by-laws.

Prerequisite: EDDT 225, EDDT 260

EDDT 271
AutoLISP Programming (2,0,2)(L) 3 credits

This is a course in the fundamentals of computer programming. The AutoLISP programming language that is used is a version of common LISP that has been developed for the AutoCAD software.

Students completing this course will be able to write programs using the AutoLISP programming language to create their own CAD commands and to import and export data to and from CAD drawings. Students completing this course will be able to incorporate programs into the customization the AutoCAD software.

Prerequisite: EDDT 111, EDDT 211

EDDT 280
Building HVAC Design (3,0,2)(L) 3 credits

The course will cover the fundamentals of HVAC systems, HVAC system components, general methods of the review and selection of HVAC equipment, methods of sizing ductwork and hydronic heating piping, and the methods of preparing a working drawing. On completion of the course the student will be capable of producing a design and layout of a heating ventilating and air-conditioning system for a commercial building. In addition, the student will be familiar with the general terminology and product knowledge associated with heating ventilating and air-conditioning design.

During this course the student will be involved in the production of a commercial HVAC design and working drawings.

Prerequisite: EDDT 110, EDDT 111, EDDT 252, EDDT 281

EDDT 281
Building Services Theory (3,0,2)(L) 3 credits

The course will cover the fundamentals of thermodynamics as it relates to heat transfer calculations, psychrometrics, and fenestration. In addition, this course will examine sound and vibration control theory, hydraulic and pneumatic systems theory and design, building control theory and control system types.

During this course the student will be required to demonstrate heating and cooling load calculations for a commercial building as well as determining heating and cooling loads due to ambient air conditions via psychrometric calculations. The student will be required to design a hydraulic system, calculate acoustic values for ductwork and fan systems.

Prerequisite: EDDT 182, MATH 154, PHYS 151, PHYS 161

EDDT 296
Steel Design (4,0,0) 3 credits

This is a design course with major emphasis on the design and behaviour of steel structures. Topics covered include the selection of OWSJ, the design of structural steel trusses, purlins, beams, girders, girts, pin-ended columns, beam columns, and bracing.

The design of bolted connections including prying action is included. Base plate design is examined and the design of welded connections is covered. The student will also be introduced to the design of composite members.

Considerable use of calculator programs facilitates the solution of relatively complex design problems.

Prerequisite: EDDT 250

EDDT 297
Wood Design (3,0,0) 3 credits

This is a design course with major emphasis on the design and behaviour of wood structures. Students completing this course will be able to design timber trusses, purlins, beams, girders, pin-ended columns, beam-columns and bracing using sawn lumber plywood, glulam and manufactured products. The course also includes connection design using nails, bolts, lag screws and glulam rivets. Students will also be introduced to the Canadian Wood Council's wood design software "WOODS".

Prerequisite: EDDT 150

Corequisite: EDDT 250

EDDT 298
Reinforced Concrete Design (5,0,0) 3 credits

This course introduces the student to the design of reinforced concrete structures. Topics covered include the design of reinforced concrete beams, T-beams, columns, walls, footings, and retaining walls.

The course includes an examination of various methods of forming concrete beams, slabs, columns, walls and footings. Detailing of reinforced concrete is also introduced.

Upon completion of the course, the student will have knowledge of the fundamentals of reinforced concrete design and construction.

Prerequisite: EDDT 250

Engineering Physics

EPHY 115
Physics for Engineers 1 (3,1,0) 3 credits

This course is the same as PHYS 115 except that Engineering students do not do the laboratory portion.

Prerequisite: Admission to the Engineering Program

EPHY 125
Physics for Engineers 2 (3,0,3)(L) 3 credits

This course is the same as PHYS 125 except that Engineering students may complete different laboratory work.

Prerequisite: Admission to the Engineering Program

EPHY 170
Engineering Mechanics 1 (3,1,0) 3 credits

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 199
Introduction to Engineering Measurements (2,3*,0) 3 credits

This course is an introduction 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. The principles developed in the course are applied during seminars as well as during the discussion of case studies relevant to various engineering or scientific disciplines.

Prerequisite: MATH 113 or 114, and one of PHYS 115 or EPHY 115

Corequisite: MATH 123 or 124, and one of PHYS 125 or EPHY 125

EPHY 215
Circuit Analysis (4,0,3*)(L) 3 credits

This course covers 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 EECE Year 2 Transfer program.

Corequisite: MATH 211

Note: Credit will not be given for both PHYS 215 and EPHY 215.

EPHY 225
Intermediate Electromagnetism (3,0,0)(L) 3 credits

This course covers vector algebra, electrostatics, magentostatics, electric and magnetic fields in matter, and introductory electrodynamics for electrical and computer engineering.

Prerequisite: MATH 211. Admission to the EECE Year 2.

Note: Credit will not be given for both PHYS 225 and EPHY 225.

English

ENGL 030
Fundamentals of English (8,0,0) 4 credits

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 grammar.

Note: This course is taught by the University Preparation Department.

ENGL 040
Basic Language Skills (6,0,0) 4 credits

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.
Prerequisite: Completion of ENGL 030, or English 9, or equivalent, with a "B" or better; or placement on the TRU entry assessment tests at an 040 level in English.

Note: This course is taught by the University Preparation department.

ENGL 050
Developing Writing Skills (6,0,0) 4 credits

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.
Prerequisite: Successful completion of ENGL 040 or English 10, or equivalent with a C+ or better or Communications 12 with a C+ or better

Note: This course is taught by the University Preparation department.

ENGL 051
Developing Reading Skills (6,0,0) 4 credits

English 051 is designed to help students become more adept and more confident readers through practice in the basic skills of university reading. Along with English 050, English 051 provides students with advanced level (grade 11) standing.
Prerequisite: ENGL 040, English 10 or equivalent

ENGL 060
Literature and Composition (6,0,0) 4 credits

ABE – Provincial: ENGL 060 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.
Prerequisite: ENGL 050 or English 11 or equivalent, with a C+ or better, or completion of all of CESL 053, 054 and 057 with a grade of C or better

Note: This course is taught by the University Preparation department.

ENGL 062
Aboriginal Literature and Composition (6,0,0) 4 credits

ABE - Provincial: ENGL 062 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 060. 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 050 or English 11 or equivalent with a C+ or better or completion of all of ESAL 057 and ESAL 058 with a grade of C or better or based upon the results of an Accuplacer assessment.

Note: Students cannot receive credit for both ENGL 060 and ENGL 062

English Requirement

All students (including mature students) who intend to enroll in English 110 or English 111 are required to meet one of the criteria below.

Note: International students are required to complete ESAL 057 and ESAL 058 with a grade of C+ or better for Admission Requirement. CESL 059 can be used as a prerequisite for Career-Technical English courses (ENGL 150-159, ENGL 179, ENGL 181, ENGL 185 and ENGL 285)

The Language Proficiency Index is used to diagnose the student's level of writing skills. The results provide an indication of the type and level of English course best suited to the individual's need.

LPI result slips should be presented during registration. Students in doubt as to interpretation of results and course placement should consult the Chairperson of English and Modern Languages or an Academic Advisor (OM1100).

This regulation applies to students transferring to TRU from other post-secondary institutions, unless they possess the equivalent of two semesters of first-year English.

Please check with the English Department regarding second year English offerings.

ENGL 110
Composition (4,0,0) 3 credits

The emphasis is on the development of composition skills and on short essays, logical thinking and argument. Instructors may use some literature in the course.
Prerequisite: One of the following guidelines should be followed:

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 060

or completion of ESAL 057 and ESAL 058 with a grade of C+ or better

ENGL 111
Introduction to Prose Fiction (4,0,0) 3 credits

A study of representative works of modern fiction - short story and novel. The course includes regular written assignments.
Prerequisite:

80% on the combined English 12 and Government exam (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 110

ENGL 112
Introduction to Poetry (4,0,0) 3 credits

An introduction to the fundamentals of poetry and poetic analysis and terminology, through an examination of poetry from many periods, with an emphasis on the Twentieth Century.
Prerequisite: 80% on the combined English 12 and Government exam (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 110 or ENGL 111 or ENGL 114, or completion of ENGL 060 and on the recommendation of the 060 instructor to the EML department, or completion of CESL 057, CESL 053 and CESL 054 with a grade of C+ or better

Note: Students who have received credit for ENGL 121 are not eligible to receive credit for this course.

ENGL 114
Introduction to Drama (4,0,0) 3 credits

A study of representative works of drama, including background materials, with an emphasis on the twentieth century. Regular written assignments.
Prerequisite: 80% on the combined English 12 and Government exam (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 110 or ENGL 111 or ENGL 114, or completion of ENGL 060 and on the recommendation of the 060 instructor to the EML department, or completion of CESL 057, CESL 053 and CESL 054 with a grade of C+ or better

Note: Students who have received credit for ENGL 121 are not eligible to receive credit for this course

ENGL 115
Introduction to Creative Writing (2,2,0) 3 credits

This course will introduce three of the four following genres of creative writing - poetry, fiction, drama and creative non-fiction. Emphasis will be placed on image, voice, character, setting, narrative, and development and revision.
Prerequisite: 80% on the combined English 12 and Government Exam (within the last 5 years), or Level 5 on the composition section of the Language Proficiency Index (within the last 2 years).

ENGL 121
An Introduction to Drama and Poetry (4,0,0) 3 credits

A study of representative works of drama and poetry, including relevant background materials, with an emphasis on the twentieth century. Regular written assignments.
Prerequisite: ENGL 110 or 111

Note: Students who have received credit for ENGL 112 or ENGL 114 are not eligible to receive credit for this course.

ENGL 129
Introduction to Professional Writing (4,0,0) 3 credits

English 129 will introduce students to the theories and practise of professional business and technical writing. Students will learn writing techniques and practice editorial skills as these relate to business and technical writing. Elements of style, awareness of audience and clarity of purpose will be stressed as integral aspects of effective writing and speaking. English 129 is designed to be non-program specific and to complement the foundations of academic composition presented in English 110.
Prerequisite: ENGL 110, 111, 112, 114 or 121

Note: ENGL 129 is not open to students registered in or with credit in ENGL 229 and/or any first-year (program-specific) technical communications course such as ENGL 181 or ENGL 191.

Vocational, Technical and Professional English Note

Note: ENGL 130/131 are Vocational courses
ENGL 157-195 are Technical/Professional courses

ENGL 130
Communications English 1 (4,0,0) 3 credits

This course will introduce students to the practice of effective, written, oral and visual communication skills specific to the horticulture field. Instruction will include a review of basic writing skills, correspondence, research and computer skills.
Prerequisite: Admission to the Horticulture program.

ENGL 131
Communications English 2 (4,0,0) 3 credits

This course extends writing, research, oral presentation and computer skills. Instruction will include report writing and job search skills.
Prerequisite: Admission to the Horticulture program.

ENGL 149
Technical Communication for Applied Industrial Technology (3,0,0) 3 credits

This course emphasizes effective technical communication skills in the field of electronics. Instruction will include a review of basic writing skills, business correspondence, technical instructions, technical description, informal recommendation report, and an oral presentation.
Prerequisite: Acceptance in the Electronics program

ENGL 166
Occupational Writing for AHTs (4,0,0) 3 credits

Occupational writing and oral presentation skills are the focus of this course. Students learn and practice the career uses of correspondence, reports, proposals, instructions, definitions, and informational speeches.
Prerequisite: Admission to the Animal Health Technology program.

ENGL 179
Technical Communications (3,0,0) 3 credits

This course emphasizes effective technical communication skills, both written and oral. Students learn the technical approach to correspondence, reports, proposals, instructions, and informational speeches.
Prerequisite: Admission to the CMFG program on a full or part-time basis

ENGL 181
Business, Professional, and Academic Composition (4,0,0) 3 credits

English 181 teaches the theory and the practice of successful academic, business and professional composition; the similarities and differences involved in writing for business and academic purposes; and the research and documentation skills involved in both.
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 060, or completion of CESL 053, CESL 054 and CESL 057 with a grade of C+ or better.

ENGL 185
Technical Writing 1 (4,0,0) 3 credits

The course is designed to complement the EDDT Program by giving students the opportunity to improve grammar, writing, and oral presentation skills and learn the types of writing modes and patterns they will need to use in technical vocations.
Prerequisite: Admission to the Architectural and Engineering Technology Program

ENGL 191
Report Writing and Business Presentations (4,0,0) 3 credits

Skills in business communication and persuasion are expanded in this sequel to ENGL 181. Emphasis is 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 or Business Diploma programs. The student must have completed ENGL 181 with a minimum C- and/or completed an equivalent, technical writing course.

ENGL 192
Professional Presentation/Communication (4,0,0) 3 credits

Skills in business communication, employment search, and persuasion are expanded in this sequel to ENGL 181. Emphasis is on the content, organization, documentation and format of various types of business reports; the professional employment search; and the effective oral presentation.
Prerequisite: Acceptance into the Tourism Diploma program. The student must have completed ENGL 181 with a minimum C- and/or completed an equivalent, technical writing course.

ENGL 193
Report Writing and Business Presentations for CSOM (4,0,0) 3 credits

This course emphasizes the process of writing short and long technical reports and includes instruction on primary and secondary researching methods, standard documentation methods, effective organizations of data, and improving communication strategies. Throughout the semester, students will discuss, research and apply the interrelationship between products and the message, the audience, the purpose, and the various channels (reports, orals, web pages) of communication.
Prerequisite: Acceptance into the CSOM program. The student must have completed ENGL 181 with a minimum of C+ and/or completed an equivalent, technical writing course.

ENGL 194
Report Writing and Business Presentations (4,0,0) 3 credits

This course emphasizes the process of writing both academic and technical reports and includes instruction on primary and secondary research methods, documentation methods, effective organization of data and the improvement of communication strategies, both written and spoken.
Prerequisite: Admission into the Child and Youth Care Diploma Program, plus ENGL 110, or ENGL 181, or instructor's permission

ENGL 195
Report Writing and Oral Presentations for Early Childhood Educators (4,0,0) 3 credits

Skills in professional communication and persuasion are expanded in this sequel to ENGL 181. Emphasis is on the content, organization, and format of various types of professional reports essential to success for early childhood education centre administrators; on the process of writing them; on methods of documenting their sources of information; and on orally presenting such reports to professional audiences.
Prerequisite: ENGL 181

ENGL 197
Report Writing and Presentation for Students of Respiratory Therapy (3,0,0) 3 credits

Skills in professional communication, research, and group collaboration are expanded in this sequel to ENGL 181. Emphasis is on the content, organization, and format of various types of professional reports and presentations essential for health care professionals; 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 Respiratory Therapy program. The student must have completed ENGL 181 with a minimum C-.

Second Year Courses Note:

As second year courses are governed by a system of rotation, not all courses listed below will be offered every year. Consult Department Chairperson for offerings this year.

ENGL 201
Intermediate Composition 1 (4,0,0) 3 credits

Study of basic techniques and extensive practice in prose writing, with a focus on the descriptive and narrative modes. Attention will also be paid to grammar and punctuation, and various stylistic strategies.
Prerequisite: Any two of ENGL 110, 111 or 121

ENGL 202
Intermediate Composition 2 (4,0,0) 3 credits

Study of basic rhetorical principles, and extensive practice in the writing of the expository and persuasive types. Attention will be paid to grammar, to the forms and fallacies of reasoning, and to various stylistic strategies.
Prerequisite: Any 2 of ENGL 110, 111, 112 or 114

ENGL 204
Studies in Canadian Drama (4,0,0) 3 credits

Through a focus on modern and contemporary plays, this course will introduce the student to various theatrical techniques and dramatic modes. Works by such playwrights as Pollock, Tremblay, Ryga, Highway, MacLeod and Lepage will be among those studied.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent.

ENGL 206
Creative Writing - Fiction (2,2,0) 3 credits

This course consists of lectures and workshops on writing fiction. Emphasis is on the study and practice of basic techniques of fiction writing. Lectures, readings and assignments will focus on identifying and applying various elements of contemporary fiction writing.
Prerequisite: Six credits of first-year English

ENGL 207
Creative Writing - Drama (2,2,0) 3 credits

This course consists of lectures and workshops on writing stage plays. Lectures and assignments will focus on techniques and requirements of contemporary play writing.
Prerequisite: Six credits of first-year level English

ENGL 208
Creative Writing - Poetry (2,2,0) 3 credits

This course consists of lectures and workshops on writing poetry. Emphasis is on the study and practice of basic techniques of writing poetry. Lectures, readings and assignments will focus on identifying and applying various stylistic elements of contemporary poetry writing.
Prerequisite: Six credits of first-year English

ENGL 211
Survey of English Literature, Beginnings to 17th Century (4,0,0) 3 credits

A study of selected major authors of the Old English, Medieval and Renaissance periods in English literature. Authors will include Chaucer, Shakespeare, Donne and Milton.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent.

ENGL 214
Biblical and Classical Backgrounds of English Literature 1 (4,0,0) 3 credits

The course will introduce students to classical literature and the Bible (Old Testament) in such a way as to contribute to an enlightened appreciation of English literature. Representative works of English literature that have been influenced by the Bible and by classical literature will also be read and discussed.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent.

ENGL 215
Women and Literature 1 (4,0,0) 3 credits

This course examines key issues in historical and contemporary women's writing, investigating women's thematic concerns and their distinctive use of literary genres such as the essay, fiction, drama, criticism, and life writing.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent.

ENGL 216
Introduction to American Literature 1 (4,0,0) 3 credits

An introduction to the major writers and trends of thought in American literature up to and including Dickinson. Authors studied will include Emerson, Hawthorne, Thoreau, Whitman, Dickinson, Cooper and Melville. Trends of thought considered will include puritanism, gothicism, transcendentalism, romanticism and naturalism.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent.

ENGL 217
Survey of Canadian Literature, Beginnings to 1950s (4,0,0) 3 credits

This course is an introduction to major writers and trends of thought in Canadian literature up to the 1950s. Moodie, Leacock, Lampman, Grove, Ross, and Watson may be among the authors studied.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent.

ENGL 218
Studies in Poetry (4,0,0) 3 credits

This course will improve the student's ability to respond to and interpret poetry. Representative poems will be studied to explore the relationship between language, structure and experience. This course and ENGL 219 constitute a full year of English.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent.

ENGL 219
Studies in Drama (4,0,0) 3 credits

An introduction to various dramatic modes such as comedy and tragedy. Use will be made of audio-visual support materials. Evaluation will be balanced between critical papers and examinations. This course and ENGL 218 constitute a full year of English.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent.

ENGL 220
Studies in Literature 1 (4,0,0) 3 credits

The content of this course changes each year; please 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 221
Survey of English Literature, 18th and 19th Century (4,0,0) 3 credits

A study of 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 224
Biblical and Classical Backgrounds of English Literature 2 (4,0,0) 3 credits

This course will introduce students to classical literature and the Bible (New Testament) in such a way as to contribute to an enlightened appreciation of English literature. Representative works of English literature that have been influenced by the Bible and by classical literature will also be read and discussed.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent

ENGL 225
Women and Literature 2 (4,0,0) 3 credits

A continuation of ENGL 215.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent

ENGL 226
Introduction to American Literature 2 (4,0,0) 3 credits

An introduction to the major writers and trends of thought in American literature since Dickinson. Authors studied may include Twain, James, Frost, Eliot, Pound, Stevens, W.C. Williams, Steinbeck, Hemingway, Faulkner and Malamud. Trends of thought will include existentialism, impressionism and expressionism.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent

ENGL 227
Survey of Canadian Literature From the 1950s to the Present (4,0,0) 3 credits

Through a study of major authors such as Atwood, Davies, Laurence, and Munro, this course explores the major movements and trends of thought in post-1950 Canadian literature.
Prerequisite: C (or better) in two first-year Academic English courses, or instructor's written consent

ENGL 229
Professional Business and Technical Writing (4,0,0) 3 credits

Intended to assist students who plan careers in business, government, public service, and research institutions, this course is designed to develop professional skills in oral and written communications. The course's practical basis, which requires oral presentations, business letters, reports, and memoranda, is implemented by background material on relevant communication theory.
Prerequisite: C+ standing (or better) in ENGL 110 and 111, or 181 and one of 191, 192, 193.

ENGL 230
Critical Thinking and Writing for Science and Technology (4,0,0) 3 credits

Students will analyse and discuss examples of writing from scientific and technical literature from both a contemporary and historical perspective.
Prerequisite: First year academic English (6 credits); admission to the Bachelor of Natural Resource Science program

ENGL 231
Technical Writing and Editing for Digital Art and Design (4,0,0) 3 credits

This course builds on the skills learned in English 181. The assignments allow students to review grammar and to work on developing, a publishable style; the emphasis of the course is on revising and editing for publication. The class is held in a computer lab where the basics of Microsoft Word will be reviewed/taught; students will compose assignments in MS Word and will receive in-class feedback to help build revision skills. A portfolio is required at the end of the course with revisions of all major assignments.
Prerequisites: ENGL 181 with a C+ or better. Second year standing in the DAAD program or written permission from the program coordinator.

ENGL 240
Studies in Literature 2 (4,0,0) 3 credits

The content of this course changes each year; please 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 241
Canadian Native Literature (4,0,0) 3 credits

This course will begin with a look at traditional oratory, move to a study of interfusional literature, and focus on modern and contemporary poetry, drama, short story, novel and essay.
Prerequisite: C (or better) in two first-year Academic English courses

ENGL 255
Technical Communications for Engineering (3,0,0) 3 credits

This course focuses on writing technical reports and includes instruction on primary and secondary researching methods, standard documentation methods, effective organization of data, and oral presentation skills. Students will discuss, research and design documents (e.g. letters, reports and proposals) and prepare and deliver presentations typical of professional engineering practice through out the course.
Prerequisite: ENGL 110 or 111 with a C+ or better. Admission to the EECE Year 2 transfer program or written permission of the program coordinator.

ENGL 285
Technical Writing 2 (4,0,0) 3 credits

The course builds on the skills learned in English 185, emphasizing report writing, technical correspondence, and job search skills. During the course, students focus on organizing their summer research projects into a major technical report.
Prerequisite: ENGL 185; Admission to the Architectural and Engineering Technology Program

ENGL 307
Studies in Rhetoric (3,0,0) 3 credits

This course covers special topics in rhetorical theories and their applications.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 308
Advanced Composition 1 - Personal Expression (3,0,0) 3 credits

English 308 focuses on the rhetoric or 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, we will explore how a focus on personal expression can be used to improve writing skills at an advanced level.

English 308 is open to all third-year students, and is designed to be especially relevant to English majors and those contemplating a career in Education.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 309
Advanced Composition 2 - Writing in the Disciplines (3,0,0) 3 credits

English 309 offers students the opportunity to explore and master the kinds of writing required in different academic disciplines, while also encouraging them to move across traditional boundaries. The course begins with an introduction to the principles of Discourse Analysis, and then offers the opportunity to practice writing in different disciplinary styles and forms. In short, the course helps students understand what it means to write "like a sociologist," "like a literary critic," "like an historian," etc. Attention will be given to the four main disciplinary areas: the humanities, the social sciences, the natural sciences, and business.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 310
Composition Theory 1: Classical Theory (3,0,0) 3 credits

A study of Classical theories of rhetoric, including the thought of the Sophists, of Aristotle, Cicero and Quintlilian, applied to contemporary composition. English 310 is open to all third-year students and is especially relevant to English majors contemplating a career in Education or Communication.
Prerequisite: ENGL 110, 111, or 121, or equivalent, in addition to third-year standing.

ENGL 311
Composition Theory 2: Contemporary Theory (3,0,0) 3 credits

A continuation of English 310, this course presents a study of selected schools of thought in contemporary composition theory, combined with practical discussions related to student writing.
Prerequisite: ENGL 310 or instructor's written permission.

ENGL 313
European Literature in Translation (3,0,0) 3 credits

This course deals with aspects of the European literary tradition from its beginnings to the twentieth century, focusing on major representative texts in translation and their relevance to English literature.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 314
Studies in Fiction (3,0,0) 3 credits

This course includes special topics involving thematic, generic, or formal approaches to fiction.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 315
Studies in Non-Fiction: Biography and Psychobiography (3,0,0) 3 credits

A study of the development and theory of the genre of biography.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 316
Studies in Literature and the Other Arts (3,0,0) 3 credits

Ways in which writers and artists in other media deal with common themes; problems in formal and stylistic relationships between literature and other arts. Specific topics will be announced each year.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 317
Science Fiction (3,0,0) 3 credits

This course focuses on the main trends in science fiction since 1960 and includes works by Dick, Ballard, Le Guin, Gibson, and others.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 318
Children's Literature (3,0,0) 3 credits

A study of selected works from children's literature of the last three centuries; connections between children's literature and the adult cultural tradition.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 319
Studies in the Intellectual Backgrounds of Literature (3,0,0) 3 credits

This course covers special topics in the history of ideas, with particular reference to ideas that illuminate or are embodied in literature.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing

ENGL 320
History of the English Language (3,0,0)(3,0,0) 6 credits

Development of the English language from the West Germanic to the present; phonology, morphology, syntax, and vocabulary.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 326
Quebec Literature in Translation (3,0,0), 3 credits

This course provides an overview of issues and theories relevant to Quebec fiction, by focusing 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 will be read in translation. No prior knowledge of French is required.
Prerequisites: Two of ENGL 110, 111, or 121, or equivalent in addition to third-year standing. CNST 200 is recommended. No prior knowledge of French is required.

Note: Cross-listed with CNST 326 and FREN 326

ENGL 327
Structure of Modern English 1 (3,1,0) 3 credits

A discussion of English phonetics, phonology, and morphology. Open to second-year students.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 328
Structure of Modern English 2 (3,1,0) 3 credits

A discussion of English syntax and semantics. Open to second-year students.
Prerequisite: ENGL 110/111/121 (any two) and ENGL 327

ENGL 330
Practical Criticism (3,0,0) 3 credits

Exercises in criticism involving various critical approaches to literature. A limited number of texts will be examined closely.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 331
Forms and Metres in English Poetry (3,0,0) 3 credits

This course will study the main forms and metres that were used in English poetry from the late Renaissance until the end of the 19th century, and are still used today.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 332
Modern Critical Theories (3,0,0) 3 credits

A review of modern trends, with some emphasis on practical criticism.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 333
Special Topics in Creative Writing (1,2,0) 3 credits

Advanced study and practice of one or more of: literature for a young audience; screenwriting; drama; genre writing (for example, mystery, horror, science fiction, or fantasy). Through readings and workshops, students will define their own projects and produce a substantial portfolio of original work.
Prerequisite: Six credits of first-year English plus third-year standing

ENGL 335
Studies in Major Authors (3,0,0) 3/6 credits

The works of no more than two significant writers will be examined. Specific topics will be announced each year.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 336
Advanced Creative Writing in Prose Fiction (3,0,0) 3 credits

Advanced study and practice of writing fiction. Through readings and workshops, students will define their own projects and produce a substantial portfolio of original work.
Prerequisite: Six credits of first-year English as well as third-year standing.

ENGL 355
Chaucer (3,0,0) 3 credits

A detailed study of Chaucer's major works.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 365
Shakespeare (3,0,0)(3,0,0) 6 credits

Lectures on various aspects of Shakespeare's art. Detailed study of twelve plays.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 366
Studies in Shakespeare (3,0,0) 3 credits

Study of Shakespeare and contemporary film.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 371
Poetry of the Earlier Seventeenth Century (3,0,0) 3 credits

Examination of one or more of the major trends in poetry before 1660: Donne and the metaphysical style; Jonson and the classical style; the Cavalier poets.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 373
Topics in Seventeenth-Century Literature (3,0,0) 3 credits

This course explores special themes, forms, and authors (excluding Milton) of seventeenth-century literature. Specific topics will be announced each year.
Prerequisite: 3rd year standing; any two of ENGL 110, 111, 112, 114, or 121

ENGL 374
Milton's Paradise Lost (3,0,0) 3 credits

The primary focus of this course is an in-depth study of Milton's epic.
Prerequisite: 3rd year standing; as well as two of ENGL 110, 111, 112, 114, or 121

ENGL 375
Milton (3,0,0)(3,0,0) 6 credits

This course examines Milton's works and their contexts in depth.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 381
Poetry of the Age of Dryden and Pope (3,0,0) 3 credits

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 110, 111 or 121 in addition to third-year standing.

ENGL 382
Poetry of the Middle and Late Eighteenth Century (3,0,0) 3 credits

Poetry from the time of Johnson to the beginnings of Romanticism. Representative authors include Johnson, Collins, Smart and Cowper.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 384
The English Novel in the Eighteenth Century (3,0,0) 3 credits

The beginnings of the realistic novel and its development from Defoe to Jane Austen.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 385
Restoration and Early Eighteenth Century Literature (3,0,0) 3 credits

This course offers a survey of Restoration and early eighteenth-century English literature and its backgrounds. Poetry, drama and prose will be examined. The course is organized chronologically, to emphasize literary developments.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third year standing.

ENGL 386
Mid and Late Eighteenth Century Literature (3,0,0) 3 credits

This course offers a survey of literature from the middle to the end of the eighteenth century. It explores 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 110, 111 or 121 in addition to third year standing.

ENGL 389
Studies in Eighteenth Century Thought and Literature (3,0,0) 3/12 credits

Term or full year course in which systems of thought or other elements of the culture of the period will be studied as they contribute to the interpretation and evaluation of literature. Topics vary from year to year.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 391
Romantic Poetry (3,0,0)(3,0,0) 6 credits

Blake, Wordsworth, Coleridge, Byron, the Shelleys, and Keats.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 394
The Victorian Novel (3,0,0) 3 credits

Developments in the novel from Dickens to Thomas Hardy.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 400
Early Modern British Literature (3,0,0) 3 credits

Developments in British Literature, including the genres of novel, poetry, drama, and biography, from 1880 to the 1920s.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 404
The Modern British Novel (3,0,0) 3 credits

Developments in the novel up to the Second World War.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 413
Contemporary British Drama (3,0,0) 3 credits

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 110, 111 or 121 in addition to third-year standing.

ENGL 414
The Contemporary British Novel (3,0,0) 3 credits

The novel from the Second World War to the present.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 415
Studies in Women's Literature (3,0,0) 3 credits

Major themes in Women's literature or theory.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing

ENGL 416
Topics in Modern Irish Literature (3,0,0) 3 credits

This course examines topics in Irish literature in English since the Irish Literary Renaissance.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing

ENGL 420
Canadian Literature (3,0,0)(3,0,0) 6 credits

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 424
Nineteenth Century Canadian Literature (3,0,0) 3 credits

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 110, 111, 112, 114 or 121, in addition to third-year standing

ENGL 425
Contemporary Canadian Poetry (3,0,0) 3 credits

This course will survey Canadian poetry from 1960 to the present, together with necessary backgrounds. Individual poets will be studied in cultural and historical context, and attention will also be paid to specific literary patterns and developments in the period.
Prerequisite: Any two of ENGL 110, 111 or 121, in addition to third-year standing

ENGL 426
Studies in Canadian Literature (3,0,0) 3/12 credits

Special topics which may include particular periods, individual authors, or material not covered in other courses. Specific topics will be announced each year.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 434
American Fiction to 1900 (3,0,0) 3 credits

Emphasis on the writings of Irving, Poe, Hawthorne and Melville.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 435
American Fiction in the First Half of the Twentieth Century (3,0,0) 3 credits

Major movements and writers.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 436
Studies in American Literature (3,0,0)(3,0,0) 3/12 credits

Special studies of individual periods of authors or themes.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 437
American Fiction from Mid-Twentieth Century to the Present (3,0,0) 3 credits

Major authors and themes including postmodernism and neorealism.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 444
Postcolonial Women's Literature (3,0,0) 3 credits

This course will study literature written in English by women from African nations, Australia, Canada, New Zealand, the Caribbean and India. Work written from imperialist, colonial and aboriginal perspectives will be included. Students will explore identity and gender politics through the analysis of texts by women from diverse nations and backgrounds.
Prerequisite: Any two of ENGL 110, 111, or 121, in addition to third-year standing.

ENGL 445
Commonwealth/Postcolonial Literature (3,0,0) 3 credits

This course will survey "colonial" and "postcolonial" literature from Canada, New Zealand, Australia, Asia, Africa and the Caribbean, with an emphasis on modern fiction. Works will be studied within their historical and cultural contexts, and students will discuss issues like canon formation, generic conventions, language choices, ethnic and first nations identifications, and competing definitions of "postcolonial".
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 446
Studies in Commonwealth/Postcolonial Literature (3,0,0) 3 credits

Major themes in postcolonial literature or theory.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 447
Studies in Aboriginal Literature (North American) (3,0,0) 3 credits

This course focuses on the contemporary writing of aboriginal people in English in Canada and the United States, exploring 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: Third year standing; any two of the following: ENGL 110, ENGL 111, ENGL 121 with a C average. ENGL 241 recommended.

ENGL 451
Studies in Literary Movements (3,0,0) 3/12 credits

Such literary movements as Naturalism, Realism, Imagism, Impressionism, Vorticism, and Modernism.
Prerequisite: Any two of ENGL 110, 111 or 121 in addition to third-year standing.

ENGL 460
American Poetry of the First Half of the Twentieth Century (3,0,0) 3 credits

Major poets and themes from 1900 to the 1950s.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 461
American Poetry from the Mid-Twentieth Century to the Present (3,0,0) 3 credits

Major poets and themes from the 1950s to the present.
Prerequisite: Any two of ENGL 110, 111, or 121 in addition to third-year standing.

ENGL 476
Scholarly Editing and Publishing (3,0,0) 3 credits

English 476 is a course in editing and publishing, with a focus on Canadian literature and language. The course will introduce students to the study and practice of scholarly publishing: students will explore the history of literary journal publication in Canada; they will gain hands-on experience editing academic articles for a refereed journal; they will have the opportunity to write critical reviews for publication; and they will explore questions of page design layout, and printing. As a "student editor" for TRU's scholarly journal "Textual Studies in Canada", each student will contribute to the editing of a refereed article, taking it through the process of manuscript review, manuscript editing, copyediting, layout and publication.
Prerequisite: Fourth-year standing; successful completion of at least 6 credits of third-year literature or composition.

ENGL 498
Rhetoric and Professional Writing: The Graduate Essay (1,0,0) 1 credit

The graduating essay may be written, with the permission of a Majors advisor, in lieu of completion of ENGL 499, the capstone course in Career Preparation. This essay option is intended for students considering further studies in English rather that direct entry into the workforce. In ENGL 498, the student will revise a paper completed during his/her course of studies; the revision will be completed under the direction of a selected faculty member, be read by three other faculty members, and may be presented orally as part of the Annual Rhetoric & Professional Writing Undergraduate Conference to be held annually by the TRU EML department. As in the case of Directed Studies, the Chair must approve the individual course of study. The essay may emerge from any course taken for credit in the RPW Major Option. Like ENGL 499, this course is one credit.
Prerequisite: Fourth-year standing in the Rhetoric and Professional Writing (RPW) English Major option

ENGL 499
The Rhetoric and Professional Writing Capstone Seminar (1,0,0) 1 credit

English 499, the "capstone" requirement for students wishing to complete the Rhetoric and Professional Writing Major, 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 (English 498). Please see program description for details.
Prerequisite: Fourth-year standing in the Rhetoric and Professional Writing program (students enrolled in either of the other two English majors streams may be admitted into English 499, assuming that they have fourth-year standing and assuming that the course has space)

English as a Second or Additional Language

ESAL 012
Basic Grammar (4,0,0) 3 credits

Students will learn basic forms of English Grammar including simple and progressive verb tenses, parts of speech, prepositions, and an introduction to modals. Students will practice these structures through communicative and functional activities.
Prerequisite: Placement according to English placement test

ESAL 013
Basic Language Skills (4,0,0) 3 credits

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 015
Basic Oral Communication (4,0,0) 3 credits

Through listening comprehension and oral performances, students will practice their communication skills. Students will learn to comprehend the main ideas in short passages and listen for specific detail as well as engage in short conversations and report personal information and express opinions.
Prerequisite: Placement according to English Placement test

ESAL 017
Basic Reading Skills (4,0,0) 3 credits

This course will focus on reading strategies. Emphasis will be on vocabulary growth and comprehension and expression of the main idea. Students will develop study and reading skills such as pre-reading and reading rate strategies.
Prerequisite: Placement according to English Placement test

ESAL 018
Basic Writing Skills (4,0,0) 3 credits

This course will focus on writing strategies. Emphasis will be on development of sentence structure and sentence variety to the paragraph level. Students will also be introduced to the paragraph form, including expression of the main idea in topic sentences.
Prerequisite: Placement according to English Placement test

ESAL 022
Pre-Intermediate Grammar (4,0,0) 3 credits

This course is intended to assist students in improving and practicing their spoken English and written grammar. Students will study past, present and future verb tenses in the simple, progressive and perfect forms. Students will also study gerunds and infinitives, phrasal verbs, comparatives, prepositions, modals, determiners, articles and agreement.
Prerequisite: Satisfactory completion of ESAL 012 (C+ or better) or placement from English Placement test

ESAL 023
Pre-Intermediate Language Skills (4,0,0) 3 credits

This course will integrate 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. It also includes using computer technology an university and community resources.
Prerequisite: Satisfactory completion of ESAL 012 (C+ or better) or placement from English Placement test

ESAL 025
Pre-Intermediate Oral Skills (4,0,0) 3 credits

This course is intended to assist students to improve their communication skills. Students will develop their listening and speaking skills.
Prerequisite: Satisfactory completion of ESAL 015 (C+ or better) or placement on the English Placement test

ESAL 027 (formerly CESL 027)
Pre-Intermediate Reading Skills (4,0,0) 3 credits

This reading course will continue 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 017 (C+ or better), or entry assessment

ESAL 028 (formerly CESL 028)
Pre-Intermediate Writing Skills (4,0,0) 3 credits

This introductory composition course for second language students will focus 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 will be introduced.
Prerequisite: Satisfactory completion of ESAL 017 (C+ or better), or entry assessment

ESAL 032 (formerly CESL 032)
Intermediate Grammar 1 (4,0,0) 3 credits

Within the relevant academic contexts, a variety of difficult structures in English grammar will be examined and practiced both orally and in written work. Structures studied will include the tense aspect system; phrasal verbs; modal meanings, and the use of prepositions.
Prerequisite: Completion of ESAL 022 with a C+ or better, or placement from ESL intake test

ESAL 034 (formerly CESL 034)
Intermediate Grammar 2 (4,0,0) 3 credits

Within the relevant academic contexts, a variety of more difficult structures in English grammar will be examined and practiced for a better understanding of their uses. Structures studied will include articles, count and non-count nouns and expressions of quantity, subject-verb agreement, the passive voice, gerunds and infinitives, and conditional sentences.
Prerequisite: Completion of ESAL 022 with a C+ or better, or placement on the ESL intake test.

ESAL 035 (formerly CESL 035)
Intermediate Oral Communication (4,0,0) 3 credits

This course is designed to enable the student to refine conversational skills for the purpose of participating in academic discussions. ESAL 035 focuses on acquiring strategies for effective oral communication. Students will participate in group discussions, give oral presentations and practice their listening skills.
Prerequisite: Satisfactory completion of ESAL 023 and ESAL 025 (C+ or better), or entry assessment

ESAL 037 (formerly CESL 037)
Intermediate Reading and Study Skills (4,0,0) 3 credits

This is a reading skills course intended to prepare the ESL student for University materials. The focus will be on improving comprehension and reading rate, and on strengthening reading vocabulary. As well, study skills will be introduced and practiced.
Prerequisite: Satisfactory completion of ESAL 027 (C+ or better), or entry assessment

ESAL 038 (formerly CESL 038)
Intermediate Composition (4,0,0) 3 credits

This writing course will focus on academic paragraph writing. Various forms and purposes for paragraph writing will be analyzed and practiced. Sentence skills will be reviewed and essay writing will be introduced.
Prerequisite: Satisfactory completion of ESAL 028 (C+ or better), or entry assessment

ESAL 042
Advanced Grammar (4,0,0) 3 credits

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 will be on accuracy, this course will also include logical analysis of the components of a composition, and editing for improved clarity and effectiveness.
Prerequisite: Successful completion of ESAL 032 and ESAL 034 or placement from English Placement test

ESAL 045 (formerly CESL 045)
Advanced Oral Communication (4,0,0) 3 credits

The student will practice strategies for speaking clear and appropriate English in a variety of academic situations. Attention to fluency, pronunciation and intonation will also be emphasized.
Prerequisite: Satisfactory completion of ESAL 035 (C+ or better), or entry assessment

ESAL 047 (formerly CESL 047)
Advanced Reading and Study Skills (4,0,0) 3 credits

This course includes a wide range of fictional and nonfictional reading. Emphasis is on the analysis and evaluation of both 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 037 (C+ or better), or entry assessment

ESAL 048 (formerly CESL 048)
Advanced Writing Skills (4,0,0) 3 credits

A continuation of ESAL 038, 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 will focus on particular problems with their writing and practice editing.
Prerequisite: Satisfactory completion of ESAL 038 (C+ or better), or entry assessment

ESAL 057 (formerly CESL 057)
Academic Reading Skills (4,0,0) 3 credits

Intended for advanced ESL students, this course is designed to prepare for reading college level material effectively and efficiently. Specific approaches to reading will be taught for both factual and fictional writing. Emphasis will be on the short story. Students intending to take English 110 must achieve a C+ or better in ESAL 057.
Prerequisite: Satisfactory completion of ESAL 045 and ESAL 047 (C+ or better), or entry assessment.

Note: ESAL 045 may also be taken as a corequisite.

See International Student Section for TOEFL and IELTS prerequisite details.

ESAL 058 (formerly CESL 054)
Academic Writing (6,0,0) 4 credits

ESAL 058 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 will be important components of this course, as well. These skills enhance writing ability and also contribute generally to success in both education and employment. Students will be expected, therefore, to read, research, discuss, and work co-operatively, as part of the composition process.
Prerequisite: ESAL 042 and ESAL 048 (C+ or better), or entry assessment.

Corequisite: ESAL 042

ESAL 082 (formerly CESL 082)
Intermediate Listening (4,0,0) 3 credits

This course provides students with opportunities to practice listening skills in the performance of a variety of increasingly challenging tasks. Students will acquire strategies which will improve their abilities to comprehend the varieties of English which they encounter in both social and academic environment.
Prerequisite: Completion of Level 3 ESAL or of 3 Level 3 ESAL courses if combined Level 3 and 4 placement

ESAL 084 (formerly CESL 084)
Success in Canadian Academic Culture (4,0,0) 3 credits

This course is designed to provide students with an understanding of North American college/university settings. Students will become knowledgeable about resources to access and will develop the strategies and skills they need to succeed in their studies.
Prerequisite: Completion of Level 3 ESAL or of 3 ESAL Level 3 courses if combined Level 3 and 4 placement

ESAL 088 (formerly CESL 088)
Intermediate Pronunciation (4,0,0) 3 credits

For intermediate learners of English, ESAL 088 is designed to improve their ability to comprehend spoken English and their intelligibility when speaking English. It will help students develop auditory sensitivity and improve accuracy, fluency, and confidence in their oral production of English. Phonological features will be examined in isolation and in the context of meaningful passages.
Prerequisite: Completion of Level 3 ESAL or of 3 Level 3 ESAL courses if combined Level 3 and 4 placement

ESAL 092 (formerly CESL 092)
Advanced Listening Skills (4,0,0) 3 credits

This course builds on the listening skills previously learned. ESAL 092 focuses on the listening skills required to process an academic lecture. Students will identify the ideas and organization of lecture material, discussions and debate, using specific listening skills. They will use the information they hear for note taking and other related activities.
Prerequisite: ESAL 035 or equivalent.

ESAL 094 (formerly ESAL 094)
Preparation for the TOEFL (4,0,0) 3 credits

Designed for high-intermediate to advanced students, ESAL 094 will assist students to prepare for the TOEFL exam specifically, and test-taking in general. In this course, students will study the TOEFL format and develop strategies for answering commonly asked questions. Students will also be encouraged to draw upon the skills they are learning in other CESL courses.
Prerequisite: Completion of Level 3 ESAL or of 3 Level 3 ESAL courses if combined Level 3 and 4 placement

ESAL 096 (formerly CESL 096)
Vocabulary for Academic English (4,0,0) 3 credits

An elective designed for advanced ESL students, the course would be useful for any student for whom the vocabulary of academic English presents a challenge. ESAL 096 will introduce and reinforce strategies for becoming independent learners of vocabulary, and will also teach specific words useful in academic study. Vocabulary will be linked with general knowledge to provide context as well as to add interest. While passive vocabulary (word recognition) will be emphasized, the course will also facilitate active use of new vocabulary.
Prerequisite: Completion of Level 3 ESAL or of 3 Level 3 ESAL courses if combined Level 3 and 4 placement

ESAL 098 (formerly CESL 098)
Advanced Pronunciation (4,0,0) 3 credits

For high-intermediate to advanced learners of English, ESAL 098 is designed to improve their ability to comprehend spoken English and their intelligibility when speaking English. It will help students develop skills which will 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: Completion of Level 3 ESAL or of 3 Level 3 ESAL courses if combined Level 3 and 4 placement

ESAL 099 (formerly CESL 099)
Language through Active Participation in the Community (4,0,0) 3 credits

This course will focus on the language education through the ESL students' community involvement. In this course students' participation in the community will be actively supported and fostered by the instructor. The course will link academic study with community involvement through assignments that require the students engagement in a variety of activities.
Prerequisite: Completion of Level 3 ESAL or of 3 Level 3 ESAL courses if combined Level 3 and 4 placement

Environmental Sciences

ENVS 500
Environmental Sciences: Topics and Case Studies (3,3,0) 4 credits

Explores current thinking of the ecological, sociological and economical foundations of environmental science through case studies. The joint application of scientific and social contexts are used to better understand sustainable management of natural resources, with a strong spatial component at local, regional and global scales. Communication skills are developed to facilitate cross-disciplinary understanding. Course structure involves readings from the primary literature, group discussions, and independent and group review assignments that focus on current local, regional, and international environmental issues.
Prerequisite: Graduate student standing

ENVS 501
Research Methods, Preparation and Presentation (3,0,0) 3 credits

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 502
Advanced Topics in Ecology and Evolution (3,0,0) 3 credits

Reading, methodology and data analysis, critical evaluation, presentation and debate of cutting edge research in ecology and evolution with an emphasis on understanding the integrative approach to environmental science.
Prerequisite: Graduate student standing and permission of the instructor. In special circumstances undergraduate students with fourth year standing may be allowed to enrol.

ENVS 503
Advanced Topics in Physical Sciences (3,0,0) 3 credits

A course designed to allow students to undertake an investigation on a specific topic as agreed upon by the faculty member and the student. Permission of the supervisor required.
Prerequisite: Graduate student standing and permission of the instructor. In special circumstances undergraduate students with fourth year standing may be allowed to enrol.

ENVS 504
Advanced Topics in Policy and Management (3,0,0) 3 credits

Reading, methodology and data analysis, critical evaluation, presentation and debate of cutting edge research in policy and management with an emphasis on understanding the integrative approach to environmental science.
Prerequisite: Graduate student standing and permission of the instructor. In special circumstances undergraduate students with fourth year standing may be allowed to enrol.

ENVS 548
Directed Studies in Environmental Science (0,3,0) 3 credits

A course designed to allow students to undertake an investigation on a specific topic as agreed upon by the faculty member and the student. Permission of the supervisor required.
Prerequisite: Graduate student standing and permission of the instructor.

ENVS 599
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. It 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.

Film

FILM 112
Fundamentals of Camera Operation (4,0,0) 3 credits

In this course students will learn the basic operation of the camera as it is used in the studio and on location. There will be lectures, demonstrations, and screenings, in addition to practical work with the camera and editing equipment.

FILM 210
Introduction to Film Studies 1890 - 1938 (3,0,0) 3 credits

FILM 210 examines significant trends and events in film between 1890-1938 by exploring the following: film genres, film theory, national cinemas, Hollywood and cultural socialization, and film criticism.
Prerequisite: 2nd year standing

FILM 220
Introduction to Film Studies 1938 - Present (3,0,0) 3 credits

FILM 220 examines significant trends and events in film between 1930 and 2000 by exploring the following: Film genres, film theory, national cinemas, Hollywood and cultural socialization, and film criticism.
Prerequisite: 2nd year standing

FILM 325
Quebec Cinema in Translation (3,1,0) 3 credits

This course provides an introduction to issues and theories relevant to Quebec cinema and will focus on the representation of Quebec culture and society in major films from 1960 to the present. All films will be subtitled or dubbed in English. No prior knowledge of French is required.
Prerequisites: Two of ENGL 110, 111, or 121, or equivalent in addition to third-year standing. CNST 200 is recommended. No prior knowledge of French is required.

Note: Cross-listed with CNST 325 and FREN 325

FILM 385
Film Theory (3,0,0) 3 credits

FILM 385 explores the study of cinema by examining a number of theoretical approaches that have contributed to the understanding of film studies. Film theory, by its very nature, is polemic and this course will examine a variety of theoretical arguments, both historical and contemporary, that have been put forth by film scholars. Such theoretical frameworks include film spectatorship, ethnography, psychoanalytic analysis, ideology, feminism, film music and narrative, and postmodernism.
Prerequisite: FILM 210/220 or by instructor permission

FILM 405
Film Noir (3,0,0) 3 credits

FILM 405 examines the evolution of this often celebrated, but also contested body of films. The Film Noir canon has been defined by its highly visual style. Film historial Andrew Spicer (2002) comments: "Film Noir designates a cycle of films that share a similar iconography, visual style (and) night-time city, and streets damp with rain. the films are dominated thematically by existential and Freudian images of weak and hesitant males and predatory femmes fatales.
Prerequisite: 3rd year standing

FILM 410
The American Frontier in Film, Television, and Literature (3,0,0) 3 credits

FILM 410 examines the cinematic, television and literary West as a reflection of the realities and unrealities of the American Frontier.
Prerequisite: 3rd year standing

FILM 414
Films of the Cold War (3,0,0) 3 credits

This course examines selected films that have become symbolic of the fear and paranoia associated with the Cold War.
Prerequisite: 3rd and 4th year standing

First Nations English as a Second Language

FESL 050
First Nations English as a Second Language or Dialect (5,0,0) 3 credits

ABE – Advanced: This course is designed for First Nations students whose second language or dialect is English. FESL 050 aims to help students strengthen their English skills and provide support for work done in other classes.
Prerequisite: None

Note: This course is taught in Williams Lake

Forestry

All FRST and NRSC courses are open to non-program students. Students who do not have specific prerequisites for a course they wish to take, but believe they have equivalent knowledge, may seek permission to enrol from the course instructor.

For related course descriptions see the Natural Resource Science course descriptions (on page 278) in this calendar.

FRST 204
Forest and Environmental Climatology (3,0,2)(L) 3 credits

This is a Science Laboratory course designed for Forestry and Environmental Science students. It includes basic principles and processes of climatology; energy and plant water balance concepts; vertical and horizontal air movements; weather systems; microclimates; and the interrelationships among plants, soils, climates, and the biosphere.
Prerequisite: BIOL 111/121, Physics 11, GEOG 112 highly recommended

Note: Same as GEOG 204

FRST 221
Forestry Mensuration (3,0,2)(L) 3 credits

Forest inventory methods. Growth and yield prediction. Applications of multiple linear regressions and sampling techniques. Regeneration and residue surveys. Introduction to multiple resource inventories.
Prerequisite: FRST 211

FRST 263
Basic Forest Surveying (2,0,3)(L) 3 credits

An introduction to the basic techniques of surveying with emphasis on the problems encountered in a forest environment. This course will be offered as a two week course at the end of the winter semester.

FRST 305
Silviculture 1 (3,0,2) 3 credits

Silviculture is concerned with the art and science of controlling the establishment, growth, composition, health and quality of stands of trees in forests. The objective is to meet the diverse needs and values of landowners and society on a sustainable basis.

Silviculture 1 is the first of a two-part series in the study of silviculture concepts and principles. Silviculture 1 and 2 have been designed to parallel, but are not identical to, Forestry 305 and 306 as currently offered by the Faculty of Forestry at the University of British Columbia and each conforms to the ABCPF Silviculture Academic Standards. This course will be offered in a distance format.
Prerequisite: Dendrology, Forest Ecology, Forest Silvics, Forest Mensuration. Recommended: Forest Biometrics, Forest Economics, Forest Entomology, Forest Pathology, Forest Soils.

FRST 306
Silviculture 2 (3,0,2) 3 credits

Silviculture 2 deals with stand tending silviculture practices from free growing through to final harvest of a stand. These include thinning, fertilization, pruning, and silviculture systems and their relationship to timber quality, structural biodiversity, habitat and stand growth and yield and allowable cuts at the forest level. Decision making in crop planning, stand dynamics, operational problems and relevant history policy and regulatory issues and underlining science theory are also covered.
Prerequisite: FRST 112/122, FRST 210, FRST 220, FRST 211, NRSC 320, FRST 200

FRST 307
Forest Harvesting (3,0,2) 3 credits

The field of forest harvesting addresses the engineering, economic, and environmental factors associated with transportation and harvesting systems used in integrated forest resource management. These include forest road design and location, geotechnical engineering, forest road drainage; planning, locating and scheduling the harvest; and an international perspective on logging systems and their application to meet silvicultural objectives. Forest harvesting is a specialized field within forestry, and professional competence within this field (especially road location and design) requires significant course work and an extended field internship, in addition to the minimum standards identified here for the "general" forester. This course will be offered in a distance format.
Prerequisite: Undergraduate Degree or Diploma from a recognized technical college or university, majoring in forestry or natural resource science.

French

Please note: The ultimate decision on placement is under the authority of the Modern Languages Coordinator.

Failure to complete all components of the course may result in failure.

FREN 100
Introductory French 1 (4,0,0) 3 credits

The focus of this beginner's 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. This course makes extensive use of multimedia and computer programmes to facilitate and enhance learning.

This course is not open to students with recent French 11. If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no French in the last two years or more).
Prerequisite: None

FREN 101
Introductory French 2 (4,0,0) 3 credits

A continuation of FREN 100.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no French in the last two years or more).
Prerequisite: FREN 100 or equivalent (recent French 11 with less than 67%)

FREN 110
Intermediate French 1 (4,0,0) 3 credits

This course further develops communicative skills in speaking, listening, reading and writing and deals with language from a variety of different areas, registers and periods. This course makes extensive use of multimedia and computer programmes to facilitate and enhance learning.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no French in the last two years or more).
Prerequisite: FREN 101 or equivalent (recent French 11 with more than 68%)

FREN 111
1st Year University French 1 (4,0,0)
For Students with French 12 or FREN 120 - 3 credits

This course is designed to review and consolidate the student's knowledge of all the basic elements of French grammar, to develop a facility with the spoken language and to introduce him/her to aspects of 20th-century French and French-Canadian literature. Class discussion plays a major role in this course. (Serves as a prerequisite for second-year French courses.)
Prerequisite: French 12, FREN 110/120 or equivalent.

FREN 120
Intermediate French 2 (4,0,0) 3 credits

A continuation of FREN 110.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no French in the last two years or more).
Prerequisite: FREN 110 or equivalent (recent French 12 with less than 67%)

FREN 121
1st Year University French 2 (4,0,0)
For Students with French 12 or FREN 120 - 3 credits

This course is a continuation of FREN 111.
Prerequisite: FREN 111 or equivalent.

FREN 205
Oral French Practice 1 (4,0,0) 3 credits

This course is designed to enhance communication skills. Grammar will be reviewed but only in a comprehension/oral expression context. Expansion of the vocabulary will also be emphasized. All activities are aimed at enabling the student to progress to a superior level of fluency.
Prerequisite: FREN 111/121

FREN 206
Oral French Practice 2 (4,0,0) 3 credits

This course is a continuation of FREN 205.
Prerequisite: FREN 205

FREN 211
Studies in French Language and Composition 1 (4,0,0) 3 credits

Composition and oral practice based on literary passages and contemporary readings. Conducted in French. Open to students who have immersion French 12 with more than 68%.

(Prerequisite for all upper-division university courses.)
Prerequisite: FREN 111/121 or equivalent

FREN 212
French Literature 1 (4,0,0) 3 credits

Significant authors and works from the Moyen Age through the 19th Century and early 20th. Class discussion plays a major role in this course. (Prerequisite for all students intending to proceed to a Majors or Honours programme.) Conducted in French. Open to students who have immersion French 12 with more than 68%.
Prerequisite: FREN 111/121 or equivalent

FREN 221
Studies in French Language and Composition 2 (4,0,0) 3 credits

This course is a continuation of FREN 211.

(Prerequisite for all upper-division university courses.)
Prerequisite: FREN 211 or equivalent

FREN 222
French Literature 2 (4,0,0) 3 credits

This course is a continuation of FREN 212.
Prerequisite: FREN 212 or equivalent

FREN 325
Quebec Cinema in Translation (3,1,0) 3 credits

This course provides an introduction to issues and theories relevant to Quebec cinema and will focus on the representation of Quebec culture and society in major films from 1960 to the present. All films will be subtitled or dubbed in English. No prior knowledge of French is required.
Prerequisite: Two of ENGL 110, 111, or 121, or equivalent in addition to third-year standing. CNST 200 is recommended. No prior knowledge of French is required.

Note: Cross-listed with CNST 325 and FILM 325

FREN 326
Quebec Literature in Translation (3,0,0), 3 credits

This course provides an overview of issues and theories relevant to Quebec fiction, by focusing 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 will be read in translation. No prior knowledge of French is required.
Prerequisite: Two of ENGL 110, 111, or 121, or equivalent in addition to third-year standing. CNST 200 is recommended. No prior knowledge of French is required.

Note: Cross-listed with CNST 326 and ENGL 326

FREN 352
Studies in French Language and Style (3,0,0)(3,0,0) 6 credits

Composition, syntax, versification, advanced translation and oral practice.
Prerequisite: FREN 211/221.

FREN 415
Selected Topics in French and Francophone Literature (3,0,0) 3 credits

This course covers selected topics in French and Francophone literature. Course content will vary from year to year and can be offered as directed studies. Delivered in French, this course may be taken up to four times, with different course titles, for a total of 12 credits.
Prerequisite: FREN 222 or equivalent

FREN 416

French-Canadian Literature (3,0,0)(3,0,0) 6 credits

Characteristic works, from its origins to the present. (Can be offered as a directed studies course. Students must have high language skills, and must have the instructor's written permission.)
Prerequisite: FREN 222

FREN 452

Advanced Studies and Practice in French Language and Style (3,0,0)(3,0,0) 6 credits

This course is a continuation of French 352 as well as a new step forward. The language is studied at a more advanced level, from both a descriptive and a practical point of view, with particular attention given to the relationship between grammatical structures and stylistic effects. Topics include: sentence structures and their variants, stylistic aspects of vocabulary, patterns of emphasis, levels of language from literary tones to colloquial speech. A good deal of attention is also given to the practice and techniques of advanced translation from English to French.
Prerequisite: FREN 352

Geography

Students requiring six credits of laboratory science should take both GEOG 112 and 122.

GEOG 112

Earth's Lands and Waters (Geomorphology)(3,0,2)(L) 3 credits

A Science Laboratory course dealing systematically with the origin and evolution of the earth's waters and topographic features. Water and landforms will be examined via maps, photographs and field observations.
Prerequisite: None

GEOG 119

Introduction to Human Geography: Geographical Change in the Modernizing World (3,0,0) 3 credits

An introduction to human geography, including cultural, historical, economic, political, urban, social and regional geography. Basic geographic concepts and cartographic methods are introduced. 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.
Prerequisite: None

GEOG 120

Introduction to Human Geography: Themes in Geographical Change (3,0,0) 3 credits

A series of themes are reviewed to better understand geographical change in the modernizing world. These may include ethnicity, indigenous peoples, patterns of development, urbanization, environmental issues, evolving cultural landscapes, and the influence of multinational corporations. Case studies will be used from different regions of the world, and the research methodologies of human geography will be introduced.
Prerequisite: None

GEOG 122

Climatology and Biogeography (3,0,2)(L) 3 credits

A science laboratory course providing an introduction to basic principles and processes of climatology including global climatic patterns, heat energy and plant water balance relationships, vertical and horizontal air movements, weather systems, and weather mapping. Extensive field observations provide an understanding for local climatic conditions. Biogeography includes plant and animal distributions as related to physical and human phenomena.
Prerequisite: None

GEOG 204

Forest and Environmental Climatology (3,0,2) (L) 3 credits

A science laboratory course designed for Forestry and Environmental Science students. Includes basic principles and processes of climatology; energy and plant water balance concepts; vertical and horizontal air movements; weather systems; microclimates, and the interrelationships among plants, soils, climates, and the biosphere.
Prerequisites: Completion of first year Forestry program or permission of the instructor.

Note: This course is cross-listed with FRST 204.

GEOG 205

Introduction to Hydrology (3,0,2)(L) 3 credits

This physical geography course introduces the student to hydrologic systems and processes with an emphasis on the global hydrologic cycle, hydrologic processes in river basins, as well as measurement techniques and elementary hydrologic modelling. The course also examines the potential impact that land use (e.g. irrigation and urbanization), climate change and politics may have on water resources.
Prerequisite: GEOG 122 and one of GEOG 112 or GEOL 111

GEOG 210

Human Interaction with the Natural Environment (2,1,0) 3 credits

An introduction to the environment, emphasizing a geographical approach. Topics of study include environmental worldviews, history of the environment movement, ecosystems, energy principles, human population dynamics, patterns of resource use, environmental issues and environmental ethics.
Prerequisite: None

GEOG 211

Economic Geography (2,1,0) 3 credits

A geographic view of economic activity. Economic interrelationships, the character of various economic regions and general spatial organization will be examined on a local, regional and global scale.
Prerequisite: None

GEOG 212

Geography in an Urban World (2,1,0) 3 credits

An introduction to the themes and problems encountered in the field of Urban Geography, recognizing the increasing interdisciplinary nature of studies. The course will study urbanization as an historic and rapidly continuing process; the growth of functional regions and patterns of urban settlement; the dynamics of urban structure and land use; critical problems that face cities of both the developed and developing countries.
Prerequisite: None

GEOG 222

The Regional Geography of Canada (2,1,0) 3 credits

An examination of the physical environment and cultural setting of Canada, with particular emphasis placed upon human use of the land as determined by its physical nature, will be the basis for study of the regional geography of Canada. Emphasis is placed on our study of Canada east of the Rocky Mountains since GEOG 223 deals exclusively with British Columbia.
Prerequisite: None

GEOG 223

The Regional Geography of British Columbia and Yukon (2,1,0) 3 credits

An introduction to the physical and human geography of British Columbia; an examination of settlement, resource development and transportation in the Western Cordillera; to include topics involving the changing perception of rural British Columbia's landscape and environment.
Prerequisite: None

GEOG 270

Introduction to Geographical Analysis (3,0,2) 3 credits

Introduction to geographic data and its collection, interpretation, presentation, and documentation.
Prerequisite: GEOG 112 and one of GEOG 119 or 120. GEOG 122 is also recommended.

GEOG 275

Geographic Information Systems (2,3,3)(L) 4 credits

Introduction to basic concepts and applications of geographic information systems. Spatial analysis systems; applications of G.I.S. technology, using micro and mini computers, to natural resource systems.
Prerequisite: PC computer skills.

Note: Same as NRSC 223

GEOG 305
Physical Hydrology (3,0,2)(L) 3 credits

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 will be 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 205. Recommended preparation: GEOG 204, GEOG 270 and one of Principles of Math 12 / Applications of Math 12 / MATH 051 / MATH 060 or equivalent. An introductory course in statistics is also recommended.

GEOG 307
Biogeography (2,1,0) 3 credits

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 will be 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 covered include mass extinctions, biodiversity, and the possible biogeographic consequences of anthropogenically induced global climatic change.
Prerequisite: None - recommend at least one of GEOG 112, GEOG 122 or BIOL 121

GEOG 310
Environment and Resources (2,1,0) 3 credits

Concepts of environment and resource; the role of physical geography in understanding the interaction of humans and the environment; introduction to the management of environment-resource systems.
Prerequisite: GEOG 112/122 and GEOG 210

GEOG 319
Geomorphology (3,0,2)(L) 3 credits

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 112 or GEOL 111

Note: Same as GEOL 319

GEOG 320
Introduction to Cultural Geography (2,1,0) 3 credits

This course is an introduction to 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: GEOG 119/120 or written permission of instructor

GEOG 321
Historical Geography of Urbanization (2,1,0) 3 credits

Geographic perspectives on the growth of urban regions; pre-industrial cities, urban growth during industrialization, anti-urban reaction.
Prerequisite: GEOG 119 or GEOG 211.

GEOG 322
Field Course in Human Geography (0,3,0) 3 credits

As announced by the Department a year in advance.
Prerequisite: The relevant core course or courses (i.e. GEOG 390A or GEOG 390B)

GEOG 323
Geographies of Gender (2,1,0) 3 credits

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 119/120 or written permission of instructor.

GEOG 327
Historical Geography of Canada 1: Canada Before 1850 (2,1,0) 3 credits

Canada from the beginning of European contact to the mid 19th century, stressing the changing geographical patterns of settlement, economy, and culture.
Prerequisite: None

GEOG 328
Historical Geography of Canada 2: Canada After 1850 (2,1,0) 3 credits

The spread of settlement, the growth of towns, and the development of economic and cultural regions in a Canada increasingly influenced by industrialization.
Prerequisite: None

GEOG 350
Introduction to Urban Geography (2,1,0) 3 credits

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: GEOG 119/120 or 211 or written permission of instructor

GEOG 357
Introduction to Social and Behavioural Geography (2,1,0) 3 credits

The development of social and behavioural geography; focus on such topics as environmental perception and microgeography, approached from institutional and interactionist perspectives.
Prerequisite: GEOG 119/120 or written permission of instructor.

GEOG 361
Introduction to Economic Geography (3,1,0) 3 credits

History and methods of economic geography. Location of resource industries, manufacturing, and service activities with emphasis on British Columbia in its North American world setting. Recommended for students with no previous exposure to Economic Geography, before taking other courses in the 36X and 46X series.
Prerequisite: GEOG 120

GEOG 363
The Geography of Resource Industries (2,1,0) 3 credits

Geographical analysis of selected resource industries of importance to Canada. Each year a selection will be made from the agriculture, forestry, fishing, mining, energy, and recreation sectors which will be dealt with international and national contexts.
Prerequisite: GEOG 119/120 or GEOG 211 or written permission of instructor

GEOG 370
Field Course in Geography (0,3,0) 3 credits

As announced by the Department a year in advance.
Prerequisite: the relevant core course or courses, or permission of the instructor. GEOG 270 recommended.

GEOG 390
Geography of Selected Regions (2,1,0) 3 credits

A geographical analysis of selected regions not regularly included in the Department's offerings in regional geography (e.g., Western Europe; Oceania; East Asia).
Prerequisite: None

GEOG 399
Special Topics in Geography - 3 credits

This is a special topics course in geography. The subject matter will vary from semester to semester depending upon the interest of faculty and students. Vectoring will be determined as per policy ED(24)8-0.
Prerequisite: 3rd year standing

GEOG 405
Fluvial Geomorphology (3,0,2)(L) 3 credits

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 will be drawn from the Kamloops area, as well as from other regions in British Columbia, Canada and the world.
Prerequisite: GEOG 205 or GEOG 319 or permission of the instructor. Recommend one of Principles of Math 12/Applications of Math 12/MATH 051/MATH 061 or equivalent

GEOG 423
Attitudes Toward the Environment (SS) (2,1,0) 3 credits

An examination of attitudes that have influenced land use and environmental change in the past and present.
Prerequisite: GEOG 310 or written permission of instructor

GEOG 424
Geography of Tourism (2,1,0 or 3,0,0) 3 credits

Examination of tourism as a global and local phenomenon; historical changes in leisure and development of tourism in western, industrializing economies; the place of tourism in the Canadian economy, past and present; current relationships between tourism and cultural values and economic systems.
Prerequisite: GEOG 320 or GEOG 357 or GEOG 361 or enrolment in the Bachelor of Tourism Management program.

GEOG 448
Directed Studies in Geography - 3 credits

A course designed to allow fourth year students to undertake an investigation on a specific topic as agreed upon by the faculty member and the student.
Prerequisite: Permission of the supervising faculty member and the Chair of the department are required.

GEOG 450
Urban Analysis (2,1,0) 3 credits

Geographical analysis of selected problems of the internal structure of cities and urban systems.
Prerequisite: GEOG 350 or permission of the instructor.

GEOG 480
Environmental Issues and Policies (2,1,0 or 3,0,0) 3 credits

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 310 or permission of the instructor.

GEOG 481
Geography of Small Cities (2,1,0) 3 credits

This course examines the economic, social, cultural, and environmental qualities of small cities and the issues and forces that affect them. Case studies will be drawn from the local scene and from across North America.
Prerequisite: Six credits in 300 level geography or written permission of the instructor.

GEOG 484
Postcolonial Geographies (2,1,) 3 credits

An analysis of the role of geographical ideas and practices in the establishment, maintenance, overthrow and persistence of colonial relationships.
Prerequisite: GEOG 320 or permission from the instructor

GEOG 499
Special Topics in Geography - 3 credits

This is a special topics course in geography. The subject matter will vary from semester to semester depending upon the interest of the faculty and students. Vectoring will be determined as per policy ED(24)8-0.
Prerequisite: 3rd year standing

Geology

Note: Not all courses are offered every year.

Two courses, - GEOL 111 and GEOL 205 - are available at the introductory level. GEOL 111 sections are offered in both the fall and winter semesters while GEOL 205 is only offered in the winter. Students requiring six credits of laboratory science should take GEOL 111 in the fall as a prerequisite to GEOL 205 in the winter. Students requiring only three credits of laboratory science can take GEOL 111 in either semester.

Note: Students with a background in geology or earth science can request the instructor's written permission to take courses for which they do not have the specified prerequisites.

GEOL 111
Introduction to Physical Geology (3,0,2)(L) 3 credits

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.
Prerequisite: none

GEOL 205
Geological Time (3,0,2)(L) 3 credits

This course is the natural continuation of GEOL 111. Although it has 2nd year designation, it is prerequisite to all other 2nd year courses, and as such should be taken during FIRST YEAR. A Science Laboratory course involving a study of the geological history of the Earth. Concepts covered include Measurement of Geologic Time, Stratigraphic Principles, Radiometric Decay, and Elementary Palaeontology. In the laboratory the student is introduced to methods in geological mapping and fossil identification.
Prerequisite: GEOL 111

GEOL 215
Introductory Petrology (2,0,3)(L) 3 credits

Examination of the origin, composition, occurrence and structure of all three rock groups: igneous, sedimentary, and metamorphic. In the laboratory the student will be introduced to Petrography - determinations using the petrographic microscope in addition to hand sample identification.
Prerequisite: GEOL 210

GEOL 210
Mineralogy 1 (2,0,3)(L) 3 credits

Introduction to crystallography, physical and chemical properties of minerals. The recognition of common minerals forms the bulk of laboratory study. Field trips supplement the lecture and laboratory material.
Prerequisite: GEOL 111/205

GEOL 229
Stratigraphy and Sedimentary Geology (3,0,2)(L) 3 credits

Physical and biological stratigraphy, facies and correlation, sequence concepts and basin analysis. Origin, diagenisis and gechemistry of sediments and sedimentary rock.
Prerequisite: GEOL 111/205

GEOL 301
Principles of Palaeontology (2,0,2)(L) 3 credits

A systematic study of ancient forms of life (fossils). Attention will also be given to Palaeoecology, Evolutionary Principles, and Palaeontologic Techniques.
Prerequisite: GEOL 205

GEOL 303
Environmental Geochemistry (3,0,0) 3 credits

This course will examine the complex relationship between environmental factors and the geochemical history of surface and subsurface rocks. This course is the same as CHEM 303.
Prerequisite: GEOL 111 and CHEM 225 (C minimum)

Note: Credit will not be given for both GEOL 303 and CHEM 303

GEOL 307
Structural Geology (2,0,3) 3 credits

Analysis and interpretation of natural deformation. The fault, fold and ductile flow systems accompanying deformation of the earth's crust. Extensional, contractional and toroidal deformation. Geometric, kinematic and mechanical analysis of deformational structures of different scales. Techniques and assumptions used in the construction of structural cross sections.
Prerequisite or Corequisite: GEOL 229 and GEOL 319

GEOL 319
Geomorphology (3,0,2)(L) 3 credits

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 laboratory sessions.
Prerequisite: GEOL 111

Note: Same as GEOG 319

GEOL 328
Field Techniques (2,0,2*)(L) 3 credits

Introduction to techniques of geological field mapping. Methods in basic structural geology, core analysis, traversing, sampling procedures and survival first aid for the field will be covered.

The labs entail field exercises in traversing and mapping.
Prerequisite: GEOL 111/205

GEOL 425
Geological History of North America (3,0,0) 3 credits

An overview of the geological history of North America with emphasis on Plate Tectonics; PreCambrian Orogens, Phanerozoic Orogenic Belts, especially the Cordillera; Interrelations of Sedmentation, Deformation and Metamorphism.
Prerequisite or Corequisite: GEOL 319 and GEOL 229

GEOL 448
Directed Studies in Geology 3 credits

A course 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 faculty member (supervisor) is required and acceptance of the topic by a co-supervisor with the appropriate expertise. The co-supervisor may be either from on- or off-campus.

*** Denotes alternate weeks**

German

Please note: The ultimate decision on placement is under the authority of the Modern Languages Coordinator.

Failure to complete all components of the course may result in failure.

GERM 111
Introductory German 1 (4,0,0) 3 credits

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 German-speaking world. This course makes extensive use of multimedia and computer programs to facilitate and enhance learning.

This course is not open to students with recent German 11. If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no German in the last two years).
Prerequisite: None

GERM 121
Introductory German 2 (4,0,0) 3 credits

A continuation of GERM 111.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no German in the last two years or more).
Prerequisite: GERM 111 or equivalent

GERM 211
Intermediate German 1 (4,0,0) 3 credits

This is a video-based course for German language and culture; it integrates mini-dramas and authentic historical and cultural footage to provide students with an in-depth view of German language, culture, and history.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no German in the last two years).
Prerequisite: GERM 121 or equivalent

GERM 221
Intermediate German 2 (4,0,0) 3 credits

A continuation of GERM 211.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no German in the last two years).
Prerequisite: GERM 211 or equivalent

GERM 312
Studies in German Culture (3,0,0) 3 credits

Perspectives on Fascism: Post-War German Cinema

This third-year cultural studies course, offered in English, views the Nazi era through the lenses of post-war German film.
Prerequisite: Minimum second-year standing

Note: This course does not require knowledge of the German language. The course is cross-listed with Political Studies.

Graduate Business

GBUS 500
Financial Reporting and Analysis (3,0,0) 3 credits

This accounting course focuses on financial information from the user's perspective. The format of complex financial statements and the impact of alternative accounting policies on their usefulness as a measure of corporate performance are examined. Financial statement analysis tools such as ratios are used extensively to measure and evaluate the liquidity, efficiency, solvency, profitability, and market performance of corporations.

GBUS 501
Applied Statistics (4,0,0) 3 credits

This course provides students with a foundation in statistical methods with an emphasis on multi-regression analysis and its applications. The course begins with a review of descriptive statistics, hypothesis testing and confidence intervals, and then focuses on multiple regression including model formulation and assumptions, residual analysis, diagnostics, transformation, model selection, collinearity and inference. Emphasis will be on applying these tools in managerial settings.
Prerequisite: Admission to the MBA program

GBUS 502
Management Communications (3,0,0) 3 credits

GBUS 502 offers students in the MBA program the opportunity for advanced study of communication theories and strategies, with special attention on business communication practices in an international and multicultural marketplace. This course will rely heavily on case studies, guest speakers, experiential exercises and teamwork. In addition to practical writing and speaking assignments, students in this course will demonstrate their communication skills via a collaborative presentation in a public setting
Prerequisite: Admission to the MBA program

GBUS 503
Financial Planning and Control Systems (3,0,0) 3 credits

This course looks at how accounting information can be used as a financial planning and control tool in an organization. Topics include: break-even analysis; traditional costing system; activity-based costing; budgeting systems including activity-based and zero based budgeting; variance analysis; responsibility accounting; performance evaluation including EVA; transfer pricing; decision making; and strategic cost management.
Prerequisite: GBUS 500, GBUS 501

GBUS 504
Organizational Behaviour and Design (3,0,0) 3 credits

This course will provide students with the concepts and theories or organizational behaviour and design. Major topics include job attitudes, motivation, conflict, leadership, structure, power, culture and decision making. It will also provide opportunity for the theories and concepts to be applied to facilitate organizational effectiveness.

GBUS 505
Global Economics (3,0,0) 3 credits

This course will address micro and macroeconomic principles as they apply to the world economy and will emphasize the challenges that the process of globalization poses to national economics. First, measurement of GDP, the business cycle, and indicators of economic performance such as the CPI, confidence indexes, and capacity utilization will be studied. Second, the main theories of international trade and their relevance to explaining current global trade patterns will be examined. Finally, the course will review the foreign exchange market and the process of exchange rate determination.
Prerequisite: Admission to the MBA program

GBUS 510
Marketing Management (3,0,0) 3 credits

This course covers basic concepts in marketing, including marketing orientation, relationship marketing, the marketing research process, consumer versus industrial marketing, uncontrollable versus controllable variables, market segmentation, and development of a marketing plan. The course also introduces marketing in special contexts such as not-for-profit, international, services, and environmental issues.

GBUS 511
Corporate Finance (3,0,0) 3 credits

This course provides students with the knowledge and skills required to effectively manage a firm's assets and to fund them in an optimal manner. Topics include: financial statement analysis, the risk-return relationship and the mathematics of finance, securities valuation, the cost of capital, capital budgeting, capital structure, dividend policy, sources of financing, and working capital management.
Prerequisite: GBUS 501, GBUS 503

GBUS 512
International Business (3,0,0) 3 credits

This course is a broad introductory survey of the field of international business. The course focuses upon: the theory of multinational enterprises and foreign direct investment; international business operations, including global strategic management; international modes of entry; organizational structure and control issues; and the functions of business from an international perspective.

GBUS 513
Operations Management (3,0,0) 3 credits

This course will investigate internal processes such as product design, manufacturing, delivery of services, and quality control and external processes such as purchasing, inventory control and logistics, and customer relations management. It also includes the processes that cross boundaries between organizations, such as Supply Chain Management (SCM) and Total Quality Management (TQM).
Prerequisite: GBUS 501, GBUS 503

GBUS 514
Human Resource Management (3,0,0) 3 credits

This course is designed to provide students with an understanding of the human resource management (HRM) function within organizations. It includes an appreciation of the roles of both HRM professionals and line managers in designing and implementing effective HRM policies and practices. Major topics to be covered include legislation, HR planning, recruitment, selection, training, managing performance, compensation, occupational health and safety, and labour relations.
Prerequisite: GBUS 504

GBUS 515
Leadership and Ethics (3,0,0) 3 credits

The purpose of this course is to increase the student's understanding of the major theories and findings regarding effective leadership, and to enhance the student's leadership skills in such areas as motivating and influencing people, leading decision groups, participative leadership and delegation, problem solving, managing conflict, team building and managing change. Management ethics and the social responsibilities of business will also be studied.
Prerequisite: GBUS 504

GBUS 520
Strategic Management (3,0,0) 3 credits

This course focuses attention on the role of the senior management function in developing and implementing corporate strategy. Participants examine the concepts of underpinning the formulation, implementation, and evaluation of cross-functional decisions that directly affect the ability of an organization to achieve its stated objectives. They also analyze the firm's external and internal environment to identify and create competitive advantage in a global context.
Prerequisite: Completion of Foundation and Core

GBUS 521
Business Research and Consulting Methods (3,0,0) 6 credits

This course examines the process of business research and design and methodology. Lectures will focus around the design, methodology, conduct, and evaluation of applied business research projects with particular emphasis on the tools used by professional consultants such as project management, business plans, surveys, and focus groups.
Prerequisite: Completion of Foundation and Core

GBUS 522
Applied Management Project (3,0,0) 3 credits

This is a capstone project course that provides students with the opportunity to apply the knowledge acquired in the program and to reinforce the specific business research and consulting skills developed in GBUS 521. Students will select a research/consulting project and define the parameters of their investigation in consultation with the faculty advisor, who will serve as their mentor throughout the process.
Prerequisite: GBUS 521

GBUS 530
Strategic Management Information Systems (3,0,0) 3 credits

This course examines the ability of information technology to enhance the quality and efficiency of decision making by improving the various elements of the decision-making process and making data collection more cost effective. The course also addresses what every manager needs to know in order to leverage information systems for the design and implementation of business models in an organization.
Prerequisite: GBUS 503

GBUS 540
Advanced Corporate Finance (3,0,0) 3 credits

This course further enhances students' knowledge and skills in the area of business finance. Topics include: complex sources of financing such as convertibles, income trusts, venture capital, mezzanine financing, project financing, and IPOs; business valuations; corporate restructuring including mergers and acquisitions, diverstitures and spin-offs, and bankruptcy; corporate governance and executive compensation; international financial management; and risk management.
Prerequisite: GBUS 511

GBUS 560
Advanced Marketing Management (3,0,0) 3 credits

The course strives to enhance the students' knowledge and skills in the area of marketing management so they can develop, implement, and maintain successful marketing strategies. This is done primarily through case work designed to explore issues relating to analyzing marketing problems and opportunities, developing effective financial analysis for marketing decisions, market opportunity analysis, and social and ethical issues with regards to the marketing mix. Marketing topics covered include: marketing research, consumer behaviour, organizational buying, market segmentation, and services marketing.
Prerequisite: GBUS 510

GBUS 570
Global Management (3,0,0) 3 credits

This course expands on the material covered in GBUS 512 - International Business. Topics include: international business strategy and barriers to entry; identifying foreign target markets; methods of market entry including import/export, subsidiaries, joint ventures, and technology partnering; managing foreign operations; exit strategies; international trade finance and logistics; and cross cultural issues in management.
Prerequisite: GBUS 510, GBUS 512

Health

HEAL 333
Death and Dying, Life and Living (3,0,0) 3 credits

This course is 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; assisted suicide and euthanasia.
Prerequisite: Entry into 2nd year Nursing Program and open to students in other programs at the discretion of the instructor

Health Science

HLSC 100
Introduction to Gerontology - Theory (3,0,0) 3 credits

Introduction to Gerontology is a distance delivery course intended to individuals who are/will be working with elders in a variety of settings and who wish to increase their understanding of older persons and the experience of health in later life. Students will have the opportunity to examine key gerontological concepts and to develop knowledge and skills that will be of value in their practice with elders.
Prerequisite: Home Support/Resident Care Attendant Certificate, Human Services Certificate, or Licensed Practical Nursing Certificate

HLSC 101
Introduction to Gerontology - Clinical (0,0,12P) 3 credits

Introduction to Gerontology, Clinical is a distance delivery course intended to individuals who are/will be working with elders in a variety of settings and who wish to enhance their knowledge and develop their practice in relation to health and human service work with older persons. This preceptored clinical course provides opportunities for students to integrate, consolidate and refine previous knowledge and experience and to nurture an appreciation of gerontology as a specialty area of health and human service worker practice.
Prerequisite: HLSC 100

HLSC 159
Anatomy and Physiology 1 (3,0,0) 3 credits

HLSC 159 is the first of two comprehensive courses covering the anatomy and physiology of all the human body systems with an emphasis on the relationship between a body organ's structure and its function. HLSC 159 is designed for students who have little formal knowledge of the human body but wish to train for a career in the health-related professions.

HLSC 169
Anatomy and Physiology 2 (3,0,0) 3 credits

HLSC 169 is the second of two comprehensive courses covering the anatomy and physiology of all the human body systems with an emphasis on the relationship between a body organ's structure and its function. HLSC 169 is designed for students who have little formal knowledge of the human body but wish to train for a career in the health-related professions.
Prerequisite: HLSC 159 or equivalent

HLSC 259
Health Science 3 (4,0,0) 3 credits

An introduction to the study of human pathobiology, immunology and microbiology. Topics covered will be coordinated with the clinical experience.
Prerequisite: Admission to the BSN program, BIOL 159/169

Corequisite: NURS 218 and 219

HLSC 269
Health Science 4 (4,0,0) 3 credits

A continuation and completion of HLSC 259, including immunology and microbiology. Topics covered will be closely coordinated with the clinical experience.
Prerequisite: Admission to the BSN program, HLSC 259

Corequisite: NURS 228 and 229

HLSC 302
Data Analysis in Health and Human Service Professions (3,0,1) 3 credits

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 will apply a range of analytical techniques to both quantitative and qualitative data. This course will enhance the learner's ability to analyze data and critically review research literature applicable to their professional practice.
Prerequisite: NURS 360

HLSC 303
Pharmacology: Knowledge for Nursing Practice (3,0,0) 3 credits

This health science course for nurses covers the study of conventional pharmacology, pharmacognosy (complimentary herbal medicine and neutriceuticals), and related social, ethical, and political issues. There will be a strong emphasis on theory integration and clinical application of course concepts as this knowledge relates to client situation and the clinical practice setting common to nurses. Course concepts will be explored from a variety of world views (natural science, phenomenology, and critical social perspective).
Prerequisite: HLSC 269 or RN Diploma/Degree or permission of Chairperson

HLSC 359
Healing/Health Science: Advanced Health Challenges (3,0,0) 3 credits

This course provides opportunities for students to build on their nursing knowledge and understanding of health and natural sciences in relation to complex episodic and chronic health challenges. This advanced course will focus on current topics and emerging knowledge related to a variety of health care contexts. This course will build on the material presented in HLSC 259/269 in relation to the pathogenesis of disease and the impact of disease on homeostasis.
Prerequisite: HLSC 269 or an RN Diploma

HLSC 369
Human Sexuality for Health Professionals (3,0,0) 3 credits

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 will be 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 counseling course or evidence of a health-related professional credential requiring a minimum of two years academic preparation, or by permission of the instructor.

History

HIST 103
An Introduction to Ancient Greece and Rome (HUM/SS) (2,1,0) 3 credits

This course surveys the history of the Mediterranean world from classical Greece and Rome to the legalization of Christianity in the Roman Empire in the fourth century. Emphasis is placed on the rise and decline of Hellenic civilization, early Rome and the Republic, the Augustan Age and foundations of imperial Rome, and the transition from pagan to Christian civilization.
Prerequisite: None

HIST 112
An Introduction to Canadian History (HUM/SS) (2,1,0) 3 credits

This course deals with the evolution of Canada to 1867. Emphasis is placed on historiography, the history of New France, the regional life and social organization of pre-confederation Canada, the impact of frontierism, metropolitanism, and continentalism, and the rise of a national spirit.
Prerequisite: None

HIST 116
History of Europe 1500-1789 (HUM/SS) (2,1,0) 3 credits

After providing a brief background to medieval institutions, this course will detail the development of modern Europe from 1500-1789. The Renaissance, the Reformation, Absolutism, Enlightenment and the outbreak of the French Revolution will be covered. The lectures and seminars will focus on the political, intellectual, cultural and social aspects of European society.
Prerequisite: None

HIST 122
History of Canada, 1867 to the Present (HUM/SS) (2,1,0) 3 credits

An intensive examination of the problems of nation making. This course examines the following topics: the policies which were envisaged in the Confederation project and the degree of success with which they were implemented, the relations of French-speaking and English-speaking Canadians, the problems presented by regionalism and provincialism, the relations of Canada with Britain and the United States, the impact of industrialization and urbanization, and Canada's position as a member of the world community of nations.
Prerequisite: None

HIST 126
Europe: 1789-1939 (HUM/SS) (2,1,0) 3 credits

This course will examine the history of the French Revolution, the Congress of Vienna, the reactionary forces and the development of the modern state in the nineteenth and early twentieth century. The lectures and seminars will focus on the political, intellectual, cultural and social aspects of European society.
Prerequisite: None

HIST 202
Native History of Canada (HUM/SS) (2,1,0) 3 credits

The native people of Canada from contact to the present. Topics include native involvement in the fur trade and later economic developments, the emergence of the Metis, the treaty-making process and the evolution of government policies for native peoples.
Prerequisite: None

Note: Students who have taken HIST 302 (Native History of Canada) may not take this course.

HIST 216
History of England: Roman Britain to the Glorious Revolution, 1688 (HUM/SS) (2,1,0) 3 credits

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.
Prerequisite: None

HIST 217
Major Issues in American History from the Colonial Period to the Civil War (HUM/SS) (2,1,0) 3 credits

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
Prerequisite: None

HIST 218
Medieval Europe 325 - 1198: From the Fall of Rome to the Crusades (HUM/SS) (2,1,0) 3 credits

A survey of European civilization during the Early and High Middle Ages: emphasizing structures and their changes, the ordering of society, the economy, beliefs and ideas, the organization of communities, and the emergence of religious and political institutions.
Prerequisite: None

HIST 225
Cultural and Artistic Traditions of Europe (HUM/SS) (2,1,0) 3 credits

This course introduces some of the major artistic and literary monuments and movements of the Western tradition and places 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.
Prerequisite: None

HIST 226
History of England: The Glorious Revolution to Victorian Britain (HUM/SS) (2,1,0) 3 credits

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.
Prerequisite: None

HIST 227
Major Issues in American History from the Civil War to the Present (HUM/SS) (2,1,0) 3 credits

A study of selected topics in the emergence of the United States as a global economic, political, military and cultural power.
Prerequisite: None

HIST 228
Medieval Europe 1198 - 1500: From the Crusades to the Age of Reconnaissance (HUM/SS) (2,1,0) 3 credits

A survey of continuity in the economic, social, political and religious foundations of late medieval Europe, and of the accompanying philosophical, literary, artistic, and cultural achievements of European civilization during this period.
Prerequisite: None

HIST 270
The History of Women in Canadian Society (HUM/SS) (2,1,0) 3 credits

This course is an introduction to Canadian women's history. Organized chronologically and thematically, the course provides a survey of women's experience from Native women in the pre-European contact period to contemporary women. Within this broad structure, certain themes such as race, class and region will be emphasized.
Prerequisite: None

HIST 300
The Historian's Craft (HUM/SS) (3,0,0) 3 credits

This course approaches the history of historical enquiry in its social, cultural, intellectual, methodological, economic and political contexts. 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. Students with credit for HIST 495 will not normally be admitted.

HIST 301
Canada in the Age of Nations (HUM/SS) (2,1,0) 3 credits

This course examines Canada in the first half of the twentieth century, exploring themes such as imperial connections, the rise of nationalism, new social formations, economic changes, the rise of modernity, total war, reform movements, urbanization, gender relations, racism and nativism, and domestic politics.
Prerequisites: No fewer than 6 credits in recognized lower level History courses. Students who have credit for HIST 426 will not normally be admitted.

HIST 304
The History of the Canadian West (HUM/SS) (2,1,0) 3 credits

Selected topics in the history of the Canadian West with an emphasis on the prairie west; the Indians and the fur trade, Louis Riel, prairie settlement and western social and political protest.

HIST 305
British Columbia (HUM/SS) (3,0,0) 3 credits

This course examines the history of the westernmost jurisdiction in Canada, British Columbia. It explores the aboriginal and settler experience from before contact through to the late twentieth century. Methodologically, it lays a special emphasis on students' use of original materials.
Prerequisites: No fewer than 6 credits in recognized lower level History courses. Students who have credit for HIST 404 will not normally be admitted.

HIST 306
The History of Quebec (HUM/SS) (2,1,0) 3 credits

Examines the relations between the English and the Canadiens prior to the Rebellions of 1837-38, the emergence of the "state of siege" mentality after 1840, the impact of industrialization in Québec, the Quiet Revolution, and independence movement.
Prerequisite: No fewer than 6 credits in recognized lower level History courses. Students with credit for HIST402 will not normally be admitted.

HIST 312
Canada in the Cold War (HUM/SS) (2,1,0) 3 credits

This course examines Canada in the second half of the twentieth century, exploring themes such as external relations in the age of 'middle power' status, the rise of suburbia, new social movements, economic change, the rise of post-modernity, the Quiet Revolution, second and third wave feminism, and multiculturalism.
Prerequisites: No fewer than 6 credits in recognized lower level History courses. Students who have credit for HIST 426 will not normally be admitted.

HIST 314
Tudor England, 1485-1603 (HUM/SS) (2,1,0) 3 credits

This course examines the political, religious, economic, cultural and social changes in England with emphasis on the Reformation Period.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 315
Stuart England, 1603-1688 (HUM/SS) (2,1,0) 3 credits

This course examines the political, religious, economic, cultural and social changes in England with emphasis on the Civil War period.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 316
European Social History (HUM/SS) (2,1,0)(2,1,0) 6 credits

This course explores various social and cultural perspectives of Early Modern Europe. Aspects of domestic life, economic activity, religion, and popular culture provide the basis for related thematic considerations that include occupational structures, family relationships, social stratification, violence and public order, and leisure, ritual, and education in pre-industrial Europe.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 317
European Expansion and Migration (HUM/SS) (3,0,0) 3 credits

This course focuses on conquest, colonization, and associated cultural change along the peripheries of Europe prior to the late fifteenth-century 'discovery' of the Americas. Central themes include the Carolingian conquest of the Saxons, English colonialism in the Celtic world, German migration to eastern Europe, the Spanish Reconquest, and the crusaders and colonists in the eastern Mediterranean.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 327
American Colonial History, 1607-1763 (HUM/SS) (2,1,0) 3 credits

A comparative study of the social, economic and political characteristics of the thirteen colonies as they changed from small European outposts to more mature societies.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 330
The United States, 1812-1865 (HUM/SS) (3,0,0) 3 credits

Political development in the new American nation, with special emphasis on expansion, regionalism, Jacksonian democracy, social reform, and the Civil War.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 331
The United States, 1865-1896 (HUM/SS) (3,0,0) 3 credits

Political and social development in Post-Civil War America, with special emphasis on Reconstruction, industrialization, and the Gilded Age.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 336
The United States, 1900-1945 (HUM/SS) (2,1,0) 3 credits

This course will focus on selected issues relating to the political, social and cultural history of the United States from 1900 to the end of World War II. While foreign affairs are treated in some depth, the course focuses primarily on domestic issues.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 337
The United States, 1945-Present (HUM/SS) (2,1,0) 3 credits

This course will 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. While foreign affairs are treated in some depth, the course focuses primarily on domestic issues.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 339
The American Revolution and the Formation of the United States, 1763-1812 (HUM/SS) (2,1,0) 3 credits

A study of the revolutionary origins of the United States and the establishment of the American republic.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 341
The Emergence of Victorian Britain (HUM/SS) (2,1,0) 3 credits

This course examines the major economic, political, and social factors that produced the world's first urban industrial society.
Prerequisites: No fewer than 6 credits in recognized lower level History courses. Students who have credit for HIST 419 will not normally be admitted.

HIST 342
Victorian Britain (HUM/SS) (2,1,0) 3 credits

This course examines the ways that institutions, families, social groupings, religions, aesthetic, and other values responded to and influenced changes in society.
Prerequisites: No fewer than 6 credits in recognized lower level History courses. Students who have credit for HIST 419 will not normally be admitted.

HIST 351
The History of Childhood and Education (HUM/SS) (2,1,0) 3 credits

This course considers the historic experience of children in Western society and in Canada in particular, focussing on the place of education in children's lives. Educational structures will also be examined, including the development of some of the leading and most influential theories about the education of children.
Prerequisite: No fewer than 6 credits in recognized lower level History courses.

HIST 352
Knowledge and Belief in Medieval to Early Modern Europe (3,0,0) 3 credits

This course will survey the intersections of early science, religious doctrine as well as practice, and popular beliefs in the period from 1000 a.d. to 1750, in Europe. Philosophical, superstitious, medical and technological concepts are considered, with an emphasis on use of historical manuscripts and documents in research and discussion. Abstract concepts of science are clarified in their historical context, and developments bringing science into its modern empirical form are studied. Students completing HIST 420, Special Topics: Popular Belief, Science and Religion in Medieval to Early Modern Europe, Fall 2004, are not permitted to enroll in this course.
Prerequisite: No fewer than 12 credits in recognized lower level History courses

HIST 361
Britain, 1900-1930 (HUM/SS) (2,1,0) 3 credits

This course examines how the realization of poverty in the midst of plenty, gender inequality, and class divisions prompted social and political change between 1900 and 1930.
Prerequisites: No fewer than 6 credits in recognized lower level History courses. Students who have credit for HIST 460 will not normally be admitted.

HIST 362
Britain, Since 1930 (HUM/SS) (2,1,0) 3 credits

This course examines the major socio-economic and political changes created by the depression and World War II. Nationalization of industry, the welfare state, immigration, and modern culture are among the major issues to be examined.
Prerequisites: No fewer than 6 credits in recognized lower level History courses. Students who have credit for HIST 460 will not normally be admitted.

HIST 403
Topics in Canadian Gender History (HUM/SS) (2,1,0) 3 credits

It is now commonplace to state that gender is 'socially constructed, that is, there is no 'natural' or 'essential' sex difference. Gender categories must thus be analysed as historically constituted and open to change, not static or fixed. This course will examine how femininity and masculinity shaped and were shaped by specific historical contexts.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. Successful completion of HIST 300. Successful completion of HIST 270 is recommended.

HIST 405
Topics in British Columbia History (HUM/SS) (3,0,0) 3 credits

This course examines special problems in the history of British Columbia. Central topics will change from year to year but they may include race and racism, the metropolis-hinterland experience, demographic issues, economic development, and/or political culture.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. Successful completion of HIST 300. No fewer than 3 credits in 300-level History courses. Successful completion of HIST 305 is recommended. Students who have credit for HIST 404 will not normally be admitted.

HIST 406
Topics in Local History (HUM/SS) (2,1,0) 3 credits

In this course the student will examine the methodologies for studying local history and apply these techniques to a topic relating to an urban or rural area.
Prerequisites: No fewer than 12 credits in recognized lower level History courses.

HIST 412
Topics in Medieval and Early Modern European History (HUM/SS) (2,1,0) 3 credits

This course will focus on selected themes relating to the cultural, political, institutional, or economic history of pre-industrial Europe. It is intended to accommodate subject matter not usually dealt with in other courses. Thematic considerations will vary from year to year. They may include political ideas and their institutional embodiment (e.g.: kingship, empire, convocation), social and economic transformations, and major cultural expressions. The course is designed for, but not limited to students in the History Majors programme.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 413
Reformation Europe (HUM/SS) (2,1,0)(2,1,0) 6 credits

An examination of European history, 1450-1650, which places both the Protestant Reformation and the Catholic Reformation in the broader context of the political, social, cultural, and economic changes during the early modern era.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 420
Topics in European History (HUM/SS) (2,1,0) 3 credits

This course will focus on selected themes relating to the cultural, political, institutional, or economic history of modern Europe. It is intended to accommodate subject matter not usually dealt with in other courses. Thematic consideration will vary from year to year. They may include domestic politics, the interaction of states, the formation of new states, social and economic transformations, and major cultural expressions. The course is designed for, but not limited to, students in the History Majors program.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 421
Topics in the History of the Atlantic World (HUM/SS) (3,0,0)(3,0,0) 6 credits

This course will focus on selected issues relating to the social, cultural, and political history of the Atlantic World. It is intended to accommodate subject matter not usually dealt with, in detail, in other courses. Thematic considerations will vary from year to year. They may include social and economic transformations, cultural expression, and political development. This course is designed for, but not limited to, History majors.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 425
Topics in Canadian History (HUM/SS) (2,1,0) 3 credits

In these specialist seminars significant historical issues are examined up close. The subject material may change from term to term and will focus on topics like, for example, the Canadian economy, modernisation, war and society, historic urban patterns, the constitution, land claims, race the environment, and so on. Prospective students should check with the Department of Philosophy, History and Politics to determine what will be covered in the upcoming academic year.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 435
Topics in the History of the American Civil War (HUM/SS) (3,0,0) 3 credits

This course examines America's greatest crisis, from its origins in the early nineteenth century to the abandonment of Reconstruction. Specific topics will vary but attention will be paid to the political, military, social, and cultural dimensions of the war.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. Successful completion of HIST 300. No fewer than 3 credits in 300-level History courses.

HIST 445
American Foreign Policy, 1870-1945 (HUM/SS) (2,1,0) 3 credits

Selected topics in political and economic aspects of American foreign policy, from 1870 to 1945.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 446
American Foreign Policy, 1945 to present (HUM/SS) (2,1,0) 3 credits

Selected topics in the history of American foreign policy, 1945 to the present.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 447
Seminar in American History (HUM/SS) (0,3,0) 6 credits

Offers the opportunity to study in depth some of the major problems in United States history. Areas of concentration, depending on the instructor's interests, will include the American Revolution, immigration, ante-bellum reform, civil rights, and urbanization in modern America.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 448
Topics in American Social History (HUM/SS) (3,0,0) 3 credits

This course will focus on selected issues relating to the social and cultural history of the United States. It is intended to accommodate subject matter not usually dealt with, in detail, in other courses. Thematic considerations will vary from year to year. They may include race and ethnicity, social and economic transformations, and cultural expression. This course is designed for, but not limited to, History majors.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 451
Topics in Early Modern Britain (HUM/SS) (2,1,0) 3 credits

This course examines selected themes relating to the economic, social, political, religious, cultural, and intellectual history of Britain between the Reformation and the Industrial Revolution.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 452
Topics in Modern Britain (HUM/SS) (2,1,0) 3 credits

This course will focus on selected themes relating to the social, cultural, and political history of modern Britain. It is intended to accommodate subject matter not usually dealt with, in detail, in other courses.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 470
Population and the Family in the Past (HUM/SS) (3,0,0) 3 credits

Historical demographic ideas, methods, and phenomenon are examined and applied. The ways in which population factors have affected the family, government policy, and society as a whole will be emphasized, largely within a Canadian context. The construction of censuses and databases will be considered.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 490
Seminar for History Majors (HUM/SS) (0,3,0) 3 credits

The course will explore selected problems and issues in the theory and practice of historical work. For seminar topics each year, consult the department. Open to majors with the permission of the department.
Prerequisites: No fewer than 12 credits in recognized lower level History courses. No fewer than 3 credits in 300-level History courses.

HIST 499
Topics in Canadian Labour History (HUM/SS) 3 credits

This course explores issues in the historical experience of working people in Canada. Topics examined include the changing character of work over the last three centuries, the variety of organizational and political responses with which working people experimented, the phenomenon of trade unionism, working-class culture, the rise of left-wing movements across Canada, and the problem of gender and race within the ambit of class.
Prerequisites: No fewer than 6 credits in recognized lower level History courses. Successful completion of HIST 300.

Home Support/Resident Care Attendant

HSRC 100
Health: Lifestyle and Choices (30 hours) 1 credit

This course provides an introduction to the concept of health and the factors which lead to a health enhancing lifestyle. Learners will be expected to reflect on their own experience of health, recognizing the demands and resources that may impact on their lifestyle choices and consequently their health.
Prerequisite: Admission to the Home Support/Resident Care Attendant program.

Corequisite: HSRC 105, 115

HSRC 105
Human Relations: Interpersonal Communication (80 hours) 3 credits

This course focuses on the development of self-awareness and an increased understanding of others. Learners will explore basic communication concepts and practice skills which contribute to effective interpersonal relationships.
Prerequisite: Admission to the Home Support/Resident Care Attendant program.

Corequisite: HSRC 100, 110, 115, 120, 125, 130, 135

HSRC 110
Work Role: Introduction to HS/RCA Practice (70 hours) 2 credits

This course provides an introduction to the continuing care industry and the diverse roles of the HS/RCA worker. The course offers the opportunity to acquire the home management skills necessary for home support practice. It builds upon the content in HSRC 100 and 105 to further develop the knowledge, attitude and values required for practice.
Prerequisite: Admission to the Home Support/Resident Care Attendant program, HSRC 100.

Corequisite: HSRC 100, 105, 115, 120

HSRC 115
Healing: Personal Care Skills for the HS/RCA (90 hours) 3 credits

This practical course offers the opportunity for learners to acquire and practice the basic personal assistance skills in line with personal assistance guidelines required of the home support attendant. The personal care skills required by the RCA, to maintain and promote the comfort, safety and independence of adults in continuing care settings will also be taught and practiced.
Corequisite: HSRC 100, 105, 110

HSRC 120
Health and Healing: Concepts for Practice (85 hours) 2 credits

This course provides an opportunity to explore the theory necessary to promote activity and positive mental health, to assist the client/resident meet his/her human needs. Learners will examine the significant beliefs and theories underlying practice.
Prerequisite: HSRC 100, 110, 115

Corequisite: HSRC 105, 125, 130

HSRC 125
Home Support Attendant: Practical Experience (75 hours) 3 credits

This practical experience provides an opportunity for learners to apply the caring philosophy with individuals and families in various stages of the life cycle. There will be an emphasis on the application and integration of the knowledge and skills learned in all other courses.
Prerequisite: HSRC 100, 110, 115

Corequisite: HSRC 105, 120, 130

HSRC 130
Resident Care Attendant: Clinical Practice (210 hours) 5 credits

This practice course provides an opportuity to apply the caring philosophy with older adults in intermediate and extended care facilities. Selected supervised experiences will emphasize the application and integration of knowledge and skills learned in all other courses.
Prerequisite: HSRC 100, 110, 115

Corequisite: HSRC 105, 120, 125

HSRC 135
Healing: Special Needs in Home Support and Resident Care (80 hours) 2 credits

This course builds on other course materials to provide an introduction to the basic concepts and approaches involved in the care of the client/resident experiencing changes in mental functioning. The course also explores the role of the HS/RCA working in special needs family situations.
Prerequisite: HSRC 100, 110, 115, 120.

Corequisite: HSRC 105, 125, 130

Horticulture

HORT 150
Basic Horticulture (38 hours) 2 credits

This course introduces the student 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 151
Greenhouse Production (38 hours) 2 credits

The student will 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 152
Diseases and Insect Pests (38 hours) 2 credits

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 154
Soil Science (38 hours) 2 credits

Topics covered 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 160
Weeds (26 hours) 1 credit

Aspects to be studied are biology of weeds, identification, control measures and common herbicides.
Prerequisite: Admission to the Horticulture program.

HORT 161
Nursery Production and Retailing (26 hours) 1 credit

Nursery production is an important aspect of the horticulture industry in B.C., 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. Also covered will be the retailing of nursery stock and horticultural products in a garden centre.
Prerequisite: Admission to the Horticulture program.

HORT 162
Fruit and Vegetable Production (26 hours) 1 credit

In fruit production the course examines site selection, rootstocks, pollination, pruning, and the use of chemical growth regulators. Areas to be covered in vegetable production include seed germination, growing transplants, cultivation, fertilization, irrigation and cultural requirements of some important vegetables.
Prerequisite: Admission to the Horticulture program.

HORT 163
Landscaping (26 hours) 1 credit

Landscaping is an important and integral part of the urban environment. The course covers the principles of landscape design, developing a landscape plan, hard landscaping, landscape installation and landscape maintenance.
Prerequisite: Admission to the Horticulture program.

HORT 164
Turfgrass Management (26 hours) 1 credit

The student will 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 170, HORT 180
Horticulture Practical (595 hours) 3 credits

The practical sessions are an integral part of the program and are designed to give students hands-on experience in developing required skills. Horticulture 180 is in the second term and is a continuation of Horticulture 170. 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 190
Horticulture Practicum 3 credits

The objective of the practicum is to enhance and culminate the education acquired within the University environment with work experience at participating businesses and organizations. The practicum will allow the student to solidify information learned at TRU, to see its application in the work world and to participate in the day-to-day operation of a business. Through the practicum, the student will gain a deeper insight into the direction he/she wants to go within the horticulture industry.
Prerequisite: Admission to the Horticulture program.

HORT 200
Greenhouse Production (2,0,4) 3 credits

This course will provide students an opportunity to acquire new skills and improve on existing skills in a “Hands on” work related environment. The main emphasis of this course will be bedding plant production.
Prerequisite: HORT 151 or permission of the instructor

Hotel Management

HMGT 111
Catering and Service Management (3,0,5) 3 credits

This course takes a student from a basic understanding of the principles of food production and service to the practical skills and knowledge for effective management of food and beverage service outlets including banquet areas and high-cheque average dining rooms. Topics include menu planning (both food and wine), purchasing, storage and sanitation. Students will be required to work in the University Dining Room for the applied portion of this course.

HMGT 121
Food and Beverage Preparation (1,1,3) 3 credits

This course explains the techniques and procedures of quality and quantity food production and service and provides the principles underlying the selection, composition and preparation of the major food products. Students gain practical experience by working one night per week in the University Dining Room kitchen or an off-campus kitchen for the applied portion of this course.

HMGT 210
Food and Beverage Cost Control (3,0,0) 3 credits

This course covers the principles and procedures involved in an effective food and beverage control system. Students will be 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. Topics covered include budgeting techniques, standards determination, purchasing systems and menu pricing.
Prerequisite: ACCT 100 and COMP 191

HMGT 211
Resort Management (3,0,0) 3 credits

This course offers a complete approach to the operation of resort properties. Beginning with historical development, details are presented in planning, development, financial investment management and marketing that deal with the unique nature of the resort business. The course also examines the future and the impact of the condominium concept, time sharing, technological change and the increased costs of energy and transportation.

HMGT 212
Hotel Sales and Service (3,0,0) 3 credits

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 115

Note: Students who are enrolled in or have already completed CONV 219 or CONV 125 will not receive credit for HMGT 212

HMGT 221
Food and Beverage Management (2,1,1) 3 credits

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.
Prerequisite: HMGT 111, HMGT 121, Foodsafe Level 1. Minimum age requirement of 19 years of age.

HMGT 241
Hotel Operations 1 (3,0,0) 3 credits

The intent of this course is to help prepare the learner for positions in the hotel industry by providing an overview of the complexities of the hotel industry and the various operating 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 250
Field Trip Activity Fee (Year 2 Resort and Hotel Management Diploma)

Required for all second year students of the Resort and Hotel Management Diploma Program. This course will consist of a multi-day field experience. The goal of this course is to expose the student to the many facets of industry in order that they might better understand concepts discussed in the classroom.

HMGT 251
Hotel Operations 2 (3,0,0) 3 credits

A continuation of HMGT 241, the intent of this course is to focus 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 guest room is maintained. Therefore the focus of this course will be on the guest cycle (reservations, registration, occupancy and check-out). Learners will be introduced to basic front office operating procedures as well as hotel security and housekeeping issues.
Prerequisite: HMGT 241

Human Service

HUMS 130
Introduction to Mental Health (3,0,0) 3 credits

This course will provide an introduction to community mental health issues for children, youth and adults and an opportunity to learn about the philosophy and values which direct care. Students will reflect on person-centred practice; facilitative communication; behaviour management; non-violent crises intervention; the mental health system and evidence based practice. Students will also have an opportunity to examine practice issues such as cultural competence, the ethics of care and service delivery models. This course also provides an overview of various disorders. Mental health will be examined through a 'best practices' approach that encompasses grounded theory, new developments in the field, problem solving and current research.

This course is an excellent introduction to the field of mental health care for those working in the field of human services.
Prerequisite: Acceptance into the Human Service program

HUMS 154
Interpersonal Communications and Helping Relationships (3,0,0) 3 credits

Self awareness is a foundation for the development of competent human service workers. By focusing 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: Acceptance into the Human Service program

HUMS 156
Introduction to Marriage and Families (2,2,0) 3 credits

Through the study of the family, students will explore how the family of origin contributes to the present adult personality, marriage, relationships and family life. Topics include: self worth and family life, introduction to communication theory. By participating in group discussions the student will learn how Canadian families have changed over the years due to social, economic and political press. From this information base, students will also examine the impact of their family life experiences on the development of their professional selves, and how to use this knowledge in working within the family and community.
Prerequisite: Admission to Human Service programs.

HUMS 158
Introduction to Human Service Professional Practice (3,2,0) 3 credits

This course orients students to the field of human services. Classroom sessions will introduce students to professional values, ethics, conduct and self renewal. Strategies for effective observation and record keeping skills will be covered. This course also includes a one week field work experience for students.
Prerequisite: Admission to the HUMS certificate program.

HUMS 159
Practical Skills for Community and School Support Workers (3,0,2) 3 credits

This course introduces Community and School Support students to the practical aspects of supporting individuals with disabilities in classroom, community and home settings. Students participate in 3 specific learning modules during the semester that cover a variety of healthcare, 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.
Prerequisite: Admission to the Community and School Support program

HUMS 161
Interviewing Skills for Social Service Practice (3,0,0) 3 credits

This course introduces students to the skill of interviewing. Students will develop the skills to complete informational and referral interviews as well as facilitate problem-solving interviews. There will be some lecture and discussions as well as videotaped practice of simulated interviews.
Prerequisite: All fall semester courses. Admission to the Human Service programs.

HUMS 162
Introduction to Social Welfare in Canada (3,0,0) 3 credits

This course is an introduction to the history and development of human services and social welfare policy in Canada and in particular, British Columbia. Topics discussed in this course include: poverty, with particular reference to women and First Nations people, major political ideologies and their impact on social policy. Students will also learn about the structure of government and the development of a social security system in Canada. One model for policy analysis is also introduced.
Prerequisite: Admission to the Human Service programs.

HUMS 164
Foundations of Community & School Support Work (4,0,0) 3 credits

This foundations course introduces students to the theory and perspectives necessary for understanding issues related to working with individuals who are challenged by a disabling condition. A major focus is the identification of mental and physical handicaps and the challenges they present for every day living. This course also addresses appropriate individualized program planning, the theoretical and ethical issues as well as practical skills needed to facilitate each person's maximum independence in society.
Prerequisite: Admission to the Human Service programs.

HUMS 165
Understanding Behaviour: Learning for Independence (3,0,0) 3 credits

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.
Prerequisite: All Fall semester courses. Admission to the Human Service Programs.

HUMS 166
Health Care Principles (3,0,0) 3 credits

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.
Prerequisite: Admission to the Human Service Programs.

HUMS 174
Foundations of Social Service Work (3,0) 3 credits

The Foundations of Social Service Work course introduces students to generalist social service work practice which emphasizes interdisciplinary approaches. The roles of consumer and self help groups in the helping process and the knowledge base, skills and values of social service work practice are examined.

As well as assisting students to evaluate their interests and capabilities for entering the field of social service work, this course provides the student with skills appropriate for entry level social service work.
Prerequisite: All Fall semester courses. Admission to the Human Service Programs.

HUMS 175
Alternate & Augmentative Communication (3,0,0) 3 credits

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.
Prerequisite: All Fall Semester courses. Admission to the Human Service Programs.

HUMS 177
Introduction to First Nations Studies and Human Service Practice (3,0,0) 3 credits

This course will introduce students to 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. Attention will be paid to understanding the past and working with the present and future within a context of life-long learning self government, healing and empowerment. A focus will include introduction to the knowledge, skills and attitude towards the development of culture and competence and decolonizing practice in Human Service field.
Prerequisite: Acceptance into the Human Service Diploma program

HUMS 182
Human Service Diploma Practicum (0,2,8p) 4 credits

This course is the practicum of the Human Service Diploma program offered through Thompson Rivers University. It involves a supervised 234 hour 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 Human Service Diploma courses, unless otherwise negotiated with instructors

HUMS 200
Introduction to Fetal Alcohol Spectrum Disorder (3,0,0) 3 credits

This course will provide an overview of Fetal Alcohol Spectrum Disorder (FASD), including the effects of alcohol during pregnancy, diagnostic criteria, assessment and current research. This course will also explore addiction issues related to gender, harm reduction and historical/cultural/moral implications of addiction. Students will have an opportunity to explore their beliefs/values related to addictions and invisible disabilities.

HUMS 201
Community Advocacy and Teaming (3,0,0) 3 credits

This course introduces students to specific skills and knowledge that can be applied to advocacy for children, youth and adults facing significant social disadvantages due to disabilities, poverty, mental health problems, etc. Community systems will be examined in terms of how practitioners can facilitate support for clients facing multiple barriers. Prevention programs and community teaming possibilities will be discussed with opportunities to discover existing resources and identifying gaps in services from a community perspective for specific populations (i.e. people with FASD).

HUMS 202
Neuro-Developmental Approaches to Learning and Behaviour (3,0,0) 3 credits

Students will develop a theoretical and conceptual framework to design and implement behavioural and learning interventions with individuals diagnosed with Fetal Alcohol Spectrum Disorder (FASD) and similar neurological impairments. Students will demonstrate practical skills in the use of environmental adaptations, develop appropriate 1-1 and small group teaching developmental framework for working with behavioural issues common to children, youth and adults with various neurological impairments. How effective and appropriate intervention contributes to a prevention of secondary disability conditions will also be discussed.

HUMS 203
Fetal Alcohol Spectrum Disorder - Developmental Perspectives (3,0,0) 3 credits

This course is designed to help students situate their work with individuals affected by fetal alcohol syndrome within a developmental context. Fetal alcohol effects are discussed 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 particular attention how these develop over time. Strategies for addressing secondary disability issues are discussed.

HUMS 204
Fetal Alcohol Spectrum Disorder - Field Practice (3,7,0) 3 credits

The primary purpose of this practicum course is to provide opportunities for both demonstration and evaluation of the 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 will connect their theoretical knowledge to practice. Those students with limited field experience will have the opportunity to practice in the field for a 12 week period - 1 day a week. During these 12 weeks there will be 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.

HUMS 222
Theoretical Foundations in Human Service Practice (3,0,0) 3 credits

This course introduces students to the concepts of theory and practice and how the two relate. Students will 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 will also be discussed.
Prerequisite: None

HUMS 250
Special Topics (3,0,0) 3 credits

This course provides an opportunity to examine selected current issues in child and youth care.
Prerequisite: Admission to the Human Service Diploma program

HUMS 253
Self and the Helping Relationship as a Context for Change (3,0,0) 3 credits

This course emphasizes that an effective helper must be aware of the values, language, contextual speech, gender and cultural differences affecting his or her relationships.

Ideas, concepts and topics will 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: None

Japanese

Please note: The ultimate decision on placement is under the authority of the Modern Languages Coordinator.

Failure to complete all components of the course may result in failure.

JAPA 111
Introductory Japanese 1 (4,0,0) 3 credits

The focus of this beginner's course is on the development of communicative skills in speaking, listening, reading and writing as well as on the culture of the Japanese speaking world. This course makes extensive use of multimedia and computer programmes to facilitate and enhance learning.

This course is not open to students with recent Japanese 11. If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no Japanese in the last two years or more).
Prerequisite: None

JAPA 121
Introductory Japanese 2 (4,0,0) 3 credits

A continuation of JAPA 111.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no Japanese in the last two years or more).
Prerequisite: JAPA 111 or equivalent (recent Japanese 11 with C or less)

JAPA 151
Japanese for Tourism (For Tourism Diploma Students Only) (4,0,0) 3 credits

An introduction to spoken and written Japanese. This course prepares the student in tourism to serve Japanese visitors to Canada in a hotel, restaurant or retail shop, using Japanese. The primary focus of the course will be on correct pronunciation of Japanese, so that students can speak clearly to a Japanese guest, communicating to be understood. Through the use of common phrases, basic sentence patterns and regular usage drills, the student will be able to freely build sentences in Japanese.

With Japanese language proficiency will come a deeper appreciation of Japanese culture, and consequently a better understanding of the service needs of Japanese visitors to Canada.

JAPA 211
Intermediate Japanese 1 (4,0,0) 3 credits

This course further develops communicative skills in speaking, listening, reading and writing and deals with language from a variety of different areas, registers and periods. This course makes extensive use of multimedia and computer programmes to facilitate and enhance learning.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no Japanese in the last two years or more).

Prerequisite: JAPA 121 or equivalent (recent Japanese 11 with C+ or more, Japanese 12 with C or less)

JAPA 215
Oral Japanese 1 (4,0,0) 3 credits

Japanese 215 is designed to enhance communication skills. The emphasis will be on oral expression, comprehension, pronunciation and vocabulary expansion. A large number of activities will be included and introduced according to the interests of the class.

Prerequisite: JAPA 121 or equivalent (recent Japanese 11 with a C+ or more, Japanese 12 with a C or less) or instructor's permission. This course is designed for students whose mother tongue is not Japanese.

JAPA 221
Intermediate Japanese 2 (4,0,0) 3 credits

A continuation of JAPA 211.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no Japanese in the last two years or more).

Prerequisite: JAPA 211 or equivalent (recent Japanese 12 with C or less)

JAPA 225
Oral Japanese 2 (4,0,0) 3 credits

Japanese 225 builds on the fluency acquired in JAPA 215. It will allow students to progress to a higher level of expression in developing conversational strategies, improving pronunciation, and acquiring vocabulary. Some reading and written work may be required to form a basis for informed discussions. The course will include a variety of activities such as conversations, interviews, role playing, group discussions, and presentations.

Prerequisite: JAPA 215 or instructor's permission

JAPA 250
Japanese for Business 1 (4,0,0) 3 credits

This course is intended for students with a basic level of Japanese language who wish to further their Japanese, with language skills appropriate 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 structures.

Prerequisite: Successful completion of JAPA 121 or equivalent, or permission of the instructor

JAPA 251
Japanese for Business 2 (4,0,0) 3 credits

Intended for students with a basic level of Japanese language who wish to further their knowledge of language skills appropriate for the Japanese business world. Spoken language skills appropriate for business meetings, the office, politeness strategy, and various business contexts will be introduced. Continuation of JAPA 250.

Prerequisite: Successful completion of JAPA 250 or equivalent, or permission of the instructor

JAPA 260
Aspects of Japanese Culture 1 (4,0,0) 3 credits

This survey course introduces aspects of Japanese culture and society to students. The course covers Japan from the Meiji Restoration (1868) to the Second World War. Focus is on the development of basic Japanese social, cultural, and political ideas. Conducted in English; no knowledge of Japanese required.

Prerequisite: None

JAPA 261
Aspects of Japanese Culture 2 (4,0,0) 3 credits

This survey course introduces aspects of Japanese culture and society to students. The course looks at modern Japan in the post-war era. Focus is on the development of basic Japanese social, cultural, and political ideas that have shaped modern Japanese society. Conducted in English; no knowledge of Japanese is required.

Prerequisite: None

Journalism

Although space for "non-journalism" students is limited, Arts and Science students may take Journalism courses for general elective credit.

JOUR 201
Studies in Journalism (3,0,0) 3 credits

Journalism 201 is a variable content course offering an introduction to topics in contemporary journalism studies: social and political issues in Canadian journalism, journalism and film, journalism and media studies, journalism and the new media

Prerequisite: Second year standing

JOUR 301
Media Theory and History (2,1,0) 6 credits

This course is a critical introduction to the history and operation of the media in Canada, with emphasis on the development of journalism as part of many of these organizations' stock in trade. Using a care study approach, the course is designed to familiarize students with basic media theory and the structure, history, and general operations of the media institutions in Canada.

Prerequisite: Admission to the journalism program or permission of the instructor

JOUR 302
Reporting for the Media (2,2,0) 6 credits

This course introduces the basic skills, techniques, and behaviour needed to be a successful journalist. A journalist needs initiative in finding ideas for newsworthy stories, an ability to conduct interviews and to write news stories on a strict deadline, all the while dealing with the issues of what can be published legally and the ethical responsibilities of good journalism. The course develops the type of discipline in planning, writing, the management of time, and taking photographs required for working in the media and in corporate communications.

Prerequisite: Admission to the journalism program or permission of the instructor

JOUR 303
Technique: Writing and Editing (2,2,0) 6 credits

This course takes the student from a thorough review of grammar to the introduction of basic techniques of writing, revising and copy-editing. Students receive extensive technical instruction in the context of their own writing (rather than in the more traditional context of grammar tests). Students in JOUR 303 also do a lot of free-writing and timed-writing exercises. Finally, the course offers a solid introduction to and practice in professional copy-editing and Canadian Press style; students will work with traditional editing symbols on hard copy before tackling the kind of on-screen editing they would be expected to do on the job.

Prerequisite: Admission to the journalism program or permission of the instructor

JOUR 304
Working in the News Business (2,1,0) 6 credits

One of four year-long core courses in the TRU School of Journalism, this course provides a detailed overview of several key topic areas: the structure and operation of various media organizations; how to prepare for, compete for and succeed in jobs in journalism; preparation for the required internship experience; introductory layout and pagination; and a spectrum of skills essential to working in newsrooms.

Prerequisite: Admission to the journalism program or permission of the instructor

JOUR 340
National and International Media (2,1,0) 3 credits

This course is designed to familiarize students with major international and national media. Students are exposed to a wide variety of print publications and learn how the media helps form and shape societal values. Students evaluate the major global media consortiums that cross control newspapers, magazines, movie studios, cable TV channels, networks, music program and Internet providers today. The course also examines the relationships and dependencies that Canadian media have at the local, regional, national and international levels, with a consideration of how governments attempt to control the media.

Prerequisite: Entry into the Journalism Program of permission of the instructor

JOUR 399
Directed Study: Internship (0,3,0) 3 credits

Journalism Internship Studies provides academic credit for those Journalism students engaged in 12-week internships. Working with an instructor, students will complete assignments designed to enhance the internship experience.

Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 410
Online Journalism (2,2,0) 3 credits

This course focuses on the production of an online newspaper. Students will refine their writing, reporting and editing skills by developing news and features for publication on the World Wide Web. They will acquire basic HTML language skills and become familiar with Web editing and design programs by producing the online newspaper and a personal Web page. Emerging issues in online journalism will be examined and discussed. Students will work on advanced applications in editing, layout and web publishing software.

Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 412
Newspaper Production (2,0,2) 3 credits

Through having students publish a newspaper, this course builds on the skills and techniques developed in Journalism 320 and 311. Students will gain experience with story assignment and line-up, story and photo placement, ad placement, the roles of different editors and reporters, editing and layout. Generally, students will work in a newsroom environment and they will be involved in all facets of producing these papers.

Prerequisite: JOUR 311 or permission of instructor

JOUR 421
Freelance Writing (2,2,0) 3 credits

This course will proceed as an intensive workshop in freelance writing, focused on the researching, writing and selling of freelance articles. Limited class size will allow students to zero in on special interests and special problems. Students will be required to submit (and where necessary, revise and re-submit) their work for publication. They will be encouraged to keep a writing log and to treat the course as a kind of self-directed study with a collaborative edge. The point of the course is twofold: to refine and strengthen the individual's sense of writing self (especially in order to facilitate the charting of a freelance career) and to provide a solid introduction to the business of professional freelance writing.

Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 422
Beat Reporting:Arts and Culture (2,2,0) 3 credits

An overview of arts and entertainment coverage, with particular emphasis on practical writing skills, from the perspective of a reporter working in the field. We will look at arts content in its varied forms, critical and non-critical - profiles, reviews, features, advances, special-event/community coverage and listings - in a cross-section of predominantly print media, especially community newspapers. There will be monthly field trips with assigned coverage and guest speakers to provide community and professional insight.

Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 423
Beat Reporting: Business and Economics (2,2,0) 3 credits

The economic health of a country determines everything from the quality of life to the political system. Financial news can be as dramatic as a major corporate scandal or as pragmatic as the number of new homes built in a town. Reporters who can understand and interpret financial news have become much in demand in recent years. Thanks to scandals such as those involving big names such as Lord (Conrad) Black and Martha Stewart, business journalism has become one of the sexiest fields in journalism today. This course explores the dynamic field of financial journalism. It will cover the topics and terms of business journalism. It will expose students to the various types of financial journals and give them a broad perspective on different publications, broadcast operations and web-based sites that cover business.

Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 424
Beat Reporting: Politics (2,2,0) 3 credits

An examination of political reporting as a central element of democracy, concentrating on the specific relationships between journalism, citizens and the political process. The course focuses on the interaction between Canadian political institutions and journalists at the local, provincial and federal levels, and explores issues involving the role of journalism in the democratic process.

The process of political news-gathering and writing is also explored through course assignments, which include the production of news stories for publication.

Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 425
Beat Reporting: Justice (2,2,0) 3 credits

Crime reporting is like ancient Greek tragedy: it brings together the hot issues that continue to fascinate humanity about justice, fairness, depraved schemes, random victimization, and the means society uses to deal with the problem of deviance and criminal behaviour. This course will examine crime writing in theory and practice as a modern version of Greek tragedy and a pillar of mainstream writing. It will look at how culture and style affect crime stories and examine theories of criminal behaviour. Students will both analyze crime reporting and do their own writing in this genre. This course will examine the writing of modern crime journalists to help understand different methods of researching and structuring stories about crime and justice in the context of modern culture and society. Students will learn how to write stories involving police, the court system, the prison system, felons and victims, and grapple with the limitations of crime writing, according to taste, different types of publications, and the law. Part of the course will involve attending local court cases and doing deadline writing.

Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 426
Beat Reporting: Sports (2,2,0) 3 credits

The world of sports is often seen as a microcosm of society because it has included some of the greatest in human achievement and some of the worst in human behaviour, plus everything in between. Perhaps that is why sports writing runs the gamut from the best - and the worst - in journalism. Often derided by news reporters as the "toy department" of newspapers, sports sections have nonetheless expanded in size and popularity as the market-driven imperatives of modern media corporations have reflected heightened public interest in and promotion of professional sports. This course will examine sports writing in theory and practice not only as a reflection of modern culture, but also as an integral part of media marketing. Students will both analyze sports reporting and do their own writing in this genre.

Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 451
Photojournalism (2,2,0) 3 credits

Newspapers, magazines and web publications depend on the special talents of photojournalists to provide unusual and striking images in difficult conditions under deadline pressure. This course develops the practical working skills of planning and taking the different types of photos needed for these publications and explores theoretical issues of ethics and privacy in press photography. The course looks at the day-to-day routines and life of a staff photojournalist and at opportunities for freelancing photos.

Prerequisite: Entry into the Journalism Program of permission of the instructor

JOUR 452
Research Methods (2,1,0) 3 credits

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 features a range of material in three major areas: 1) the principles and techniques of journalistic investigation, including library and online research as well as interviewing; 2) mathematical and analytical skills required for original and computer-assisted research; and 3) an extended practical introduction to computer-assisted reporting .

Prerequisite: Entry into the Journalism Program of permission of the instructor

JOUR 454
Magazine Writing & Production (2,2,0) 3 credits

Working as a team, students will produce a community magazine.

Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 455
Media and Public Relations (2,1,0) 3 credits

This course develops some of the 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 “media coaching” organizational spokespersons.

Prerequisite: Entry into the Journalism Program of permission of the instructor

JOUR 458
Alternative Media (2,1,0) 3 credits

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, blogs, and the like) available – indeed, ever multiplying – in the current electronic environment and information era. The purpose of such examination is twofold: to instil 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.

Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 459
Outlaw Journalists (2,1,0) 3 credits

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 the instructor

JOUR 470
Media Law and Media Ethics (2,1,0) 3 credits

This course provides an overview of the legal and ethical situations and circumstances that commonly confront journalists and other media professionals. Some of the topics covered will be libel, contempt of court, freedom of information and privacy legislation, copyright, confidentiality, protection of sources and the use of "off the record" remarks.
Prerequisite: Entry into the Journalism Program or permission of the instructor

JOUR 495
Directed Study (3,0,0) 3 credits

The course is a directed study on a journalism related topic. Students work independently, under the general supervision of a faculty member. Generally, there will be 1-3 students enrolled in the course. The instructor provides the student(s) with a syllabus or program of study and a set of assignments on the material. The student(s) and the instructor meet regularly throughout the semester to discuss the material and gauge student progress. The Department Chair and the Dean must approve course topics.
Prerequisite: Entrance to the Journalism program

With the permission of the Program Chair, students may be allowed to undertake independent study in an area of special interest in the field of journalism.

Learning Facilitator

LEFA 101
Frameworks for Exploring Diversity (3,2,2) 4 credits
Summer Semester Year 1

This is the first course in the Learning Facilitators' Certificate program. It introduces participants to a broad range of topics and issues in the education of students with diverse characteristics and learning needs, and establishes the foundational skills for distance learning in the community-based components of the program. Each participant completes an initial self-assessment to identify current strengths as well as capacities and areas of competence they will focus on throughout the Learning Facilitators' Certificate program. University mentors assist individual participants to set goals, develop plans and complete learning tasks that address the Program Capacities and Areas of Competence. Each participant creates a baseline portfolio summarizing personal and educational history, attributes as an educator and learner, learning goals, and a learning plan for the following semester.
Prerequisite: Experience working with children or adults in an educational setting (e.g., public, independent or federally-funded school, Head Start, pre-school, daycare, infant development, adult education centre). Approved admission to the 30-credit Learning Facilitators' Certificate program. Commitment to full participation in the 30-credit Learning Facilitators' Certificate.

Corequisite: None

LEFA 102
Supporting Individual Learners (3,2,10) 5 credits
Fall Semester Year 1

This course deals with how a support worker might be involved in assisting an individual student with previously identified learning needs. Participants complete readings, a web-based Content Module, and focused learning tasks that address specific goals related to the program expectations and the specific educational outcomes/objectives of this course.

Participants are expected to make connections between their work on these assignments and their workplace responsibilities, and to apply what they learn by developing and implementing strategies for supporting a specific student or small group in their educational settings. At the end of semester, each participant prepares a portfolio submission containing evidence of learning, along with a self-evaluation referenced to the program expectations (see Capacities and Self-assessment on the program website http://www.educ.sfu.ca/fp/sdl). The participant's mentor responds to the portfolio, has an evaluation conference with the participant, and reviews the individual's learning goals and action plan for the following semester.
Prerequisite: Successful completion of the first course in the Learning Facilitators' Certificate Program (Frameworks for Exploring Diversity).

Corequisite: An appropriate practicum setting (i.e., a workplace assignment that involves supporting children or adult learners in an educational setting such as: a public, independent or federally-funded school; Head Start, pre-school, daycare, or infant development centre; adult education centre, etc.).

LEFA 103
Distance Learning Practicum - Understanding and Planning for Specific Learning Needs (3,0,4) 3 credits
Winter Semester Year 1

In this semester, participants are expected to extend their knowledge and skills by investigating the learning needs of a variety of students in their workplace contexts, building on what was learned in the previous semester. Studies of individual differences are guided by an approved learning plan developed in consultation with a program mentor. Practicum activities focus on creating and implementing appropriate plans to support diverse learning needs within the scope of the individual's workplace responsibilities. This course encourages consideration of cultural factors in supporting individual learners, particularly those of Aboriginal heritage. The "circle of courage" framework developed by Brendtro, Brokenleg and Van Bockern is introduced as a template for assessing student learning needs and planning appropriate learning activities.
Prerequisite: Successful completion of the first two courses in the Learning Facilitators' Certificate program (Frameworks for Exploring Diversity and Supporting Individual Learners) or special permission of the instructional team.

Corequisite: An appropriate practicum setting (i.e., a workplace assignment that involves supporting children or adult learners in an educational setting such as: a public, independent or federally-funded school; Head Start, pre-school, daycare, or infant development centre; adult education centre, etc.)

LEFA 104
Developing a Community of Inquiry (0,2,0) 2 credits
Winter Semester Year 1

Participants engage in discussion groups, facilitated by program mentors, with a focus on exchanging perspectives and sharing insights arising from their individual focused inquiries. Participants are expected to demonstrate thoughtful participation and a spirit of inquiry, and to critically examine their beliefs and practices in dialogue with others.
Prerequisite: Successful completion of the first two courses in the Learning Facilitators' Certificate program, or permission of the instructional team.

Corequisite: LEFA 103

LEFA 201
Community and Cultural Dimensions of Learning (4,2,2) 4 credits
Summer Semester Year 2

This course focuses on more complex issues and topics in educating students with diverse learning needs, including community and cultural dimensions of education, issues of diversity and inclusion, and tools and strategies for communication, collaboration and problem-solving.

During this summer institute, participants also review their portfolios for the past year, update their self-assessment related to the program expectations (see Capacities and Self-Assessment on the program website at http://www.educ.sfu.ca/fp/sdl http://www.educ.sfu.ca/fp/sdl), and present some aspect of their learning from the previous year to colleagues at the institute. By the end of the institute, each participant completes a learning plan outlining their work for the coming year.
Prerequisites: Successful completion of the first three semesters of the Learning Facilitators' Certificate program, or special permission of the instructional team.

LEFA 203
Distance Learning Practicum - The Assessment-Instruction Cycle (2,2,12) 5 credits
Fall Semester Year 2

This course emphasizes the relationships among assessment, interpretation, evaluation, intervention and instruction. A field study, conducted in the participant's workplace, provides the context for demonstration of learning and growth in capacity to support students with diverse needs, with particular emphasis on the use of inclusive and culturally appropriate educational practices. Participants are expected to refer to information from readings and professional resources identified in the field study plan they have developed in consultation with a mentor, and to explain why the approaches they have selected are considered educationally sound. At the end of the field study semester, each participant presents evidence of learning and growth in a working portfolio to be reviewed by the mentor.

Prerequisite: Successful completion of the first four semesters of the Learning Facilitators' Certificate program, or special permission of the instructional team.

Corequisite: An appropriate practicum setting (i.e., a workplace assignment that involves supporting children or adult learners in an educational setting such as: a public, independent or federally-funded school; Head Start, pre-school, daycare, or infant development centre; adult education centre, etc.).

LEFA 204
Developing Networks of Support for Student Learning (2,0,6) 3 credits
Winter Semester Year 2

This field study course builds on the previous semester's learning activities. Participants continue to incorporate strategies for effective instruction into their field study activities, with emphasis on involving parents and community in the education process. Participants are expected to extend and deepen their competence as educational practitioners, to work collaboratively with other educators in supporting student learning, and to make connections among school, home and community that enhance the quality of learning for all.

Prerequisite: Successful completion of the first five semesters of the Learning Facilitators' Certificate, or special permission of the instructional team.

Corequisite: LEFA 205. An appropriate practicum setting (i.e., a workplace assignment that involves supporting children or adult learners in an educational setting such as: a public, independent or federally-funded school; Head Start, pre-school, daycare, or infant development centre; adult education centre, etc.).

LEFA 205
Investigating Issues in Aboriginal Education (0,2,0) 2 credits
Winter Semester Year 2

Facilitated discussions are designed to broaden and deepen participants' perspectives on issues in Aboriginal education, and to make connections between situations encountered in local communities and broader systemic issues. Participants form study groups to investigate a chosen topic, summarize appropriate readings and research, and present an analysis of their issue to the cohort seminar group.

Prerequisite: Successful completion of the first five semesters of the Learning Facilitators' Certificate program, or permission of the instructional team.

Corequisite: LEFA 204

LEFA 206
Reflections on Supporting Diverse Learners (1,1,0) 2 credits
Summer Semester Year 2

During this final course in the Learning Facilitators' Certificate program, participants reflect on and synthesize what they have learned over the previous two years, in preparation for a final comprehensive portfolio conference and festival of learning. Each participant prepares a comprehensive portfolio that represents their learning journey, including evidence of growth and a self-evaluation related to the program expectations (see Capacities and Self-assessment on the program website at http://www.educ.sfu.ca/fp/sdl/ http://www.educ.sfu.ca/fp/sdl). Participants attend a two-day festival of learning, where they make individual or small-group presentations to colleagues and invited guests on what they have learned from their field study work. Comprehensive portfolios are evaluated in individual conferences between participants and mentors.

Prerequisite: Successful completion of all previous courses in the Learning Facilitators Certificate program.

Legal Administrative Assistant (Online)

LEGA 101
Introduction to the Canadian Legal System (30 hours)

The purpose of this course is to provide the student with a general understanding and working knowledge of the Canadian legal system in preparation for working as a legal administrative assistant in British Columbia.

Prerequisite: Online Learner Success, Introduction to Computers, Word Processing 1 and 2, keyboarding speed of of 45 nwpm, Business Communications 1

LEGA 102
Legal Office Procedures (45 hours)

This course introduces the student to the legal profession, including the functions and duties of the legal administrative assistant in British Columbia. Topics covered will include: legal terminology, legal office procedures, precedents, preparation of correspondence and basic legal documents, legal recordkeeping and billing, and citations and references to Acts.

Prerequisite: Online Learner Success, Introduction to Computers, Word Processing 1 and 2, keyboarding speed of 45 nwpm, Business Communications 1

LEGA 103
Litigation Procedures 1 (60 hours)

Litigation Procedures 1 introduces the student to the functions and duties of a legal administrative assistant working in civil litigation in BC. Subjects covered will 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. Litigation 1 will also introduce students to the legal concepts necessary to a basic understanding of the functioning of the courts and the professional environment that they will be entering.

Prerequisite: Online Learner Success, Introduction to Computers, Word Processing 1 and 2, keyboarding speed of 45 nwpm, Business Communications 1

LEGA 104
Litigation Procedures 2 (60 hours)

Litigation Procedures 2 builds on skills and knowledge from Litigation Procedures 1. Subjects covered will include terminology and rules relating to preparing and handling legal correspondence and documents in civil litigation actions and matters in the Supreme Court of British Columbia.

Prerequisite: Introduction to the Canadian Legal System, Legal Office Procedures, and Litigation Procedures 1

LEGA 105
Family Litigation Procedures (60 hours)

Family Litigation Procedures introduces the student to the functions and duties of a legal administrative assistant working in a family law practice in BC. Subjects covered include legal terminology, the applicable provincial and federal statutes, the court system, and the theory and practical application of preparation of legal correspondence, undefended and defended divorces, and separation and marriage agreements.

Prerequisite: The Canadian Legal System, Legal Office Procedures, Litigation Procedures 1

LEGA 106
Corporate Procedures 1 (60 hours)

This course introduces the student to the role and responsibilities of a Legal Administrative Assistant working in the field of corporate law. Through an extensive overview of the various forms of business organizations, this course will cover corporate structure including Sole Proprietorship, Partnership (General and Limited), and Corporations (Private: Non-Reporting, and Public: Reporting) and Corporate Registry. Students will acquire a basic knowledge of the business Corporations Act, learn specialized terminology, and apply practical experience in document preparation, necessary for maintaining records of a British Columbia Corporation. The course will cover incorporation procedures, post corporate procedures and annual maintenance also.

Prerequisite: Introduction to the Canadian Legal System and Legal Office Procedures

LEGA 107
Corporate Procedures 2 (30 hours)

This course is a continuation of the material covered in Corporate Procedures 1 which introduced the student to the role and responsibilities of a Legal Administrative Assistant working in the field of corporate law. This course covers corporate structure and completion of filing forms as it relates to Sole Proprietorship, Partnership, Limited Partnerships, Societies, Cooperatives, Non-Reporting companies and Extra-Provincial Non-Reporting companies. The course also introduces the student to Securities and to BC Online (an internet access to government services and information about BC companies).

Prerequisite: Introduction to the Canadian Legal System, Legal Office Procedures, and Corporate Procedures 1

LEGA 108
Conveyancing Procedures 1 (60 hours)

This course introduces you to the role and responsibilities of a legal administrative assistant employed in the field of conveyancing in British Columbia. Subjects covered will include 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.
Prerequisite: Introduction to the Canadian Legal System and Legal Office Procedures

LEGA 109
Conveyancing Procedures 2 (60 hours)

This course introduces you to the role and responsibilities of a legal administrative assistant employed in the field of conveyancing in British Columbia. This course is a continuation from the material covered in Conveyancing Procedures 1. You will gain knowledge and practical experience in topics such as methods to convey interests in land involving purchaser financing, strata property considerations, builder's 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 Land Title Offices, acting for both the purchaser and mortgagee, and documents for the transfer of manufactured homes.
Prerequisite: Introduction to the Canadian Legal System, Legal Office Procedures, and Conveyancing Procedures 1

LEGA 110
Wills and Estates (60 hours)

This course introduces you to the role and responsibilities of a legal administrative assistant employed in the field of wills and estates in British Columbia. You will gain knowledge and practical experience in preparation of wills and codicils and the documents necessary to apply grants of letters and probate and letters of administration (with and without a will), administration bonds, transferring the deceased's assets, and winding up estates. You will prepare documents acceptable to the probate registry for filing, followed by transmission and distribution of estates. This is a "hands-on" course in which you integrate keyboard, computer, document formatting, and transcription skills, with knowledge of estate law.
Prerequisite: Introduction to the Canadian Legal System and Legal Office Procedures

Management

MNGT 131
Business Mathematics (3,0,0) 3 credits

This course is an introduction to the business applications of financial mathematics. Students will be exposed to a variety of business situations and the mathematical techniques that can be used to solve typical problems. Topics include percentages, ratios and proportions, markup/markdowns, simple and compound interest, periodic payments and present value calculations. The emphasis is on practical problem solving in business rather than on theoretical derivations.
Prerequisite: Admission to the Diploma in Management program

MNGT 143
Introduction to Marketing (3,0,0) 3 credits

This course is designed to provide students with an overall view of the marketing function. They will come to understand the role of marketing in society and its application within organizations. Topics include marketing strategy, market segmentation, planning and implementing and marketing mix (the product, price, channels of distribution, advertising and personal selling functions), and managing and controlling the marketing process.
Prerequisite: Admission to the Diploma in Management or Diploma in Horticulture and Management programs

MNGT 160
Personal Marketing Planning (2,0,0) 2 credits

This course is the first in a series of practica experiences. The purpose of the seminars is to provide students with an opportunity to prepare a career plan, which in turn will assist them in selecting an appropriate fieldwork placement. Students will research an industry of interest and develop a SWOT analysis of themselves as “brands” as well as for the industry. Specific topics include: constructing a personal mission statement, setting goals, identifying target markets, developing career strategies, evaluating alternatives, and preparing an action plan.
Prerequisite: Admission to the Diploma in Management program

Corequisite: MNGT 143

MNGT 161
Consulting & Proposal Writing (2,0,0) 2 credits

This is a hands-on, practical workshop approach designed to enhance your client interview skills and provide foundation knowledge into the writing of a business-consulting proposal. In these workshops, you will be developing the skills and background knowledge needed to complete your management consulting assignment for submission to both public and private agencies.
Prerequisite: MNGT 160

MNGT 170
Introduction to Business (3,0,0) 3 credits

This course is intended to provide students with a basic understanding of business in Canada. Topics include an introduction to the contemporary business environment with a focus on the functions of business including human resources, production, marketing, finance, and international business.
Prerequisite: Admission to the Diploma in Management or Diploma in Horticulture and Management programs

MNGT 210
Introduction to Financial Management (3,0,0) 3 credits

This is an introductory course in managerial finance with an emphasis on the needs of small business. Topics include: the role of the financial manager; financial statement analysis; short-term financial planning; basic working capital management; capital budgeting; risk/return; stock/bond valuation; weighted and marginal cost of capital; operational and financial leverage; the ideal capital structure; financial markets; sources of short-term and long-term capital; and dividend policy.
Prerequisite: MATH 110 or MNGT 131 or equivalent; MATH 120 or MNGT 230 or equivalent

MNGT 230
Business Research and Statistics (3,0,0) 3 credits

This course introduces the student to the basics of business research. Students will gain an understanding of the importance of business research to managers through providing accurate information for decision making. Students gain insight through analysis of several case studies and a group business research project.
Prerequisite: MNGT 143, BBUS 137

Corequisite: MNGT 238

MNGT 238
MIS Applications (3,0,0) 3 credits

This course provides students with an introduction to business software application packages. As financial record keeping is the most important aspect of business reporting, students will gain hands-on experience in maintaining accounting records using software accounting packages. They will also gain familiarity with other business management software applications including financial planning, analysis, presentations, and the internet both as a research and marketing tool.
Prerequisite: ACCT 100, BBUS 137

MNGT 240
Customer Services Marketing (3,0,0) 3 credits

This course tackles the important issues facing customer service providers and customer service managers today. It provides students with: (1) a thorough understanding of the customer service industry, (2) a working knowledge of the current trends and the ability to interpret those trends, and (3) the fundamental abilities and strategies that lead to the successful implementation of customer service. The course will involve lectures, videos, readings, role plays, case studies and group discussions of current issues in services marketing and customer service strategies.
Prerequisite: MNGT 143

MNGT 245
Professional Selling (3,0,0) 3 credits

This course introduces students to contemporary personal selling methods and techniques. It also helps them develop professional sales skills as well as prepare them for entry into the field of selling. Topics include: the role of selling in marketing; communication styles; and planning and making a professional sales presentation following an organized selling process. Students are expected to participate in role-play and simulated selling situations.
Prerequisite: MNGT 143

MNGT 248
Marketing Communications (3,0,0) 3 credits

This course studies the uses of marketing communications in our society with a focus on the creation and management of various promotions. The basis of communications planning is ensuring all contact between the marketer and the consumer and other stakeholder groups are consistent and integrated. Lectures, discussions, exercises and projects are used to develop a greater understanding of the principles and practices of marketing communications.
Prerequisite: MNGT 143

MNGT 266
Practicum 1 – Fieldwork 1 (0,0,6p) 3 credits

In this fieldwork practicum, students will apply course-related principles within a work environment. They will strengthen practical problem solving and communication skills. This work experience component will be supervised and evaluated throughout the term. A pass/fail grade will be submitted by the instructor
Prerequisite: MNGT 161, completion of all other first year courses

MNGT 267
Practicum 2 – Fieldwork 2 (0,0,6p) 3 credits

In this second of two fieldwork practica, students will apply course related principles within a work environment. They will strengthen practical problem solving and communication skills. This work experience component will be supervised and evaluated throughout the term. A pass/fail grade will be submitted by the course instructor.
Prerequisite: MNGT 266

MNGT 270
Entrepreneurship (3,0,0) 3 credits

This course is an introduction to the entrepreneur and the entrepreneurial process from a historical as well as a research perspective. It examines the role and nature of entrepreneurship as a mechanism for creating new ventures, along with career opportunities, and some methods for individual self-assessment. Other topics include starting, financing and managing a new venture. The course uses case studies to examine some special issues for entrepreneurs.
Prerequisite: ACCT 101, MNGT 143, MNGT 210

MNGT 271
Business Strategy (3,0,0) 3 credits

This course focuses on business strategy at both the small business and corporate level. As a capstone course, it draws substantially on interrelated program disciplines and practices. The course utilizes Canadian case studies and a business simulation to examine strategic management, decision making, the environment and other management decision making techniques at the highest corporate level.

Readings, discussions, lectures, individual and group case studies, and a simulation exercise to develop an understanding of the business strategy in use.
Prerequisite: MNGT 143, MNGT 210

MNGT 281
Introduction to Human Resource Management (3,0,0) 3 credits

This course is designed to provide students with an understanding of the human resource management (HRM) function within organizations, including an appreciation of the roles of both HRM specialists and line managers in designing and implementing effective HRM policies and practices.
Prerequisite: BBUS 272

MNGT 293
Commercial Law (3,0,0) 3 credits

This is an introductory course in commercial law. Topics include the basic legal concepts involved in torts, contracts, professional misconduct and liability, intellectual property, commercial transactions, employment law and real estate law. The course uses case studies to integrate the various areas of law covered and to develop the student's analytical and problem-solving skills.
Prerequisite: Admission to the Accounting Technician Diploma, Diploma in Management or Diploma in Horticulture and Management programs

Mathematics

To satisfy a prerequisite for any Mathematics course numbered 100 or higher, a minimum grade of C- must be attained in each prerequisite course. Higher grades are required in some prerequisite courses as noted.

MATH 030
Fundamental Math (8,0,0) 4 credits

ABE – Fundamental: Math 030 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 Preparation Department.

MATH 040
Basic Math Skills (6,0,0) 4 credits

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.
Prerequisite: Completion of MATH 030, or Math 9 or equivalent with a B or better; or placement on the TRU entry assessment tests at an 040 level in Math.

Note: This course is taught by the University Preparation Department.

MATH 050
Introduction to Algebra (6,0,0) 4 credits

ABE – Advanced: An introduction to algebra which begins with a review of basic math skills and includes the topics of integers and rational numbers, solving and graphing linear equations and systems of linear equations, polynomials, factoring, radical expressions and an introduction to trigonometry. Other topics may also be covered.
Prerequisite: Completion of MATH 040, or Math 10 or equivalent, with a C+ or better of EM 11 with a B of better; or placement on the TRU entry assessment tests at an 050 level in Math

Note: This course is taught by the University Preparation Department.

MATH 051
Algebra 2 (6,0,0) 4 credits

ABE – Advanced: An advanced treatment of the topics covered in MATH 050 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.
Prerequisite: Minimum C standing in MATH 050 or Introductory Math 11

Note: This course is taught by the University Preparation Department.

MATH 060
Pre Calculus 1 (6,0,0) 4 credits

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 061 fulfills ABE – Provincial Level (Grade 12 equivalency) requirements.
Prerequisite: Minimum C standing in MATH 051 or Principles of Math 11

Note: This course is taught by the University Preparation Department.

Note: See transfer guide for transferability to other institutions.

MATH 061
Pre Calculus 2 (6,0,0) 4 credits

ABE – Provincial: Builds on topics covered in MATH 060. Also includes complex numbers, arithmetic and geometric sequences and series and an introduction to calculus. Together with MATH 060, fulfills ABE Provincial Level (Grade 12 equivalency) requirements.
Prerequisite: Minimum C standing in MATH 060 or MATH 100

Note: This course is taught by the University Preparation Department.

MATH 100
Pre-Calculus (5,0,0) 3 credits

This course is designed to prepare students for calculus. Topics include functional notation, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, and an introduction to the derivative.
Prerequisite: Principles of Math 12, or MATH 061, or B or better in MATH 060.

MATH 107
Fundamentals of Mathematics for Business and Economics (3,1,0) 3 credits

This course is designed for Business and Economic 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, loans).
Prerequisite: Principles of Math 12 or MATH 100 or MATH 060 (any of them 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 107 may be permitted based on placement test administered (for this exceptional case only) by the Department of Mathematics and Statistics during the first week of classes.

MATH 110
Finite Mathematics with Applications 1 (3,1,0) 3 credits

Intended primarily for Liberal Arts or Education students, MATH 110 is not acceptable for credit in Science. 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: C standing in Principles of Math 11, Applications of Math 12 or MATH 051, or equivalent.

MATH 113
Enriched Calculus 1 (3,1,0) 3 credits

This course covers single-variable differential calculus and its applications in more depth than MATH 114, to provide a strong foundation for further study in mathematical disciplines. It is a required course for students in the Engineering Transfer program.
Prerequisite: A in Principles of Math 12, or admission to the Engineering program

Note: Students who already have credit for MATH 114, MATH 115 or MATH 117 may not take MATH 113 for further credit

MATH 114
Calculus 1 (3,1,0) or (5,0,0) 3 credits

This course covers differential calculus for functions of one variable, with applications emphasizing the physical sciences. Topics include calculation and interpretation of limits and derivatives, curve sketching, optimization and related-rate problems, and Newton's method. The Computer Algebra System "Maple" is introduced as a tool for calculus.
Prerequisite: At least C+ in Principles of Math 12 or MATH 100 within the last two years or at least C+ in MATH 061 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 114 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.

Note: Students who have never studied calculus before, or who barely satisfy the course prerequisites, are advised to register in a section vectored (5,0,0). Students who already have credit for MATH 113, MATH 115 or MATH 117 may not take MATH 114 for further credit.

MATH 115
Calculus for the Biological Sciences 1 (3,1,0) or (5,0,0) 3 credits

This course covers differential calculus for functions of one variable, with applications emphasizing the biological sciences. Topics include calculation and interpretation of limits and derivatives, curve sketching, optimization problems, and Newton's method.
Prerequisite: At least C+ in Principles of Math 12 or MATH 100 within the last two years or at least C+ in MATH 061 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 115 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.

Note: Students who already have credit for MATH 113, MATH 114, or MATH 117 may not take MATH 115 for further credit. Students planning to take second year Mathematics courses are encouraged to enroll in MATH 114 and MATH 124 or MATH 113 and MATH 123.

MATH 117
Calculus for Business and Economics (3,1,0) 3 credits

This course is intended for Business and Economic 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).
Prerequisite: At least C- in MATH 107 or at least C+ in Principles of Math 12 or MATH 100 or MATH 061 (any of them 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 117 may be permitted based on placement test administered (for this exceptional case only) by the Department of Mathematics and Statistics during the first week of classes.

Note: Students who already have credit for MATH 113, MATH 114, or MATH 115 may not take MATH 117 for further credit

MATH 123
Enriched Calculus 2 (3,1,0) 3 credits

This course covers single-variable integral calculus and its applications in more depth than MATH 124, 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 113

MATH 124
Calculus 2 (3,1,0) or (5,0,0) 3 credits

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, arclength, probability, physics, separable differential equations, and series.
Prerequisite: MATH 114, or MATH 113, or MATH 115

Note: Students who already have credit for MATH 125 may not take MATH 124 for further credit. Students planning to take second year Mathematics courses are encouraged to enroll in MATH 114 and MATH 124 or MATH 113 and MATH 123.

MATH 125
Calculus for the Biological Sciences 2 (3,1,0) or (5,0,0) 3 credits

This course covers integral calculus for functions of one variable, with applications emphasizing 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 113, or MATH 114, or MATH 115.

Note: Students who already have credit for MATH 124 may not take MATH 125 for further credit. Students planning to take second year Mathematics courses are encouraged to enroll in MATH 114 and MATH 124 or MATH 113 and MATH 123.

MATH 130
Linear Algebra for Engineers (3,1,0) 3 credits

This course is designed for students in the first year Engineering Transfer program and covers vectors in R2 and R3, linear transformations, matrices and elimination, eigenvalues and eigenvectors and their application to Engineering problems. A computer lab component will be used to explore applications.
Prerequisite: MATH 113 or MATH 114 and admission to the Engineering program.

Corequisite: MATH 123 or MATH 124.

MATH 138
Discrete Structures 1 for Computing Science (3,1,1) 3 credits

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).
Prerequisite: A grade of C+ or better in any of Principles of Math 12, Applications of Math 12, or MATH 061; or B or better in MATH 060, or C+ or better in Physics 12, or instructors written consent

Note: Same as COMP 138. Students who already have credit for MATH 170 may not take MATH 138 for further credit.

MATH 139
Discrete Structures 2 for Computing Science (3,1,1) 3 credits

A continuation of MATH 138, this course introduces further mathematical concepts used in computing science. Topics covered include graph theory in terms of directed graphs, binary trees, languages, grammars, machines, an introduction to proofs and mathematical induction, and algorithm analysis.
Prerequisite: C or better in COMP 138 or MATH 138; or MATH 107, or instructor's written consent

Note: Same as COMP 139. Students who already have credit for MATH 170 may not take MATH 139 for further credit.

MATH 142
Mathematics for Visual Arts (3,1,0) 3 credits

This course will study mathematical concepts and techniques useful in a visual arts context. Topics will include real numbers, ratios, geometry, and perspective.
Prerequisite: Principles of Math 11 or Applications of Math 11 or equivalent.

MATH 154
Technical Mathematics 1 (3,1,0) 3 credits

Topics covered will include trigonometry, 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 Engineering Design and Drafting Technology program.

MATH 164
Technical Mathematics 2 (3,1,0) 3 credits

This is a course in calculus for students in the Engineering Design and Drafting Technology program. The course covers both differentiation and integration, with applications to curve sketching, extreme values and optimisation, related rates, areas, volumes and lengths of curves.
Prerequisite: Admission to the Engineering Design and Drafting Technology program.

MATH 170
Discrete Mathematics 1 (3,1,0) 3 credits

This course is an introduction 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: A minimum grade of C+ in Principles of Math 12 or MATH 100 or a minimum grade of C+ in MATH 061 within the last two years or permission of the instructor.

Note: Students who already have credit for MATH 138 and MATH 139 may not take MATH 170 for further credit.

MATH 190
Principles of Mathematics for Teachers (3,1,0) 3 credits

This course is primarily for students who wish to enter the Elementary Teaching program. Basic mathematical concepts are examined, with emphasis on teaching techniques applicable in the classroom. Topics include measurement, problem solving, number systems, probability, statistics counting theory, functions numeration, exponents, ratios, and interest.
Prerequisite: None

MATH 211
Calculus 3 (3,1,0) 3 credits

The concepts of single-variable calculus are extended to higher dimensions by using vectors or 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.
Prerequisite: MATH 123 or 124 or equivalent; MATH 130 for EECE Year 2 students

Corequisite: MATH 212 recommended if MATH 130 not previously completed

MATH 212
Linear Algebra 1 (3,1,0) 3 credits

This is an introductory course in linear algebra, covering vector spaces, bases and dimension, geometry of n-dimensional space, linear transformations and systems of linear equations.
Prerequisite: MATH 124 or equivalent calculus

MATH 220
Introduction to Analysis (3,1,0) 3 credits

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.
Prerequisite: MATH 124 or equivalent calculus. B- minimum strongly recommended.

MATH 222
Discrete Mathematics (3,1,1) 3 credits

This course is an introduction to discrete mathematical structures and their applications, intended for Computing Science majors especially but not exclusively. Topics include sets, propositions, permutations, combinations, relations, functions, graphs, paths, circuits, trees, recurrent relations, and Boolean algebra.
Prerequisite: MATH 114 and COMP 113, or equivalent

Note: This course is the same as COMP 220 - Introduction to Discrete Structures

MATH 224
Differential Equations 1 (3,1,0) 3 credits

This course deals with ordinary differential equations and related initial-value problems, emphasizing their many applications in science and engineering. Methods are discussed 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.
Prerequisite: MATH 211 and MATH 212

MATH 265
Linear Differential Equations for Engineering (3,1,0) 3 credits

This course introduces engineering students to ordinary differential equations, the Laplace transform and transfer functions, complex numbers, and phasors. Among the topics covered are 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.
Prerequisite: MATH 123 or 124, and MATH 130

Note: Credit will not be given for both MATH 224 and MATH 265

MATH 267
Mathematical Methods for Electrical-Computer Engineering (3,1,0) 3 credits

This course introduces engineering students to various mathematical techniques related to the Fourier Transform. Among the topics covered are 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.
Prerequisite: MATH 211 and MATH 265

Corequisite: MATH 317

MATH 270
Discrete Mathematics 2 (3,1,0) 3 credits

This course is a continuation of discrete mathematics from MATH 170, covering combinatorial arguments and proofs; deriving recurrence relations; generating functions; inclusion-exclusion; functions and relations; countable and uncountable sets; graphs.
Prerequisite: MATH 170 with a minimum grade of C-

Mathematics upper level course note

Note: Most 3rd and 4th year math courses are offered in alternate years.

MATH 300
Complex Variables (3,1,0) 3 credits

This course introduces 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.
Prerequisite: MATH 220 or MATH 317 (both are recommended) or admission to EECE Year 2 program

Corequisite: MATH 317 for EECE Year 2 students

MATH 302
Introduction to Probability (3,1,0) 3 credits

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 211

MATH 303
Introduction to Stochastic Processes (3,1,0) 3 credits

Simple random processes are studied, including discrete and continuous Markov chains, Poisson processes and Brownian motion. Renewal theory is also discussed.
Prerequisite: MATH 302

MATH 307
Linear Algebra 2 (3,1,0) 3 credits

This is a continuation of MATH 212. Topics include 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, bilinear and quadratic forms.
Prerequisite: MATH 212

MATH 308
Geometry (3,1,0) 3 credits

The course begins with the axiomatic development of geometry, briefly exploring possible variations in axioms. This leads to a study of classical Euclidean geometry. Geometric transformations are introduced, with some discussion of their relevance to computer graphics. The course concludes with a look at some non-Euclidean geometries and projective geometry.
Prerequisite: MATH 212

MATH 312
Introduction to Number Theory (3,1,0) 3 credits

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 212

MATH 316
Differential Equations 2 (3,1,0) 3 credits

This course has three parts. The first part examines some 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. The second part deals with Sturm-Liouville boundary-value problems, Fourier series, and other series of eigenfunctions, 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 224

Note: This course is the same as PHYS 312

MATH 317
Calculus 4 (3,1,0) 3 credits

This course is a continuation of MATH 211. 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 211 or equivalent

MATH 320
Real Variables (3,1,0) 3 credits

This course is a continuation of MATH 220. Most or all of the following topics are discussed: theorems of single-variable differential calculus, including the mean-value theorem, Taylor's theorem and the inverse function theorem, Euclidean space and metric spaces, basic topology of metric spaces (neighbourhoods, open sets, connected sets), convergence in metric spaces, compactness, including the Bolzano-Weierstrass and Heine-Borel theorems, and integration.
Prerequisite: MATH 220 (B- minimum strongly recommended) and at least one of MATH 307, MATH 308, MATH 312 and MATH 322

MATH 322
Abstract Algebra (3,1,0) 3 credits

This course introduces the abstract algebraic concepts of rings, fields, integral domains, homomorphisms and isomorphisms, concluding with a brief treatment of groups.
Prerequisite: MATH 212 and at least one of MATH 220, MATH 307, MATH 308 and MATH 312

MATH 340
Introduction to Linear Programming (3,1,0) 3 credits

Algorithms for linear programming are introduced and studied for both theoretical and applied perspectives. Topics include the graphic method, simplex method, revised simplex method, and duality theory, as well as some special linear programming such as network flows and game theory.
Prerequisite: MATH 212

MATH 351
Problem Solving in Applied Mathematics (3,1,0) 3 credits

This course will provide learners with a systematic approach to problem solving. The student will use a variety of analytical techniques to solve problems drawn from various disciplines. The course is of interest to students in any program where numerical problems may occur.
Prerequisite: C or better in any 100 level Mathematics or Statistics course with the exceptions of MATH 100 and MATH 190

MATH 365
Numerical Analysis (3,1,0) 3 credits

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 211, MATH 212

Note: Students who already have credit for COMP 332 may not take MATH 365 for further credit

MATH 370
Introduction to the History of Mathematics (3,1,0) 3 credits

The course will trace the development of numeration, arithmetic, geometry, algebra and other areas of mathematics from their beginnings to their modern forms. The historical development studies will be enhanced by the solution of mathematical problems using the techniques available in the period under study.
Prerequisite: MATH 124 or equivalent

MATH 399
Selected Topics in Mathematics (3,1,0) 3 credits

This course will consider in depth a selection of topics drawn from Mathematics. The particular topics may vary each time the course is offered.
Prerequisite: Six credits of MATH at the 200 level or higher, or permission of the instructor

MATH 441
Modelling of Discrete Optimization Problems (3,1,0) 3 credits

Real-world optimization problems are formulated so that they can be tackled by standard techniques involving linear programming, network flows, dynamic programming and difference equations. Additional techniques may include post-optimality analysis, game theory, Markov chains, and matchings.
Prerequisite: MATH 340

MATH 442
Optimization in Graphs and Networks (3,1,0) 3 credits

Topics include basic graph theory, tree searching algorithms, shortest paths, maximum flows, minimum cost flows, matchings, and graph colouring.
Prerequisite: MATH 340

MATH 443
Introduction to Graph Theory (4,0,0) 3 credits

This introductory course deals mostly with non-algorithmic topics of graphs, including connectivity, Eulerian graphs, Hamiltonian graphs, planarity and Kuratowski's theorem, matchings, graph colouring, and extremal graphs. Applications of graphs are discussed.
Prerequisite: MATH 222 or at least 12 credits of Mathematics courses numbered 200 or above (which can be taken concurrently)

MATH 495
Honours Thesis in Mathematics (0,3,0)(0,3,0) 6 credits

Each student in this course is required to conduct, under the supervision of a member of the Department of Mathematics and Statistics, an individual investigation into some mathematical topic or problem at the advanced undergraduate level, the results of which are to be typed and submitted as an Honours Thesis. The thesis will be defended orally at a public lecture before an examining committee.
Prerequisite: Admission into the Mathematics Honours Program (as part of a B.Sc. or B.A degree) and identification of a supervisor.

MATH 498
Directed Studies in Mathematics - 3 credits

This course is designed to allow students to undertake an investigation on a specific topic as agreed to by the faculty member and the student.
Prerequisite: Permission of instructor

MATH 499
Selected Topics in Mathematics (3,1,0) 3 credits

This course will consider in depth a selection of topics drawn from Mathematics. The particular topics may vary each time the course is offered.
Prerequisite: Six credits of MATH at the 300 level or higher, or permission of the instructor

Medical Laboratory Assistant

MLAP 112
Anatomy, Physiology and Medical Terminology (2,0,0)

In this course the focus is on developing knowledge and comprehension in basic anatomy and physiology, medical terminology, and laboratory measurement units. The emphasis is on medical terminology.

MLAP 113
The Electrocardiogram (1,0,0)

This introductory course covers the theory behind the specific anatomy of the heart, the conductive system of the heart, the electrocardiogram, as well as the diagnostic aspects of the electrocardiogram.

MLAP 121
Professional and Safety Issues (3,0,0)

The main objectives of this course are to clarify the medical laboratory assistant's role in health care, to promote the need for professionalism and to present a positive attitude towards safety in the workplace.

MLAP 131
Laboratory Procedures and Protocols (3,0,0)

This course focuses on specific laboratory procedures and protocols. Topics include specimen collection, specimen handling and distribution, culture media preparation and office and billing procedures.

MLAP 141
Evaluation of Competencies (3,0,0)

Specific technical and non-technical aspects of the MLA's work is evaluated, according to criteria and curriculum supplied by BCSMT. The evaluation will normally be conducted by a medical laboratory technologist in a supervisory position at the clinical facility in which the MLA is employed.

MLAP 151
General Pre-Analytical Specimen Preparation (3,0,0)

This course is designed for the Medical Laboratory Assistant and covers the basic concepts of pre-analytical specimen preparation including Microbiology, Serum Separation, loading specimens on automated instruments, and Urinalysis.
Prerequisite: Graduate of a recognized Medical Laboratory Assistant program or equivalent

MLAP 161
Pre-Analytical Histopathology (3,0,0)

This course is designed for the Medical Laboratory Assistant and covers the basic concepts of pre-analytical Histo-Pathology including: Anatomic Pathology/Histology specimens, preparation for cutting, processing and accessioning. It will also include a Cytology component covering specimen preparation, processing and accessioning.
Prerequisite: Graduate of a recognized Medical Laboratory Assistant program or equivalent

Mental Health

MENT 451
Assessment and Therapeutic Modalities 1 (3,0,0) 3 credits

This interdisciplinary course will provide an overview of foundational concepts that shape mental health practice. Learners will examine historical influences in mental health, theoretical perspectives, and classification systems of mental disorders. The course will also focus on the biological basis of mental illness, and various therapeutic modalities including psychological, social, and pharmacological approaches. The foundational concepts are integrated into an examination of the assessment and care of clients experiencing psychotic and cognitive disorders (including schizophrenia, dementia, and delirium).

MENT 452
Therapeutic Modalities 2 (3,0,0) 3 credits

This interdisciplinary course integrates knowledge from MENT 451 and applies it to specific mental health challenges. The focus is on the assessment and care of clients experiencing personality, mood and anxiety disorders. The care of clients with dual diagnosis and chemical dependency issues is also explored.

MENT 453
Group and Counselling Skills (3,0,0) 3 credits

The focus of this course is to develop competent skills in both group and counselling processes for practical application in the mental health field. Several counselling approaches such as cognitive, behavioural, existential and brief therapy models are presented. Students will be encouraged to examine their values and life experiences influencing their practice with clients and families. The use of groups, development phases, group process and techniques are presented as well as family facilitation/therapy skills. A variety of other related concepts are discussed, such as case management models, implications in therapeutic counselling, influence of the counsellor, stress in the mental health profession, and ethical issues related to suicide.

MENT 454
Mental Health Perspectives (3,0,0) 3 credits

This course will address an array of mental health perspectives, including research, policy and ethics. The research section will review various research approaches, data analysis and the skill of putting evidence into practice. The second section will address legal acts which guide care, such as the Mental Health Act, care models in psychiatry, and policies/standards that influence care. The third section will discuss ethical and sociological influences related to mental health concerns, such as the influence of gender, poverty, the use of alternative health care, spiritual/cultural influences and First Nations' mental health perspectives.

MENT 455
Mental Health Practice - 3 credits

In this three-week full-time practice course, opportunity is provided to consolidate mental health concepts in three distinct practice settings: tertiary care psychiatric setting, community based mental health settings, and agencies focusing on alternate mental health practices. Students will be preceptored with a clinician, with support and guidance from a TRU instructor.

MENT 551
Context and Theory in Child and Youth Mental Health Practice - 3 credits

This course is designed to help orient you to the CYMH curriculum, to help you become better prepared to serve as a child and youth mental health clinician by developing your understanding of the issues and service delivery systems in the field, and to help you design your own personal learning plan.
Prerequisite: Baccalaureate in Social Work, Nursing, Child and Youth Care, or Psychology

MENT 552
Assessment in Child and Youth Mental Health - 3 credits

This course will provide an understanding of assessment issues and approaches relevant to the support of children and youth with mental health concerns and their families. You will be introduced to a range of issues and considerations that guide a thorough and accurate evaluation and diagnosis, and develop an understanding of specific assessment processes and instruments associated with specific conditions.
Prerequisite: Baccalaureate in Social Work, Nursing, Child and Youth Care, or Psychology

MENT 553
Intervention in Child and Youth Mental Health - 3 credits

This course prepares students to develop a comprehensive intervention plan based in the unique strengths and needs of the child and family. Students review evidence-based interventions, essential components of treatment plans, and the principles and steps of intervention planning.
Prerequisite: Baccalaureate in Social Work, Nursing, Child and Youth Care, or Psychology

Microbiology

For additional courses in Microbiology see the Biology section.

MICR 158
Veterinary Microbiology 1 (2,0,2)(L) 3 credits

An introduction to veterinary microbiology. Topics include microbial anatomy and physiology, culture media, antimicrobial susceptibility testing, sterilization and disinfection, mycology and virology.
Prerequisite: Admission to the Animal Health Technology program.

MICR 168
Veterinary Microbiology 2 (0,1,3)(L) 2 credits

The theory and application of laboratory methods
Prerequisite: MICR 158

Music

MUSI 100
Introduction to the Theory of Music 1 (3,0,0) 3 credits

This course will provide the novice instrumentalist or vocalist with an introduction to basic concepts of music theory. Rudiments of rhythm and pitch will be studied through written and aural work. Notation and basic keyboard techniques are also included.
Prerequisite: None

MUSI 101
Introduction to the Theory of Music 2 (3,0,0) 3 credits

This course is a continuation of MUSI 100. Students will be introduced to further concepts of rhythm and pitch with the addition of harmony, form, transposition and score study. Students will continue to develop keyboard techniques.
Prerequisite: MUSI 100

MUSI 115
Music Appreciation 1 (3,0,0) 3 credits

This introductory course is designed to develop the listening skills of students with little or no music background. As the student becomes aware of the basic elements of music, understanding and appreciation of musical styles is enhanced through a chronological survey beginning with Early Music and ending with 18th Century Classicism. Students will be required to do assigned library listening as well as to write reviews of symphony and chamber music concerts.
Prerequisite: None

MUSI 125
Music Appreciation 2 (3,0,0) 3 credits

Students will develop their listening skills by examining the musical styles of the 19th and 20th centuries. Students will be required to do assigned library listening as well as to write reviews on symphony and chamber music concerts.
Prerequisite: None

MUSI 170
Chorus 1 (3,0,0) 3 credits

Weekly rehearsals of chorus repertoire will provide students with vocal and part-singing techniques, large ensemble skills, note-reading skills, and pronunciation of various language texts. Students will be graded on musical proficiency, efficient use of rehearsal time and ability to follow the conductor. There will be aural examinations and a class performance.
Prerequisite: Voice placement interview with instructor on the first day of class. Basic note-reading skills recommended.

MUSI 180
Chorus 2 (3,0,0) 3 credits

This continuation of MUSI 170 will continue in the study of choral techniques culminating with a year-end public performance. Students will be graded on musical proficiency, efficient use of rehearsal time and ability to follow the conductor. There will be aural examinations.
Prerequisite: MUSI 170 or audition.

Native Studies

NAST 050
Introduction to Native Studies (6,0,0) 4 credits

ABE – Advanced: This course provides students with an overview of historical and current social, economic, and political issues concerning Native people.
Prerequisite: None

Note: This course is taught in Williams Lake

NAST 060
An Overview of Major Issues in First Nations Studies (6,0,0) 4 credits

ABE – Provincial: This course provides students an opportunity to explore issues related to the role of elders, women, and leaders in matters pertaining to health, education, justice, and economic development. Topics for research will be generated after an introduction to general literature in the field.
Prerequisite: ENGL 050 or equivalent

Note: This course is taught in Williams Lake

Natural Resource Science

All NRSC and FRST courses are open to non-program students.

Students who do not have specific prerequisites for a course they wish to take, but believe they have equivalent knowledge, may seek permission to enrol from the course instructor.

For related course descriptions see the Forestry course descriptions in this calendar.

NRSC 111
The Science and Management of Natural Resources (2,0,2) 3 credits

The goal of this course is to provide students with an overview of current issues in management of natural resources. It serves as an introductory core course in the Bachelor of Natural Resource Science program, but is tailored for all students with a general interest in natural resources. The lectures and labs in the course provide a general overview of how scientific inquiry and knowledge can be integrated with social, economic and cultural values to provide a basis for development of management strategies. The topics covered span a diversity of resource issues including forestry, soils, rangeland, water, fisheries, wildlife, and entomology. The course is a lecture series, class discussion, and laboratory exercises presented by faculty in the Department of Natural Resource Sciences.

NRSC 112
Dendrology 1 (3,0,2)(L) 3 credits

Dendrology is a survey of the structure, function, ecology, and identification of trees. The lecture component deals with two major areas: 1) the structure and function of trees, i.e., reproduction, development, anatomy, morphology and physiology; 2) the ecology and evolution of trees.

The laboratory surveys a selection of Canadian, North American, and introduced tree species. Deciduous species are emphasized in NRSC 112 and coniferous species in NRSC 122. Field trips are an integral part of the course.
Prerequisite: Biology 11 or BIOL 050, (preferably Biology 12 or BIOL 062)

Corequisite: BIOL 111

NRSC 122
Dendrology 2 (3,0,2)(L) 3 credits

This course is a continuation of Dendrology 1. The laboratory surveys a selection of B.C., Canadian, North American and introduced coniferous tree species.
Prerequisite: NRSC 112

Corequisite: BIOL 121

NRSC 200
Introduction to the Study of Soils (3,0,2)(L) 3 credits

This course surveys the physical, chemical and biological properties of soils. Topics include soil formation, classification, use and conservation. Particular emphasis will be placed on forest soils.
Prerequisite: BIOL 111/121, NRSC 112/122

Corequisite: CHEM 110

NRSC 210
Forest Ecology and Silvics 1 (3,0,2)(L) 3 credits

The main objectives of this course are to facilitate your 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. By the end of this course you will have an understanding and 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 on these systems; the spatial variation in forest ecosystems, methods of describing these variations, and the characteristics of Biogeoclimatic zones in BC, and; the identification and interpretive use of indicator plant species in the description of forest ecosystems.
Prerequisite: NRSC 112/122 or completion of first year general science with NRSC 112 as a corequisite.

NRSC 211
Introduction to Forest Mensuration and Photogrammetry (3,0,2)(L) 3 credits

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 135

Corequisite: STAT 200 or BIOL 300

NRSC 220
Forest Ecology and Silvics 2 (3,0,2)(L) 3 credits

This course examines 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 will also explore 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 112, completion of first year sciences and with NRSC 122 as a corequisite; NRSC 210

Corequisite: NRSC 200

NRSC 223
Geographic Information Systems (2,3,3)(L) 4 credits

This course is an introduction to basic concepts and applications of geographic information systems. The major topics are: spatial analysis systems; applications of GIS on microcomputers to natural resource systems; spatial data entry; data compilation; and map output. Same as GEOG 275.
Prerequisite: P.C. computer skills.

NRSC 300
Diversity and Ecology of the Vertebrates (3,0,3) (L) 3 credits

This course provides an introduction to vertebrate biology for students in the natural resource field. The course has three main themes: animal ecology, comparative anatomy, and the systematics and identification of amphibians, reptiles, birds and mammals. Lectures address the evolutionary ecology of these groups, including the adaptive significance of morphological, physiological and behavioural traits. Key concepts of vertebrate ecology are introduced, such as predator-prey theory, optimal foraging strategy, reproductive success, dispersal, metapopulation theory, and wildlife management. Basic vertebrate anatomy and functional morphology also are covered. Laboratory work involves anatomical dissections and the taxonomic identification of terrestrial vertebrates, particularly those species found in British Columbia.
Prerequisite: An introductory course in ecology or evolution is recommended. Students who have taken BIOL 225 or its equivalent need to contact the instructor prior to registering in the course. Students who have taken BIOL 427 cannot receive credit for this course.

Note: Students who have taken BIOL 225 and/or BIOL 427 cannot receive credit for this course.

NRSC 311
Grassland Ecology (3,0,2)(L) 3 credits

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. Lab will focus on grassland plant identification and characteristics of BC grassland plant communities.
Prerequisite: FRST/NRSC 210 or BIOL 302 or permission of the instructor

NRSC 317
Ichthyology (3,0,3)(L) 3 credits

The systematics, anatomy, physiology, life history and ecology of freshwater and marine fishes. Students will learn to identify local freshwater fishes, as well as representative fish orders from around the world. Same as BIOL 329.
Prerequisite: FRST 210 or BIOL 302

Corequisite: BIOL 303

NRSC 320
Silviculture (3,0,2)(L) 3 credits

This course emphasizes silvicultural concepts and principles as they apply to forest stand and landscape level management. Specific topics will 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. As well, different silviculture systems will be discussed in relation to economics, wildlife, biodiversity, and sustainability. The laboratories are designed as both filed exercises and indoor laboratory sections (including computer modelling). There will also be several field trips dealing with forest nursery operations, woodlot management, and forest operations.
Prerequisite: FRST 200, FRST 210, 211, 220

NRSC 321
Range Management (3,2,0) 3 credits

A course on applied range ecology and range management planning. Lectures will cover such areas as 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 will be used to develop a range management plan.
Prerequisite: NRSC 311

NRSC 322
Wildlife Management (3,0,2) 3 credits

This course emphasizes the use of ecological theory and principles as a guide for wildlife management strategies for game harvest, habitat and species at risk, the conservation of biodiversity, and a better understanding of predator-prey relationships. Lectures will cover areas such as the history of wildlife management, preservation versus conservation biology, population biology, risks of extinction, and the philosophy behind different management practices. In the seminars, students take part in group discussions on current topics and literature in the field of wildlife management. Although this is not a course in field techniques students become exposed to useful methods such as biotelemetry, mark-recapture studies, immobilization, statistical analyses, and mathematical modelling.
Prerequisite: BIOL 300, BIOL 303, NRSC 300 or BIOL 225, FRST 210/220 or BIOL 302

NRSC 325
Natural Resource Field Studies (0,1,8)(0,1,0)(L) 3 credits

This course provides students in the BNRS program with hands-on experience in the field, on a variety of 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. Some field exercises 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 pertinent field trips for other concurrent fourth-year courses in the BNRS program. Some weekend field work is required.
Prerequisite: NRSC 223, NRSC 413, BIOL 300 and fourth year standing in the BNRS program.

Corequisite: NRSC 321/322

NRSC 326
Limnology (3,0,3)(L) 3 credits

Theoretical and applied aspects of limnology. Consideration of the ecology of inland water organisms in relation to physical, chemical and biological factors affecting their interactions and production. One weekend field trip required. Same as BIOL 402.
Prerequisite: FRST 210 or BIOL 302, BIOL 300

NRSC 402
Natural Resource Entomology (2,0,2)(L) 3 credits

Environmental and economic role of insects in forest ecosystems; identification and basic biology of major groups of forest insects; behavioural ecology and population dynamics of major insect pests; introduction to chemical ecology of insects; forest health and beneficial/pest insect balance; introduction to management strategies for major forest insect pests and implications in context of the Forest Practices Code.
Prerequisite: BIOL 303, FRST 210/220

Corequisite: NRSC 320

NRSC 403
Natural Resource Pathology (2,0,2)(L) 3 credits

Pathology deals with the biology (anatomy, morphology, physiology, lifecycles), ecology, identification, and management of diseases. This course will emphasize the common tree diseases of western North American forests, British Columbia in particular. The course will include information on diseases of ornamental trees and common pathogens of animals.

Prerequisite: FRST 210/220, BIOL 303

Corequisite: NRSC 320, NRSC 402, NRSC 413

NRSC 410
Fisheries Management (3,2,0) 3 credits

Topics will include methods of quantitative stock assessment, fisheries regulations, habitat restoration, stocking and government policy. Students will use microcomputers to model recruitment, mortality and yield of various fisheries.

Prerequisite: BIOL 303, FRST 210 or BIOL 302, NRSC 317/326

NRSC 411
Watershed Management (3,2,0) 3 credits

An introduction to the basic principles of wildland hydrology and watershed management. The role of climate, physiography and vegetation in watershed function. The effects of land use on streamflow quantity, timing and water quality. Techniques used in monitoring, and assessing the impacts of land management on the water resource.

Prerequisite: FRST 200/210/220

NRSC 413
Fire Ecology and Management (3,2,0) 3 credits

This course is designed to provide the student with a solid understanding of the importance of fire to ecosystems, communities, species, and human society. The first part of the course will be devoted to understanding what fire is, and how it interacts with the abiotic and biotic environment. In the second part of the course, the focus will shift to the importance of fire in a historical, social and political context. Time also will be devoted to understanding the theory, principles, tools, and organization of fire management, particularly as it applies to British Columbia and other regions of Canada. The basic and foremost goal of this course is to increase the student's awareness of the role of fire in ecosystems.

Prerequisite: BIOL 300 and one of BIOL 211, BIOL 302, FRST 112, or FRST 210. Students in the Natural Resource Science program should take this course in conjunction with NRSC 402 and/or NRSC 403.

NRSC 414
Natural Resource Policy and Planning (3,2,0) 3 credits

This course will focus on land and resource use policies and laws, and their administration in British Columbia, particularly as affected by aboriginal rights and title. It will also provide an overview of specific land and resource policies in British Columbia, and illustrate the policy cycle through teaching the fundamentals of strategic land and resource use planning.

Prerequisite: 3rd year standing in the BNRS program or GEOG 310 or permission of the instructor. NRSC 223 (may be taken concurrently).

NRSC 421
Conflict Resolution in the Natural Resources (2,2,0) 3 credits

An exploration of the principles of conflict and conflict resolution as they are used and applied, with focus in the area of natural resource management. Topics include what conflict is, how it arises, and how consensus is achieved by facilitation, interest-based negotiation and/or 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 also are incorporated into the course. Considerable time is devoted to role-playing exercises, during which students learn from one another as they enact mock conflict situations.

Prerequisite: 4th year standing in the BNRS program

Corequisite: NRSC 411

NRSC 423
Graduating Essay (3,0,0) 3 credits

An essay or technical report completed under the direction of a faculty member. The essay can be a technical review and description of a scientific study or a detailed literature review of a selected subject area appropriate for the BNRS degree program. With permission of the Department one year prior to enroling in the course, students may use data from personal research. Students will be required to make an oral presentation summarizing the essay.

Prerequisite: Final year in the BNRS program

NRSC 424
Research Design, Analysis and Reporting (3,0,2) 3 credits

This course is designed for students in science, although non-science majors may take the course under special permission from the instructor. The course allows senior students to advance their understanding of the basic principles of conducting research, from the initial design of the project, through data collection and analysis, and into the final presentation of the results. Topics covered in lecture and seminar 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 cursory introduction also is provided to more advanced statistical methods that students likely will encounter if they pursue a career in research, such as power-analysis, multi-variate statistical analysis, logistic regression, survival analysis and Bayesian statistics. In the laboratory, students learn to use various types of software, including modelling, statistical analysis, and graphing packages. Students also become familiar with the process of scientific peer-review, through the submission of a research paper to a mock "journal office".

Prerequisite: C+ or higher in BIOL 300 or an equivalent statistical course. A basic competency in statistics and the use of computers is assumed. NRSC 424 is open to senior undergraduates (3rd or 4th year standing) in the Faculty of Science. Senior undergraduates outside of the Faculty of Science may also be admitted to the course upon direct permission from the instructor.

NRSC 425
Tropical Field Studies in Natural Resources (3,3,30)(L) 3 or 6 credits

This course serves to introduce students to the issues, approaches and people involved with natural resource management in a tropical country. Topics covered will depend on the specific destination, but generally include an examination of 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. Enrollment in this course is not restricted to students in the Natural Resource Science department; rather, a diverse study body is desirable, and hence students from a variety of program and disciplines are admissible. However, the size of the class is limited, and all potential students must submit an application in which they explain the relevance of the course to their own studies and interests. It is the responsibility of all students to consult with their program advisor(s) to determine whether they will receive credit for this course. For details on the current offering of the course, including current destination, content, cost, and application procedure, students should contact the instructor by going through the Department of Natural Resource Sciences at TRU.

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 498
Honours Seminar (0,2*,0)(0,2*,0) 2 credits

This course serves to provide honours students with constructive criticism of their thesis research project. It also allows students to explore and discuss topics of particular 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 BNRS Honours program

Corequisite: NRSC 499

*** Denotes seminars run alternate weeks**

NRSC 499
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 498

Nursing

Curriculum is currently undergoing revisions and changes are expected in relation to course offering.

NURS 117
Relational Practice 1: Self and Others (0,3,0) 3 credits

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 BSN program or by special arrangement with instructor

NURS 170
Professional Practice 1: Introduction to the Discipline of Nursing (3,0,0) 3 credits

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 BSN program

Corequisite: NURS 173, NURS 174

NURS 173
Health and Healing 1: Living Health (3,0,0) 3 credits

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/or 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 in this course.

Prerequisite: Acceptance into Year 1 of the BSN program

Corequisite: NURS 170, NURS 174

NURS 174
Nursing Practice 1: Introduction to Nursing Practice (0,3,4p) 3 credits

This course is an opportunity for participants to integrate their learning from other Semester One courses with their beginning 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 BSN program

Corequisite: NURS 117, NURS 170, NURS 173

NURS 180
Professional Practice 2: Introduction to the Profession of Nursing (3,0,0) 3 credits

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: NURS 170

Corequisite: NURS 183, NURS 184

NURS 183
Health and Healing 2: Health Indicators (3,0,0) 3 credits

Building on Health 1, this course focuses on individual, family and community health assessment. Participants will 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: NURS 170, NURS 173, NURS 174

Corequisite: NURS 180, NURS 184

NURS 184
Nursing Practice 2: Coming to Know the Client (2,3,2,8p) 4 credits

This nursing practice experience provides opportunities to develop caring relationships with groups, families and individuals across the lifespan. Emphasis will be 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 the 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 the courses in this semester into their nursing practice.

Prerequisite: NURS 117, NURS 170, NURS 173, NURS 174

Corequisite: NURS 180, NURS 183

NURS 217
Relational Practice 2: Creating Health - Promoting Relationships (3,0,0)

Building on Relational Practice 1, in this course participants move beyond personal discovery to a 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 180, NURS 183, NURS 184

Corequisite: HLSC 259, NURS 273, NURS 274

NURS 218
Nursing Practice 3 (0,2,2,12P) 5 credits

This nursing practice experience provides opportunity to develop caring relationships with people experiencing episodic health care challenges. Experiences include nurses' work in the care of individuals and families in a variety of acute care settings, as well as in the transition from hospital to home.

Prerequisite: NURS 138

Corequisite: NURS 219, HLSC 259

NURS 228
Nursing Practice 4 (0,2,2,12P) 5 credits

This course is a continuation of Nursing Practice 3, with a focus on increasingly complex episodic health challenges. There are opportunities for students to refine their clinical decision-making skills and to explore and utilize the expertise of a variety of health team members.

Prerequisite: NURS 218

Corequisite: NURS 229, NURS 226, HLSC 269

NURS 238
Consolidate Practice Experience 2 (0,0,36P) (4 weeks) 4 credits

In this consolidate practice experience, opportunities are provided to develop caring relationships with individuals and families experiencing increasingly complex episodic health challenges. Participants have opportunities to consolidate learning from the first and second year of the program in a variety of settings.

Prerequisite: NURS 226, 228, 229, HLSC 259, 269

NURS 273
Health and Healing 3: Health Challenges/Healing Initiatives (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 259, NURS 217, NURS 274

NURS 283
Health and Healing 4: Health Challenges/Healing Initiatives (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 259, NURS 217, NURS 273, NURS 274

Corequisite: HLSC 269, NURS 284

NURS 317
Self and Others 3: Reflections on Caring Practice (3,0,0) 3 credits

Building upon theories and concepts from Self and Others 1 and 2, this course enhances participants' everyday relational practice with individuals, groups and families. Through a process of critical inquiry, participants enhance and synthesize their understanding of the world views (phenomenology, feminism, and critical social theory), health promotion, and relational practice as they engage with individuals, families, and groups in their clinical practice.

Prerequisite: NURS 127 or RN Diploma

Corequisite: NURS 318 or practicing RN membership in CRNBC

NURS 318
Nursing Practice 5 (0,3,13P) 5 credits

The focus of this clinical experience is prevention, with participants having opportunities to examine the interaction of prevention and hospital-based care. In addition, participants will have opportunities to experience the nurse's leadership role in client care.

Prerequisite: NURS 238

Corequisite: NURS 319

NURS 319
Health 3: Teaching and Learning for Prevention (0,3,0) 3 credits

The major emphasis of this course is on health teaching for prevention. Participants examine a variety of teaching/learning theories, perspectives, and strategies that underlie meaningful interactions with individuals, families, and groups. They explore and critique primary, secondary and tertiary prevention programs and basic concepts of epidemiology. They examine the nurse' role in prevention and the significance of interdisciplinary collaboration with a variety of contexts.

Prerequisite: NURS 226 and 229

Corequisite: NURS 318

NURS 338
Consolidated Practice Experience: Focus on Hospital-Based Nursing Practice (0,3,33P)(6 weeks) 4 credits

This consolidated practice 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 350/351

NURS 339
Consolidated Practice Experience: Focus on International Nursing (0,3,33P) 4 credits

This consolidated practice experience is designed to provide opportunities for participants to integrate learning from previous semesters and to advance their clinical decision making in an international nursing context. Participants will travel to a selected international site to practice nursing in a variety of settings which may include acute care, community and primary care settings. This course may be taken in lieu of NURS 338 CPE 3.

Prerequisite: NURS 350, NURS 351

NURS 341
Professional Growth: Nursing Inquiry (0,3,0) 3 credits

In this course various modes of nursing inquiry will be addressed. Some of these include scientific, philosophical and historical modes. Relationships between practice, theory, and research will be explored. Past and present contributions to nursing knowledge will be discussed.

Prerequisite: NURS 318 or RN Diploma

NURS 350
Health 4: Health Promotion and Community Empowerment (0,3,0) 3 credits

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 318 or RN Diploma

NURS 351
Nursing Practice 6 (0,3,6P) 4 credits

The focus of this clinical experience is on health promotion with an emphasis on community and multidisciplinary team work. Participants will have an opportunity to identify a health issue and implement a plan of action.

Prerequisite: NURS 318 or RN Diploma

Corequisite: NURS 350

NURS 360
Professional Growth: Nursing Research (0,3,0) 3 credits

The emphasis of this course is to enhance nurses's abilities to participate in the research process through critically reflecting on various research methodologies. The intent of this course is to enhance participants' abilities to comprehend, critique, and utilize nursing research. Participants experience ways to transform personal inquisitiveness into a process of posing, exploring, and answering researchable nursing questions. Participants experience ways to critically examine their practice in relation to nursing research.

Corequisite: NURS 341 or RN Diploma

NURS 380
Introduction: Community Home Health Nursing (Distance) (3,0,0) 3 credits

Nursing 380 emphasizes the development of theoretical knowledge of major concepts and principles underlying community home care nursing practice. A combination of self-directed studies including readings, learning activities, and clinical reflection, along with bi-weekly teleconference seminars, will be the primary modes used to advance the participant's theoretical knowledge underpinning the competent practice of community home care nursing.

Prerequisite: RN Diploma

NURS 381
Community Home Care Nursing Practice (Distance) 3 credits

This two week (70 hour) practicum is designed to offer Registered Nurses the opportunity to develop competencies and skills required by the standards of practice for Community Home Care Nursing Services.

Prerequisite: NURS 380

NURS 402
Introduction to Leadership and Management in Nursing (Distance) (3,0,0) 3 credits

Introduction to Leadership and Management in Nursing is a course intended for registered nurses. Nurses will have the opportunity to explore the key concepts in nursing leadership and management.

Prerequisite: Registered Nurse

NURS 408
Nursing Practice: Transitions - Nursing Practice for Registered Nurses (0,3,5P) 3 credits

Registered Nurses identify an area of specific focus for this nursing practice course and are then provided with opportunities to develop and advance their practice. The area of focus may be a particular setting of practice, a certain client population, or a specific health challenge. In this course, praxis is actualized through practice experiences and participation in seminars.

Prerequisite: NURS 351, NURS 431, RN Diploma

Corequisite: One of NURS 420, 440 or 460

NURS 420
Health Transition: Complex Health Challenges (3,0,0) 3 credits

This course provides opportunities for students to strengthen their knowledge and understanding of theoretical foundations of nursing practice in situations with complex episodic and complex chronic health challenges. Students will explore and critique nurses' health-promoting roles when involved with people with complex health challenges and issues/concepts related to their chosen area of clinical nursing.

Prerequisite: NURS 430 and NURS 431

Corequisite: NURS 421 (408 RN Diploma only)

NURS 421
Nursing Practice 8: Transitions - Complex Episodic Nursing Practice (0,3,18P) 5 credits

This course offers students an opportunity to enhance their knowledge and develop their nursing practice in relation to clients with complex health challenges. This course is intended to facilitate the transition from the student role to entry level professional nurse role. By working with an RN preceptor, students have the opportunity to experience the realities of the graduate nurse role and increase their understanding of the multiple components of health care delivery that are involved in providing quality care for clients.

Prerequisite: NURS 430 and NURS 431, NURS 438

Corequisite: NURS 420

NURS 428
Nursing Practice Transitions: Advanced Nursing Practice for Registered Nurses (0,0,10P) 3 credits

This course provides Registered Nurses with an additional 150 hours of nursing practice in their identified area of focus. The area of focus will be in the same practice setting as NURS 408.
Prerequisite: NURS 408, or NURS 420, 440, or 460, RN Diploma.

NURS 430
Health/Professional Growth: Nurses Influencing Change (0,3,0) 3 credits

This course explores the ways nurses can influence and create change for the promotion of societal health. Emphasis is on selected strategies for enhancing nursing influence on the evolving Canadian health care system.
Prerequisite: NURS 350, NURS 351 or RN Diploma

NURS 431
Nursing Practice 7 (0,3,6P) 4 credits

This nursing practice experience focuses o the actualization of the nurse as a professional. By critically reflecting on practice experiences, participants engage in influencing change for the promotion of societal health within the Canadian health care system.
Prerequisite: NURS 351 or RN

Corequisite: NURS 430

NURS 438
Community Health Nursing (0,3,9P) (13 weeks) 4 credits

The seminar and practice learning experiences are designed to provide opportunities for participants to integrate learning from previous semesters, and to advance their knowledge and professional nursing practice in community health nursing. Participants have opportunities to enhance their learning and apply their clinical decision-making skills in a variety of community health nursing practice settings.
Prerequisite: NURS 350, NURS 351 or RN Diploma

NURS 440
Health Transitions: Community Nursing (3,0,0) 3 credits

This course provides opportunities for students to strengthen their knowledge and understanding of the theoretical foundations of nursing practice in the community. Students will explore nurses' roles in the community from a broad contextual perspective. Participants will have opportunities to explore and critique issues/concepts relevant to their chosen area of community nursing.
Prerequisite: NURS 430, NURS 431, NURS 438 or RN Diploma

Corequisite: NURS 441 (408 RNs only)

NURS 441
Nursing Practice 8: Transitions - Community Health Nursing Practice (0,3,18P) 5 credits

Through a declaration process, students will identify an area of specific focus for this nursing practice course. This course will provide opportunities for students to develop and advance their practice. The area of focus may be a particular setting of practice, a certain client population, or a specific health challenge. In this course, praxis is actualized through practice experiences and participation in seminars. The practice setting will be community.
Prerequisite: NURS 431 and NURS 438 or RN Diploma

Corequisite: NURS 440

NURS 460
Health in Later Life (3,0,0) 3 credits

This course has been designed to give you, the learner, opportunities to increase your understanding related to health in later life. You will examine the changing demographics and political and societal forces influencing the health of older persons. Students in health professions will also be able to integrate this new learning in order to develop clinical skills that will be of value in their practice with elderly persons. Throughout the semester you will be encouraged to examine different perspectives and explore several central issues related to the elderly as you develop an individual philosophy and viewpoint on aging and the health of the elderly. The course will focus on the experience of aging, determinants of health, common health challenges and selected issues related to health in this later life stage.

NURS 461
Nursing Practice 8: Transitions - Gerontological Nursing Practice (0,3,18P) 5 credits

This course provides opportunities for students to enhance their knowledge and develop their practice in relation to nurses' work with older persons. A primary goal of this course is to nurture an appreciation of the experience of health in later life as well as gerontological nursing as a specialty. In addition, for continuing students, this course is intended to facilitate the transition from student role to entry level professional nurse. Students are able to increase their understanding of the multiple components of health care delivery involved in providing quality care for older persons and their families. In this course, praxis is actualized through practice experiences, critical reflection, integration of theory and participation in seminars.
Prerequisite: NURS 460

NURS 486
Issues in Rural Nursing Practice (3,3,0) 3 credits

This course provides opportunities for students to increase their knowledge and application of concepts and theory relevant to populations in rural settings. It will provide the student with the opportunity for in-depth familiarity with the principles of Primary Health Care (PHC) and their application in a rural setting. The student will have the opportunity to develop self-management competencies essential for effective rural practice.
Prerequisite: Admission to the Primary Care/Rural Nurse Specialty Program. Either a BSN, or UVic/BCOU NURS 325 or 341.

NURS 487
Assessment and Management of Health and Illness Throughout the Lifespan (6,3,0) 3 credits

This course will form a theoretical base from which the practitioner can develop sound decision making skills and deliver appropriate nursing care for individuals, families and communities. This comprehensive course will examine health throughout the lifespan including normal growth and development; pregnancy and aging; explore common presentations of illness and current management protocols.
Prerequisite: Admission to the Primary Care Clinical Nursing Program or Coordinator's permission.

NURS 488
Advanced Clinical Skills and Emergency Care (0,3,6) 3 credits

Nursing practice in an advanced clinical setting, treatment centre or community health centre requires that nurses be prepared to make decisions and carry out appropriate treatment or make referral, and be able to provide emergency care and support for critically ill clients and families. This course provides hands-on instructor-supervised skills practice.
Prerequisite: NURS 486, NURS 487; Basic Trauma Life Support; Pediatric Advanced Life Support.

NURS 489
Primary Care Clinical Nursing Practicum (0,0,36) 6 credits

The eight week clinical practicum will provide an opportunity for student experience in the areas of: obstetrics, pediatrics, medical/surgical and emergency. It is expected that clinical placement will include: acute medical surgical; emergency, labour and delivery, pediatrics. Acute care hospitals; sexually transmitted disease clinics; pediatricians' office; and health centres may provide the learning opportunities.
Prerequisite: NURS 486, 487, 488

Philosophy

PHIL 101
Introduction to Philosophy: Pre-Socratics to Hume (3,0,0) 3 credits

PHIL 101 is a general introduction to philosophy using a historical approach. The course covers this period from before Socrates up to the French Revolution. Major philosophers covered include Plato, Aristotle, Aquinas, Descartes, Locke, and Hume. Major questions include: What is the good life? Does God exist? What is the relationship between mind and body? What is knowledge and how is knowledge possible? What is the basis for law and government? What is the nature of reality?
Note: Students may take at most two of PHIL 101, PHIL 102, or PHIL 110. Students who have taken PHIL 121 may not receive credit for this course.

PHIL 102
Introduction to Philosophy: 1784 - Present (3,0,0) 3 credits

PHIL 102 is a general introduction to philosophy covering the period from the late Enlightenment to the present day. Major philosophers covered include Kant, Marx, Darwin, Mill, Nietzsche and Sartre. Major topics include: is there progress in history? what role does conflict play in human development? what are the origins of our moral ideas? what rights do individuals have? does life have a meaning?
Note: Students may take at most two of PHIL 101, PHIL 102, or PHIL 110. Students who have taken PHIL 122 may not receive credit for PHIL 102.

PHIL 110
Introduction to Philosophy: Problem and Themes (3,0,0) 3 credits

PHIL 110 is a general introduction to philosophy. Some questions typically covered 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 will be taken from classic and/or modern texts.

Note: Students may take at most two of PHIL 101, PHIL 102 or PHIL 110.

PHIL 111
Introduction to Critical Thinking (2,1,0 or 3,0,0) 3 credits

This course helps students distinguish between good and bad reasoning. The student is 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 will be given to representing the logical structure of arguments and deciding their validity or invalidity.

Prerequisite: None

PHIL 201
Introduction to Ethics (HUM) (2,1,0) 3 credits

Ethics is the philosophical examination of "the good life", or of what kind of life is most worth living. It is also the study of the values by which we live, and the values of others. As well as dealing with questions of right and wrong (morality), ethics deals with the place of morality in life as a whole, and the question of whether life has a meaning. In particular, ethics deals with both the nature and origin of morality, and to what extent being moral is necessary to living a good life.

Prerequisite: Second year standing. Students who received credit for PHIL 211 from 1993 to 1996 are not eligible to receive credit for this course.

PHIL 210
Introduction to Ancient Philosophy (3,0,0) 3 credits

This course introduces students to the most important philosophers of the Western ancient world, including Plato and Aristotle, as well as Epicureanism and Stoicism.

Prerequisite: Second-year standing

PHIL 214
Foundations of Philosophy: Epistemology (3,0,0) 3 credits

PHIL 214 is an introduction to philosophical theories of knowledge. Topics typically include: What can we know? How can we distinguish knowledge from belief? What degree of certainty is possible or desirable? How do we learn? The course covers classic theories such as Descartes and Locke and may include contemporary theories as well.

Prerequisite: None. PHIL 101, 102 or 110 recommdended.

Note: Students who have taken PHIL 212 may not receive credit for PHIL 214.

PHIL 215
Foundations of Philosophy: Metaphysics (3,0,0) 3 credits

PHIL 215 is an introduction to philosophical theories of reality. Topics typically include: appearances and and reality; free will and determination; mind and body; being and substance; the nature of time and space. The course covers classic theories such as Plato or Hume and may include contemporary theories as well.

Prerequisite: None. PHIL 101, 102 or 110 recommended.

Note: Students who have taken PHIL 212 may not receive credit for PHIL 215.

PHIL 221
Contemporary Moral Issues (HUM) (2,1,0) 3 credits

This course examines such contemporary moral issues 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 will be examined and applied to contemporary problems.

Prerequisite: Second year standing. Students who received credit for PHIL 211 from 1993 to 1996 are not eligible to receive credit for this course.

PHIL 222
Elementary Formal Logic (2,1,0) 3 credits

Introduction to contemporary symbolic or formal logic. The course will examine both sentential and predicate logic through the development of a system of deduction based upon semantic tableau techniques and natural deduction. Syntax and semantics will be discussed at an elementary level. Translation of natural language arguments into the formal logic for analysis will be done.

PHIL 224
Philosophy of Computing and Technology (2,1,0) 3 credits

This course is an introduction to the philosophical ramifications of computers, technology and information in the modern world. Our examination may include ethical, metaphysical, epistemological, social, scientific and political elements. Possible topics examined: privacy, copyright, encryption, liberty, access to information, and censorship.

PHIL 229
Philosophy of Emotions (HUM) (3,0,0) 3 credits

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. Some of the issues considered include the relation of emotions to perception and action, the relation of emotions to reason, the role of feeling in moral judgement, and the role of emotions in understanding art. We will also consider specific emotions, such as love or jealousy, and look at the ideology or social function of those emotions. Finally, we will consider emotions from a biological view, as either adaptive responses, or forms of escape.

Prerequisite: Second year standing

PHIL 231
Health Care Ethics (3,0,0) 3 credits

This course examines the ethical role of the health care provider within the Canadian health care system. This course will critically assess a selection of ethically problematic situations with which the health care provider must routinely deal. Some of the issues considered 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 will be taken up in light of our exploration of moral theory, common ethical principles, and methodologies arising from interdisciplinary bioethics.

Prerequisite: None

PHIL 238
Philosophy and Pop Culture (3,0,0) 3 credits

A critical examination of various aspects in ethics, metaphysics, epistemology and socio-political philosophy using popular cultural elements and including film, television, books, comics, etc.

Prerequisite: Second-year standing

PHIL 239
Philosophy of Rock Music (3,0,0) 3 credits

PHIL 239 explores 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. The course considers the social and artistic value of rock music; the distinctive features of rock music; the history of rock music.

Prerequisite: Second-year standing

PHIL 240
Understanding Scientific Reasoning (2,1,0) 3 credits

The curriculum used in this course presents a simple but rich theory of causation, distinguishes causation from association, presents the obstacles to establishing causal claims from statistical data and explores strategies for doing so. The goal of the course is to prepare students to be good critical consumers of newspaper "studies" relevant to medical or social policy, or to equip students going on to more rigorous courses in statistical methods with an appropriate scientific framework within which to place such methods.

Note: 2nd year standing recommended

PHIL 301
Moral Theory (3,0,0) 3 credits

The continuation of PHIL 201 and/or PHIL 221. This course is the advanced study of various systems of ethics and moral theories. Philosophers covered include Aristotle, Mill, Kant, and Rawls. Some of the theories or ideas addressed include ethical egoism, the morality of care, existentialist ethics, and moral relativism.

Prerequisite: One of PHIL 201 or PHIL 221 and 3rd or 4th year standing

PHIL 310
Ancient Philosophy (3,0,0) 3 credits

This course deals intensively with 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 101, 102, 110 or 210

PHIL 314
The Rationalists (3,0,0) 3 credits

The development of Continental European philosophy during the 17th century, with emphasis on the writings of Descartes, Spinoza and Leibniz; the influence of religion and science on the philosophical thought of the period.

PHIL 315
The Empiricists (3,0,0) 3 credits

British philosophy in the 17th and 18th centuries, with emphasis on the writings of Locke, Berkeley and Hume.

PHIL 316
Modern European Philosophy (3,0,0) 3 credits

PHIL 316 looks at some of the more significant or formative ideas in nineteenth and twentieth century European philosophy. Areas of emphasis change from year to year, but at various times will include: existentialism, phenomenology, Marxism, psychoanalysis, Critical Theory, structuralism, deconstructionism, the new historicism, post-modern theory. Authors studied will include: Feuerbach, Marx, Kierkegaard, Nietzsche, Freud, Heidegger, Lévi-Strauss, Sartre, Lacan, Levinas, Lukacs, Adorno, Marcuse, Gadamer, Habermas, Foucault, Althusser, Deleuze, Derrida, Baudrillard and Lyotard.
Corequisite: Third year standing in the B.A. program.

PHIL 317
Topics in Continental Philosophy (3,0,0) 3 credits

PHIL 317 provides an in-depth study of a major philosopher, school or work within the Continental tradition and serves to complement PHIL 316 (Modern European Philosophy). Topics will change from year to year, and would typically include thinkers such as Simone de Beauvoir, Luce Irigaray, G.W.F. Hegel, Martin Heidegger, Michel Foucault and Gilles Deleuze; schools and tendencies would include structuralism, deconstruction, feminism, the Frankfurt School and Phenomenology.
Prerequisite: Any one of PHIL 101, 102 or 110

PHIL 321
Feminist Philosophy (3,0,0) 3 credits

This course examines a wide range of feminist philosophical thought. Because it can differ dramatically from the traditional philosophical approach, the feminist approach to philosophical questions will be discussed. Some of the topics covered in the course include gender-role socialization, gender equality, racism, radical feminism, maternal thinking, caring and the men's movement.
Prerequisite: 3rd or 4th year standing in Arts

PHIL 322
Logic (3,0,0)(L) 3 credits

A continuation of PHIL 222. A system of deduction for first order predicate logic is selected for further study. Completeness of this system and other metatheoretic results are proved. Other topics may include computability, recursive function theory, incompleteness and decidability.
Prerequisite: None. PHIL 222 is strongly recommended.

PHIL 330
Moral and Political Philosophy 2 (3,0,0) 3 credits

The continuation of Philosophy 201, Introduction to Ethics. Topics in political philosophy, including theories of political and legal obligation and authority, legal reasoning, society and the state. Readings in classic and contemporary texts.

PHIL 339
Philosophy of Art (3,0,0) 3 credits

The arts and their relation to society. Problems examined usually include art and perception, art and reality, imagination, expression, censorship, and the role of art in human life.

PHIL 349
Philosophy of Religion (3,0,0) 3 credits

This course looks at some central religious problems 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 others have put forward in trying to answer them.

PHIL 350
Metaphysics (3,0,0) 3 credits

The continuation of PHIL 215. 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: PHIL 215 and 3rd or 4th year standing.

Note: Students who have taken PHIL 340 may not receive credit for PHIL 350.

PHIL 360
Epistemology (3,0,0) 3 credits

The continuation of PHIL 214. This course is the study of knowledge and certainty. Central themes include theories regarding how we attain knowledge, theories about what constitutes the truth, how we discriminate between opinion, belief, and knowledge, and the challenge of scepticism.
Prerequisite: PHIL 214 and 3rd or 4th year standing

PHIL 375
Philosophy and Literature (3,0,0) 3 credits

PHIL 375 looks at philosophical themes in literature, philosophy of literature, and other areas where philosophy and literature overlap. Areas of emphasis change from year to year.
Corequisite: Third year standing in the B.A. program.

PHIL 410
Topics in Ancient Philosophy (3,0,0) 3 credits

This course is to be a detailed study of a figure, school, or theme important to the understanding of Ancient Philosophy. The material of this course will vary from one offering to the next, and will deal with subjects not covered in other courses devoted to the ancient period. Examples of possible topics include "The influence of Aristotle", "The Stoics", and "The Problem of Non-Being in Ancient Philosophy".
Prerequisite: PHIL 210

PHIL 416
Topics in Nineteenth-Century Philosophy (3,0,0) 3 credits

Intensive study of Kant or of a major nineteenth century philosopher such as Hegel, Mill or Nietzsche, or of a school, such as German idealism. Topics vary from year to year.

PHIL 418
Topics in Twentieth-Century Philosophy (3,0,0) 3 credits

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.

PHIL 419
Philosophy of History (3,0,0) 3 credits

This course studies the major philosophical theories of history, from Kant to the present. The ideas of historical progress, freedom and determinism, the role of the individual in history, the problem of understanding past events, the role of social structures, and history as a critique of the present, will be considered.

PHIL 430
Philosophy of Law (3,0,0) 3 credits

The course deals with various topics in law from the basic "What is law?" to specific issues in law, such as "What are rights?" Of primary importance 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

PHIL 433
Biomedical Ethics (3,0,0) 3 credits

An investigation into various ethical problems and concerns which arise in the health sciences, especially in medicine, considered both concretely and in relation to general ethical theory. Among the problems are 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. No philosophical background is required.

PHIL 435
Environmental Ethics (3,0,0) 3 credits

A study of moral problems arising in the context of human relationships to nature and to non-human living things. Principal among these problems are: the general issue of what constitutes moral standing itself, 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.

PHIL 439
Philosophy of Sex and Love (3,0,0) 3 credits

This course philosophically examines the physical and emotional behaviors and attitudes arising in human romantic relationships. We will look at both classical (Plato, Aristotle, Aquinas, etc.) and contemporary (including feminist, legal, and contemporary writers) answers to the moral and ontological questions concerning, among other things, the nature of love, "traditional" marriage, coupling, monogamy, prostitution, homosexuality, and gay/lesbian marriage.
Prerequisite: None

PHIL 440
Philosophy of Science (3,0,0) 3 credits

This course examines philosophical questions common to all sciences. These questions include the nature of scientific knowledge and laws; hypotheses and explanation; principles, theories, and models; the formation of scientific concepts; the nature of scientific confirmation, casuality, explanation and prediction, and the use of logic and probability.
Prerequisite: 3rd or 4th year standing

PHIL 451
Philosophy of Mind (3,0,0) 3 credits

The concepts of the mental and the physical, the relationship between minds and bodies, problems of determining the meanings of statements about mental events.
Prerequisite: Acceptance into the B.A. program plus 6 units of philosophy, or instructor's written permission

PHIL 491
Selected Topics in Philosophy (3,0,0) 3 credits

This course will carry out a focused and detailed study of a specific topic or movement in philosophy or a particular philosopher. The focus of the course will change from year to year, and the course will be subtitled with the topic for a specific offering. A student may take this course twice providing the subtitle is different.
Prerequisite: Third or fourth year standing and at least one lower level philosophy course, and/or the permission of the instructor.

PHIL 492
Selected Topics in Ethics (3,0,0) 3 credits

This course is an in-depth critical investigation of a particular ethical issue (e.g., abortion, capital punishment, or war), a particular ethical school (e.g., Deontology, Virtue Ethics, Utilitarianism) or a particular ethicist (e.g., Sedgwick, J.S. Mill, Feinberg). Topics may change from year to year.
Prerequisite: 3rd or 4th year standing

Physical Education

PHED 100
Biodynamics: The Analysis of Performance in Individual Sports (3,1,0) 3 credits

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 will be included with an introduction to the appreciation of movement patterns in sport.
Prerequisite: None

PHED 110
Basketball (1,2,0) 3 credits

The course focuses on industrial and coaching techniques associated with the sport. The development of fundamental individual and team skills will also be an integral part of the course. Offensive and defensive skills and strategies will be central to the course. Each student will be provided an opportunity to learn how to instruct/coach other students in the skills as well as learn the specific skills.
Prerequisite: None

PHED 112
Outdoor Activities (3,0,0) 3 credits

An introduction to a variety of outdoor pursuits like rock climbing, kayaking, hiking, survival and mountain biking. Due to the varying levels of risk associated with outdoor activities participants will be required to sign the Department of Physical Educations informed.
Prerequisite: None

PHED 114
Aquatics (3,0,0) 3 credits

This course emphasizes the knowledge and skills associated with aquatic activity. Water safety, principles of buoyancy and water activities, stroke analysis and development are major focus for the semester. Students also have an opportunity to work toward a number of senior swimming levels.
Prerequisite: None

Note: It is recommended that students enrolling in this course be able to swim 200 meters.

PHED 116
Soccer (3,0,0) 3 credits

This course focuses on instructional and coaching techniques associated with the sport. The development of fundamental individual and team skills will also be an integral part of the course. Offensive and defensive skills and strategies will be central to the course. Each student will be provided an opportunity to learn how to instruct/coach other students in the skills as well as learn the specific skills.
Prerequisite: None

PHED 119
Volleyball (3,0,0) 3 credits

The course focuses on instructional and coaching techniques associated with the sport. The development of fundamental individual and team skills will also be an integral part of the course. Offensive and defensive skills and strategies will be central to the course. Each student will be provided an opportunity to learn how to instruct/coach other students in the skills as well as learn the specific skills. An opportunity will arise for students to also analyze TRU volleyball matches as part of an advanced component.
Prerequisite: None

PHED 123
Conditioning (3,0,0) 3 credits

The course will involve a discussion of the basic principles for health and skill-related fitness. It will provide a basic understanding of the physiological basis for conditioning programs applicable to competitive sport. A discussion of fitness assessment will also be covered in this course.
Prerequisite: None

PHED 124
Golf (3,0,0) 3 credits

The course focuses on instructional and coaching techniques associated with the sport. The development and analysis of fundamental individual skills will be an integral part of the course. Each student will be provided an opportunity to learn how to instruct/coach other students in the skills as well as learn the specific skills. Golf concepts and strategy will also be introduced in this course.
Prerequisite: None

PHED 128
Games, Contests and Relays (3,0,0) 3 credits

Individual, pairs, teams and group activities will be taught. Each student will be required to invent and teach an activity with the focus on teaching and ways to make incremental and rule changes for each. This course is an excellent preparation for students wishing to become teachers and recreationalists.
Prerequisite: None

PHED 200
The Analysis of Performance in Team Sports (3,1,0) 3 credits

An examination of the structure, analysis and instruction of team performance. Selected team sports will be used as models of analysis. Topics include the study of the common elements in team sports, and an examination of analysis methods and procedures.
Prerequisite: None

PHED 211
An Introduction to the Study of Sport (3,0,0) 3 credits

This course examines the nature and development of sport through an analysis of historical, academic and popular literature.
Prerequisite: None

PHED 212
Biodynamics of Physical Activity (2,0,2) 3 credits

An introductory examination of the mechanical, anatomical and physiological bases of human physical performance.
Prerequisite: None

PHED 213
Sport in Canadian Society (3,0,0) 3 credits

This course looks at a historical and theoretical analysis of sport in Canadian Society. Awareness of the role played by physical education and sport in society and the societal changes that influence sport development will be studied.
Prerequisite: None

PHED 214
Psychology of Sport and Physical Activity (3,0,0) 3 credits

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 215
Exercise Physiology (2,0,2) 3 credits

An introduction to the basic components of physiology as they apply to health, fitness and exercise. Study 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.
Prerequisite: BIOL 169 or permission from the instructor

PHED 221
The Dynamics of Motor Skill Acquisition (3,0,0) 3 credits

An introduction to the examination of motor skill acquisition, the variables which influence the learning and performance of motor skills, and the relationship between skill acquisition and growth and development.
Prerequisite: None

PHED 284
Physical Growth and Motor Development (3,0,0) 3 credits

Students will 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 will be studied.
Prerequisite: PHED 221

Physics

PHYS 050
Introduction to Physics 1 (5,0,2) 4 credits

ABE – Advanced: This course is suitable for students with little or no physics background. Physics 050 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.
Prerequisite: MATH 050

Note: This course is taught by the University Preparation Department.

PHYS 060
Introduction to Physics 2 (5,0,2) 4 credits

ABE – Provincial: This course is an in-depth study of the principles of scientific measurement, vectors, two-dimensional kinematics and dynamics, electrostatics, electromagnetism, vibrations and waves and optics. Physics 060 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.
Prerequisite: PHYS 050 or Physics 11 and MATH 051 or Principles of Math 11

Note: This course is taught by the University Preparation Department.

Physics Note

NOTE: Placement in Physics courses is based on previous background. For progress into third-year physics, see the Physics Upper Level Note (on page 288).

Students cannot receive credit for both PHYS 110 and 115 or for both PHYS 120 and 125.

PHYS 110
Fundamentals of Physics 1 (3,0,3)(L) 3 credits

A survey course for students with some secondary school physics background. Topics covered include mechanics, fluid mechanics, waves and heat.
Prerequisite: Principles of Mathematics 12 or MATH 061, Physics 11 or PHYS 113 or equivalent

Corequisite: MATH 113 or 114 or 115

PHYS 113
Introductory Physics 1 (3,0,3)(L) 3 credits

A survey of physics at an introductory level for students with little or no background in the subject. Topics covered are mechanics, vibration, heat, optics and fluids.
Prerequisite: Principles of Mathematics 11 or MATH 051 or equivalent or PHYS 050

Note: PHYS 113 can be taken to partially fulfill the science requirements in the B.A. Program.

PHYS 115
Mechanics and Waves (3,0,3)(L) 3 credits

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.
Prerequisite: Principles of Mathematics 12 or MATH 061 or MATH 100, Physics 12 (or PHYS 113 with an A and consent of the instructor)

Corequisite: MATH 113 or 114

Note: PHYS 115/125 is 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 120
Fundamentals of Physics 2 (3,0,3)(L) 3 credits

A continuation of PHYS 110. Topics covered include electricity and magnetism, optics, and selected topics from nuclear physics and modern physics.
Prerequisite: PHYS 110; MATH 113 or MATH 114 or MATH 115

Corequisite: MATH 123 or 124 or 125

PHYS 125
Thermodynamics, Electricity and Magnetism (3,0,3)(L) 3 credits

This course is a continuation of PHYS 115. Topics covered include thermodynamics, kinetic theory of gases, electricity and magnetism.
Prerequisite: PHYS 115, MATH 113 or 114

Corequisite: MATH 123 or 124

PHYS 151
Applied Physics 1 (3,0,2)(L) 3 credits

This course gives a basic introduction to the following concepts: motion, force, friction, equilibrium, energy, momentum, simple machines and dc circuit analysis. Circular motion and rotation will be considered as well as linear motion.
Prerequisite: Admission to the Engineering Design and Drafting Technology Program

PHYS 157
General Physics for Respiratory Therapists 1 (3,0,3)(L) 3 credits

The basic physical concepts of mechanics, electricity and magnetism, and the properties of solids, liquids and gases will be covered. Topics include: wave motion, sound, optics, basic electronics, elementary atomic physics and radiation physics. Emphasis is placed on laboratory work, particularly the use of electric and electronic measuring devices.
Prerequisite: Admission to the Respiratory Therapy Technology program, Principles of Mathematics 12 or MATH 060, Physics 11 or PHYS 050, or PHYS 113

PHYS 161
Applied Physics 2 (3,0,2)(L) 3 credits

In a continuation of PHYS 151, the following topics are covered: strength of materials, fluid statics and dynamics, thermal energy and heat transfer, vibrations and wave motion, optics.
Prerequisite: Admission to the Engineering Design and Drafting Technology Program

PHYS 167
General Physics For Respiratory Therapists 2 (3,0,3)(L) 3 credits

A continuation of PHYS 157.
Prerequisite: Admission to the Respiratory Therapy program. PHYS 157, MATH 120.

PHYS 200
Relativity and Quanta (3,1,0) 3 credits

Special relativity: Lorenz transformations; dynamics and conservation laws. Quantum Physics: the experimental evidence for quantization; a qualitative discussion of the concepts of quantum mechanics and their application to simple systems of atoms and nuclei. This course is the same as CHEM 200.
Prerequisite: PHYS 110/120 or PHYS 115/125, MATH 113/123 or MATH 114/124 or MATH 115/125

Note: Credit will not be given for both CHEM 200 and PHYS 200

PHYS 215
Circuit Analysis (3,1,3)(L) 3 credits

Analysis of linear electrical circuits, network theorems, first and second order circuits and transfer functions.
Prerequisite: PHYS 110/120 (with written permission of the Instructor) or PHYS 115/125, MATH 113/123 or MATH 114/124 or MATH 115/125 (with permission of the instructor)

PHYS 220
Mechanics (4,0,0) 3 credits

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 110/120 or PHYS 115/125; MATH 211

PHYS 225
Intermediate Electromagnetism (3,0,3)(L) 3 credits

This course extends the topics covered in PHYS 120/125 and examines the basic principles of electromagnetism using a more sophisticated mathematical approach. Topics include vector algebra, electrostatics, magnetostatics, electric and magnetic fields in matter, as well as an introduction to electrodynamics. The course will be presented using lectures and laboratory experiments.
Prerequisite: PHYS 110/120 or PHYS 115/125; MATH 113/123 or MATH 114/124 or MATH 115/125 (with permission of the instructor)

Corequisite: MATH 211

Physics Upper Level Note

To enter third-year Physics at TRU, the student should complete one of the following sequences with grades of C- or better and meet with the B.Sc. Program Advisor, Dr. Eric Littley:

(a) PHYS 110/120, PHYS 200, PHYS 215, PHYS 220 and PHYS 225

(b) PHYS 115/125, PHYS 200, PHYS 215, PHYS 220 and PHYS 225

and complete COMP 100 or the preferred COMP 113 in the first two years.

Most upper level Physics courses are offered in alternating years. Check with the B.Sc. Program Advisor, Dr. Eric Littley, for availability in any particular year. It is the student's responsibility to check transfer requirements at any university to which they intend to transfer.

PHYS 308
Optics (3,0,3) 3 credits

Physical optics: Interference, diffraction, polarization, Fourier optics, Abbe theory and modern applications. Selected experiments in optics.
Prerequisite: PHYS 225

PHYS 309
Analog Electronics (0,2,3)(L) 3 credits

This laboratory course introduces students 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 215

PHYS 310
Digital Electronics (0,2,3)(L) 3 credits

This laboratory course introduces the 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 the software LabView 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 215

PHYS 312
Introduction to Mathematical Physics (3,1,0) 3 credits

This course has three parts. The first part examines some 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. The second part deals with Sturm-Liouville boundary-value problems, Fourier series, and other series of eigenfunctions, 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 224

Note: This course is the same as MATH 316. Credit will be only given for one of PHYS 312 and MATH 316.

PHYS 314
Fluids (3,0,0) 3 credits

Kinetic theory: particle flux, the equation of state, Boltzmann statistics, the Maxwell distribution, equipartition, mean free path, transport. Fluid mechanics: Euler's equation, the equation of continuity, hydrostatics, steady flow, the Bernoulli equation, the one-dimensional approximation, flow of viscous fluids, the energy equation, flow in pipes, flow over immersed bodies, open channel flow. Water waves: description, the dispersion relation, capillary and gravity waves.
Prerequisite: PHYS 220

Corequisite or prerequisite: MATH 224

PHYS 315
Physics of Materials (3,0,0) 3 credits

Bonding in solids, crystal structure, defects, strength of materials, strength of perfect and real metals, heat capacity, lattice vibrations and phonons, electrical properties of solids, band theory, semiconductors, liquid crystals, and polymers.
Prerequisite: PHYS 200 or CHEM 200; MATH 211

PHYS 316
Classical and Statistical Thermodynamics (3,0,0) 3 credits

This course introduces the principles of elementary classical thermodynamics, kinetic theory, and statistical mechanics. The theories are then applied to a variety of physical processes and systems, such as ideal and real gases, heat engines, and quantum systems.
Prerequisite: PHYS 110/120 or 115/125; MATH 113/123 or MATH 114/124; MATH 211

PHYS 320
Advanced Mechanics (3,0,0) 3 credits

The object of this course is to extend the concepts studied in PHYS 220. 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 220, MATH 211, MATH 212, MATH 224 and MATH 317

PHYS 325
Advanced Electromagnetism (3,1,0) 3 credits

The objective of the course is to provide students with a working knowledge of electrodynamics. This requires a solid grounding in vector calculus, partial differential equations, and an in-depth understanding of Maxwell's equations. Topics covered include: review of vector calculus; Laplace's equation; potential theory; electrostatics and magnetostatics in matter; electrodynamics; special relativity and electromagnetism.
Prerequisite: PHYS 225, MATH 224 and MATH 317

PHYS 330
Biophysics (3,0,3*)(L) 3 credits

This course examines how basic principles of physics apply to actions, body design and physical limitations of animals, mainly vertebrates. The topics will include physical concepts of forces, materials structure, fluid mechanics, light and sound, and electricity and magnetism. These topics will be 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 110/120 or 115/125; BIOL 109 or 111 or 121 (BIOL 121 preferred)

PHYS 340
Principles and Applications of Quantum Mechanics 1 (3,0,0) 3 credits

This course aims to build on the basic concepts of quantum physics encountered in PHYS 200 and develops a formulation of quantum mechanics using initially the wave mechanical approach and then more formally using the state-vector approach. Finally, the theory is applied to one-electron atoms, and other quantum systems.
Prerequisite: PHYS 200; MATH 224; MATH 317

PHYS 350
Selected Topics in Physics (3,0,0) 3 credits

This course introduces the students to current topics in Physics. The course content will vary from year to year but could include topics such as: nanotechnology, superconductivity, photonics, semiconductor physics and optoelectronics.
Prerequisite: Will vary from year to year but will typically consist of a combination of second-year courses in Physics and Mathematics; consult the B.Sc. Program Advisor, Dr. Eric Littley, for specific prerequisites for each offering

PHYS 414
Radioactivity/Nuclear Physics (3,0,0) 3 credits

A survey of basic concepts of nuclear physics with applications in power, medicine, geology, industry, archaeology, cosmology.
Prerequisite: PHYS 200 or CHEM 200, PHYS 225 and MATH 224

PHYS 440
Principles and Applications of Quantum Mechanics 2 (3,0,0) 3 credits

This course is a continuation of PHYS 340. It starts with a review of angular momentum and spin and the hydrogen atom. It then proceeds to examine some standard techniques that find wide applications in the study of quantum phenomena; the techniques include the perturbation theories, the variation principle, 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 340

PHYS 448
Directed Studies in Physics (L) 3 credits

Students will undertake an investigation of a specific topic involving experimental work as agreed upon by the student and her/his faculty supervisor and co-supervisor.
Prerequisite: Acceptance into Physics Major; approval of supervisor and co-supervisor.

Police and Justice Studies

JUST 114
Human Behaviour (4,0,0) 3 credits

Students will analyze elements of human behaviour from the criminal justice perspective. Four fundamental themes will be 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 125
Tactical Communication Skills for Criminal Justice (4,0,0) 3 credits

This course will contain 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 will build on the interviewing skills by incorporating conflict resolution and crisis intervention techniques.
Prerequisite: Admission to the Police and Justice Studies diploma program

JUST 131
Introduction to Criminal Justice Services in Canada (4,0,0) 3 credits

This course will provide the student with a complete overview of the Canadian criminal justice system. We will examine the legislative, structural and operational components of the criminal justice system. During this overview we will also review the roles and responsibilities of the professionals who work within this system. Students will follow the process an accused person travels as they move through the system from the commission of an offence, to conviction and sentencing; including their rights throughout the process. We will also examine the rights of the victims of crime and their impact on the sentencing of adult and young offenders. Finally, we will introduce alternatives to the criminal justice court process and their affects on the system as a whole.
Prerequisite: Admission to the Police and Justice Studies diploma program

JUST 235
Introduction to Canadian Law and Legal Institutions (4,0,0) 3 credits

This course will introduce students to the fundamental principles of law, how laws are developed and evolve, the Canadian court system, common law, and the exercise of judicial power.
Prerequisite: Admission to the Police and Justice Studies diploma program, second year standing

JUST 245
Police Skills (1,0,3) 3 credits

This course consists of 4 different topics that are designed to introduce students to specific functions of a police officer, such as firearms training, driving skills, use of force and physical fitness. This program will provide physical and hands-on practical experience for students.
Prerequisite: Admission to the Police and Justice Studies diploma program, second year standing, valid B.C. Class 5 drivers licence, and a doctor's permission to participate in strenuous physical activity.

JUST 251
Introduction to Policing (4,0,0) 3 credits

The objective of this course is to provide the foundation to students on policing in Canada. This course will examine the history of policing, and the evolution of policing from the principles of Sir Robert Peel, to policing in the present. Policing is continuously being challenged, therefore those challenges will be examined and a discussion of what the structure of policing will look like in the future.
Prerequisite: Admission to the Police and Justice Studies diploma program, second year standing

JUST 281
Field Work Practicum (2,2,0) 3 credits

This course requires students to complete practicums at a Public Safety or Justice Field work site. This course consists of two practicum placements and a weekly seminar on campus. These practicums give students an opportunity to apply classroom learning to real work experiences. This opportunity assists students to identify and address the demands and challenges of working in the public safety field. The seminars will include discussions and concerns of the placements, professional ethics and conduct, confidentiality, resume writing and panel interviewing.
Prerequisite: Admission to the Police and Justice Studies diploma program, second year standing, pass a Criminal Record check

Political Studies

POLI 111
The Government and Politics of Canada (3,0,0) 3 credits

An introduction 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.
Prerequisite: None

POLI 121
Contemporary Ideologies (3,0,0) 3 credits

An examination of the major systems of political ideas which have shaped the modern world, including liberalism, conservatism, socialism, communism, anarchism, fascism and nationalism. These ideologies will be analyzed from the perspective of their historical and philosophical antecedents, contemporary relevance and place in the Canadian political experience.
Prerequisite: None

POLI 214
Resistance and Revolution (3,0,0) 3 credits

The purpose of this course is to provide an introduction to the discipline of political science by intensively studying one political phenomenon, that of 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: Second year standing.

POLI 215
Comparative Politics (3,0,0) 3 credits

Designed to furnish students with the tools and concepts of political analysis which will be related to the functioning of several political systems. Choice of political systems to be studied may vary from year to year.
Prerequisite: Second year standing.

POLI 222
Political Philosophy (3,0,0) 3 credits

An examination of some of the important themes of the western political tradition through analysis of selected political philosophers, such as Plato, More, Machiavelli, Locke, Rousseau and Marx. The encounter with these theorists will initiate discussion of such concepts as authority, justice, freedom, equality and political participation.
Prerequisite: Second year standing.

POLI 223
Canadian Government 2: Public Administration and Public Policy (3,0,0) 3 credits

Political Studies 223 follows POLI 111 and emphasizes more the structure of government (particularly the executive) and the output side of the political system. Topics include analysis of the structure of government in Canada, the executive and evolution of policy making structures and styles, the contemporary policy-making process, and the Canadian bureaucracy.
Prerequisite: POLI 111

POLI 225
Law and Politics (3,0,0) 3 credits

This course is 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. Its principal focus is on the Canadian legal system with comparison to other legal systems.
Prerequisite: Second year standing.

POLI 260
International Politics (3,0,0) 3 credits

The analysis of the relations between states. Includes such topics as 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: Second year standing or instructor's written consent.

Political Studies Upper Level Note

Note: All Political Studies courses are categorized as Social Science with respect to the distribution requirements in the general B.A.

POLI 301
Canadian Political Parties (3,0,0) 3 credits

The organization and operation of party politics and the systems of party competition in Canada. The focus is on national-level politics.

POLI 303
Federalism in Canada (3,0,0) 3 credits

Theory and practice of federalism; cultural duality, social stresses, and problems of flexibility. The constitution and role of the courts.

POLI 305
Canadian Political Ideas (3,0,0) 3 credits

Political theories and ideologies in Canada. Includes an analysis of key Canadian political writers and the impact of ideas on political issues.

POLI 310
Local Government in Canada (3,0,0) 3 credits

This course will provide an introduction to local government in Canada and the contemporary issues facing municipalities. Themes to be covered include local government powers and responsibilities, community planning, fiscal and investment issues, and elections and community participation.
Prerequisite: Recommended - POLI 111

POLI 320
American Government and Politics (3,0,0) 3/6 credits

The social context of American politics, voting behaviour, legislature process, executive powers, executive-legislative relations, judicial behaviour, and problems of policy.

POLI 342
Modern Political Theory: Analysis of a Selected Theorist (3,0,0) 3 credits

A detailed examination of an acknowledged masterpiece of modern political theory. The text and attendant literature vary from year to year.

POLI 344
Social and Political Thought (3,0,0) 3 credits

An examination of some of the major concepts in political philosophy such as justice, equality, rights, obligation, liberty in the context of both classical and contemporary political thought.

POLI 346
Democratic Theory (3,0,0) 3 credits

An examination of both classical and contemporary theories of democracy. Representative democratic theory, participatory democratic theory and their relationship to 20th century concepts of democracy.

POLI 350
The Politics of Mexico (3,0,0) 3 credits

This course examines 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 352
Politics of Developing Nations (3,0,0) 3 credits

This course examines the problems of economic development, social change and democratization in the Developing World from a political perspective. Themes covered include colonialism, decolonization, relations between Developed - Developing nations, and political theories of development.
Prerequisite: Recommended - POLI 121

POLI 361
Canadian Foreign Policy (3,0,0) 3 credits

This course is an introduction to the study of Canadian foreign policy, with a 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: Third or fourth year standing. POLI 260 recommended.

POLI 365
Government and Business (3,1,0) 3 credits

This course will analyze government intervention in the face of mergers, bigness, and monopoly power. As well it considers possible government intervention in the face of unacceptable firm behaviour.
Prerequisite: ECON 190 and either ECON 195 or POLI 111 (grades of C or better)

Note: This course is the same as ECON 365. Students may not receive credit for both ECON 365 and POLI 365. ECON/POLI 365 may be used to fulfill the pre-BBA elective requirement or the BBA Environmental requirement, but not both.

POLI 401
Canadian Provincial and Regional Politics (3,0,0) 3 credits

An examination of political parties, processes, and institutions in the provincial political systems and regional arrangement between provinces.
Prerequisite: Any course in Canadian Politics.

POLI 402
Politics of the Canadian Constitutions (3,0,0) 3 credits

This seminar examines the creation and amendment of Canadian Constitutions; political aspects of the judicial system; and political consequences of our decisions.
Prerequisite: Any course in Canadian Politics.

POLI 405
Topics in Canadian Politics (3,0,0) 3 credits

A seminar which examines in depth some of the important issues in Canadian politics.
Prerequisite: Any course in Canadian Politics.

POLI 406
Topics in Latin American Politics (3,0,0) 3 credits

This course examines contemporary political, social and economic problems that confront Latin America, with an emphasis on demilitarization, democratization, human rights, economic restructuring, and free trade.
Prerequisite: Third year standing or above

POLI 411
Humanitarian Intervention: A Canadian Perspective (3,0,0) 3 credits

The course examines a shift in Canada's foreign policy that has taken us from being a peacekeeper to a peacemaker. The topics of international law, the massacre of civilians, the establishment of an international criminal court and Canada's part in the "war on terrorism" will be among the many issues studied.
Prerequisite: Third or fourth year standing. POLI 260 and/or POLI 361 recommended.

Psychology

PSYC 050
Psychology (4,1,0) 3 credits

ABE – Advanced: 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.
Prerequisite: ENGL 040 or equivalent

Note: This course is taught by the University Preparation Department.

PSYC 111
Introduction to Psychology 1 (2,1,0) 3 credits

This course covers selected topics in contemporary psychology, including the history of psychology, methodology, heredity and learning, physiology and neuropsychology, motivation, emotion, sensation, and perception.
Prerequisite: None

PSYC 121
Introduction to Psychology 2 (2,1,0) 3 credits

This course covers selected topics in contemporary psychology, including memory, intelligence and cognition, development, personality and social psychology, and mental disorders and their treatment.
Prerequisite: PSYC 111 or instructor's written consent

PSYC 159
Developmental Psychology 1 (2,1,0) 3 credits

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 will be explored.
Prerequisite: Admission to the Human Service program.

PSYC 169
Developmental Psychology 2 (2,1,0) 3 credits

A continuation of a basic examination of development in humans. The period from adolescence to old age and death is covered with particular emphasis on patterns of growth and change throughout adult life.
Prerequisite: PSYC 159 or equivalent. Admission to the Human Service program.

Psychology Note

All Courses numbered “200” and above will not necessarily be offered in any given year.

PSYC 204
Introduction to Biological Psychology (3,0,0) 3 credits

This course will examine the relationship between psychological and biological processes. The anatomy of the brain and neutral activity as well as the endocrine system will be examined as it relates to the sensory and motor abilities, learning/memory, language, motivation, states of consciousness and sexual behaviour. Research methods of studying the brain will also be covered.
Prerequisite: PSYC 111, PSYC 121, or permission of the instructor

PSYC 210
Analysis of Psychological Data (2,0,2) 3 credits

This course provides a conceptual and practical introduction to some of the types of data analysis most commonly done in psychology. Topics include descriptive statistics, correlation, t-tests, and chi-square.

A required course for students intending to major in Psychology and recommended for students intending to take Psychology courses numbered in the 300's or 400's.
Prerequisite: PSYC 111/121 or Instructor's written consent.

Note: Students may normally receive credit for only one of the following: BIOL 300, BUEC 232, MATH 120, PSYC 210, SOCI 271, SOCI 371, STAT 200

PSYC 211
Introduction to Research Methods in Psychology (3,0,1) 3 credits

A detailed introduction to empirical and theoretical aspects in the following core areas of psychology: biological psychology, sensation, learning, and motivation. The emphasis is on methodology, but attention is also devoted to content.
Prerequisite: PSYC 111/121 or Instructor's written consent.

PSYC 212
Introduction to Personality (2,1,0) 3 credits

This course examines the major theories of personality formation, including psychodynamic, cognitive, humanistic and behavioural approaches. The student will have the opportunity to relate this material to personal growth and development.
Prerequisite: PSYC 111/121 or instructor's written consent.

PSYC 213
Introduction to Developmental Psychology: Childhood and Adolescence (2,1,0) 3 credits

This course deals with the developmental process from conception to adolescence. Theoretical perspectives and research data will be examined as they relate to physical, cognitive, and psychosocial aspects of development.
Prerequisite: PSYC 111/121 or Instructor's written consent.

PSYC 216
Introduction to Abnormal Psychology (3,0,0) 3 credits

Psychopathology will be examined from historical, contemporary and cross cultural perspectives. Evolving models and issues will include biological, intra-psychic, and social-behavioural approaches to a wide range of disordered behaviours.
Prerequisite: PSYC 111/121 or instructor's written consent

PSYC 221
Introduction to Cognition (3,0,1) 3 credits

A detailed introduction to empirical and theoretical aspects in the following core areas of psychology: human memory, perception, attention, language, and thinking.
Prerequisite: PSYC 111/121 or Instructor's written consent. PSYC 211 recommended.

PSYC 222
Introduction to Social Psychology (2,1,0) 3 credits

This course examines how the social environment affects human behaviour, attitudes and personality. Specifically, the topics considered will 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 111/121 or Instructor's written consent

PSYC 223
Introduction to Developmental Psychology: Adulthood and Aging (2,1,0) 3 credits

An inquiry into the developmental changes from adolescence onwards with 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 213 or Instructor's written consent

PSYC 230
Human Sexuality (3,0,0) 3 credits

This course examines 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 111/121 or permission of the Instructor.

PSYC 300
Behaviour Disorders (SS) (3,0,0)(3,0,0) 6 credits

Detailed scientific overview of abnormal behaviour, including discussions of history, definitions and characterizations. Emphasis on interaction between psychological and biological factors involved in etiology, maintenance and treatment of psychopathology. This course qualifies as a prerequisite for PSYC 310.
Prerequisite: PSYC 111/121 or Instructor's written consent

PSYC 302
Infancy (SS) (3,0,0) 3 credits

Human development during infancy. Cognition, perception, motor, social, emotional needs, brain development and their interactions from birth until the emergence of language.
Prerequisite: PSYC 111/121 or Instructor's written consent

PSYC 303
Tests and Measurement (SS) (3,0,0) 3 credits

Theory and practice of mental measurement, including test reliability and validity, uses, administration, scoring, and interpretation.
Prerequisite: PSYC 111/121 or Instructor's written consent

PSYC 306
Principles of Animal Behaviour (SC) (3,0,0)(3,0,0) 6 credits

An examination of animal behaviour from the perspective of evolutionary theory. Among the topics covered 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. Credit will be given for only one of BIOL 310 or PSYC 306.
Prerequisite: PSYC 111/121 or Instructor's written consent. PSYC 211 or 221 recommended.

PSYC 308
Social Psychology (SS) (3,0,0)(3,0,0) 6 credits

Theory and research of individual social behaviour; social motivation; attitudes; group interaction; socialization; racial prejudice; and related topics are examined in this course.
Prerequisite: PSYC 111/121 or Instructor's written consent

PSYC 310
Clinical Psychology (SS) (3,0,0)(3,0,0) 6 credits

The purpose of this course is to provide you with a comprehensive overview of clinical psychology. The topics to be covered 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 will be discussed, as will issues of professionalism, and models of training. Instructor will attempt to give a sense of what it means to be a “Clinical Psychologist” today, of recent developments in clinical psychology, and of future directions in the field.
Prerequisite: One of PSYC 212, PSYC 216, PSYC 300

PSYC 314
Health Psychology (SS) (3,0,0) 3 credits

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 111/121 or Instructor's written consent

PSYC 315
Childhood and Adolescence (SS) (3,0,0) 3 credits

Human development from the preschool period through adolescence.
Prerequisite: PSYC 111/121 or Instructor's written consent.

PSYC 319
Experimental Design and Quantitative Methods (2,0,1)(2,0,1) 6 credits

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.
Prerequisite: PSYC 111/121, PSYC 210 and PSYC 211

Corequisite: PSYC 211

Note: Students who have credits for PSYC 317 (Research Methods and Design) and PSYC 318 (Analysis of Behavioral Data) will not receive additional credit for this course.

PSYC 320
Theories of Personality 1 (SS) (3,0,0) 3 credits

This course examines psychoanalytic and dispositional theories on the development of personality. Included are research findings, applications, and limitations with respect to the two approaches.
Prerequisite: PSYC 111/121

Note: Students with PSYC 305 may not take this course for credit

PSYC 321
Theories of Personality 2 (SS) (3,0,0) 3 credits

This course examines environmental and representational theories on the development of personality. Included are research findings, applications, and limitations with respect to the two approaches.
Prerequisite: PSYC 111/121

Note: Students with PSYC 305 may not take this course for credit

PSYC 322
Adulthood and Aging (SS) (3,0,0) 3 credits

Human development during adulthood through old age. Provides a background in basic issues, theories, and psychological research regarding adulthood and the aging process.
Prerequisite: PSYC 111/121 or Instructor's written consent.

Note: This course is equivalent to UVic PSYC 333B

PSYC 323
Principles of Conditioning (3,0,0) 3 credits

This course will cover the procedures and processes involved in Classical (Pavlovian) and Operant (instrumental) conditioning. Research findings from animal studies will comprise a majority of the material.
Prerequisite: PSYC 111, PSYC 121, or permission of the instructor

PSYC 324
History and Systems of Psychology (3,0,0) 3 credits

This course will provide a broad overview of psychology's history, beginning with the ancient Persians, and progressing through to the mid-20th century. Key figures and thinkers will be highlighted, and major philosophies and their founders discussed, all from within the context of the political and social climate prevalent at the time.
Prerequisite: PSYC 111, PSYC 121, and a minimum of six (6) additional psychology credits excluding PSYC 210, 211, or 319.

PSYC 336
The Psychology of Language 1 (SS) (3,0,0) 3 credits

The fundamental psychological abilities underlying human language. Representative topics include animal versus human communication, language processing, lexical representation, and principles of on-line conversation.
Prerequisite: PSYC 111/121 or Instructor's written consent. PSYC 221 recommended.

PSYC 337
The Psychology of Language 2 (SS) (3,0,0) 3 credits

The psychological foundations of human language capability. Representative topics include: the relation between language and thought, deriving psychological principles from language universals; and the psychology of literacy, dyslexia, multilingualism and natural language processing.
Prerequisite: PSYC 336 or Instructor's written consent

PSYC 340
Introduction to Psychology and the Law (3,0,0) 3 credits

This course will provide an overview of the area of psychology and the law. Applications of psychological theories and research to the legal system will be examined. Topics covered include: the legal system, police investigations, jury decision-making, eyewitness identification and testimony, expert evidence, and sentencing
Prerequisite: PSYC 111 and PSYC 121

PSYC 341
Forensic Psychology (3,0,0) 3 credits

This course will examine the application of clinical psychology (asessment 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 111 and PSYC 121, and one of PSYC 216, PSYC 300 or PSYC 310

PSYC 351
Sensation and Perception 1 - Visual Processes (3,0,0) 3 credits

This course will describe the basic research findings and models for visual sensation and perception. Topics will include the perception of brightness, contrast, colour, objects, depth, size, and movement, in addition to discussing the physiological mechanisms of the visual system.
Prerequisite: PSYC 111/121 or permission of the instructor

Note: Students who have credits for PSYC 313 may not receive additional credit for this course

PSYC 352
Sensation and Perception 2 (3,0,0) 3 credits

This course will describe the basic research findings and models for auditory, somatosensory, olfactory, and gustatory sensation and perception.
Prerequisite: PSYC 111/121 or permission of the instructor

Note: Students who have credits for PSYC 313 may not receive additional credit for this course.

PSYC 354
Cognition 1: Attention and Memory (3,0,0) 3 credits

This course describes the research findings and models of attention and memory, both past and present. Topics will include basic attentional processes and models, short-term/working memory, long-term processes, semantic/episodic distinctions, physiology of memory, and false memory.
Prerequisite: PSYC 111/121 or permission of the instructor

Note: Students who have credit for PSYC 309 may not receive additional credit for this course

PSYC 355
Cognition 2: Language and Thought (3,0,0) 3 credits

This course will present the research findings and models for various aspects of language and thought. Topics will include language processing, reasoning, decision-making, problem-solving, and the theoretical nature of consciousness.
Prerequisite: PSYC 111/121 or permission of the instructor

Note: Students who have credits for PSYC 309 may not receive credit for this course

PSYC 357
Physiology of Motivation and Emotion (3,0,0) 3 credits

This course will provide a detailed presentation of the concepts of motivation and emotion, emphasizing neural and endocrine mechanisms. Discussed will be the interplay 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 will be noted, as well as the distinction between causal and functional explanations.
Prerequisite: PSYC 111 and 121 or permission of the instructor. PSYC 204 recommended

Note: Students who have credits for PSYC 304 may not receive additional credit for this course

PSYC 358
Physiology of Learning and Memory (3,0,0) 3 credits

This course will provide detailed presentation of the different types of learning and memory, emphasizing neural mechanisms. Discussed will be 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 will also be covered.
Prerequisite: PSYC 111 and 121 or permission of the instructor. PSYC 204 recommended.

Note: Students who have credits for PSYC 304 may not receive additional credit for this course

PSYC 410
Advanced Research and Methodology (0,3,0)(0,3,0) 6 credits

The course provides the opportunity to apply research methods and statistics to an advanced research project supervised by a faculty member.
Prerequisite: PSYC 319, fourth year standing in psychology major, and GPA of at least 3.33

PSYC 440
Directed Studies in Psychology (SC) (3,0,0) 3/6 credits

Directed investigation of a problem, requiring a written report of the findings.
Prerequisite: Satisfactory standing and permission of a faculty member who is prepared to supervise the investigation.

Note: Cannot be counted towards major (i.e., towards minimum 30 credits)

PSYC 499
Honours Thesis in Psychology (unvectored) 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. The course is designed to strengthen the student's 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.
Prerequisite: The prerequisites for this course are acceptance into the Psychology Honours Program, a "B" grade in PSYC 319 (3rd-year statistics & methodology course), and identification of a supervisor for the thesis. The general requirements for acceptance at the third-year level are:
- a "B" average in Psychology 111, 121, 210, and 211 to enter the Honours Program at the third-year level
- maintenance of a GPA of 3.0 in each of 3rd and 4th years with no psychology course below a "B-", and a minimum of a "B" grade in PSYC 319 to remain in the Honours Program

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.

Public Safety Communications

PSCM 110
Call Processing (45 hours)(L) 3 credits

This course provides a thorough introduction to call processing systems. The course involves both theory and role-playing. Students are expected to learn the material given in a short time and must expect to work extra hours after class to become proficient in the class role-playing.
Prerequisite: Admission to the Public Safety Communications Certificate program

PSCM 112
Telecommunications (75 hours)(L) 3 credits

This course introduces the students to the types of telecommunication systems used in public safety environments. This includes an introduction to dispatch centres, transmission methods, 9-1-1, computer networks, CAD systems, radios and more. The course also provides considerable practice on radios, and successful students will receive their aeronautical licence from Industry Canada.
Prerequisite: Admission to the Public Safety Communications Certificate program.

PSCM 114
Human Behavior (4,0,0) 3 credits

This course is a study of psychological disorders, social disobedience and victimization from the perspective of Public Safety Communications. In addition, students will study of stress management techniques including critical incident stress, shift work, media stress, and sleep disorders. Students will also learn practical insights into how to deal with persons with psychological problems when they are in a state of crisis.
Prerequisite: Admission to the Public Safety Communications program.

PSCM 115
Legal and Regulatory Influences (60 hours) 3 credits

This course examines the legal and regulatory influences on primary responding agencies within public safety, such as police, fire and ambulance. This examination will include a study of federal and provincial statutes and municipal by-laws, and the common law affecting the public safety sector.
Prerequisite: Admission to the Public Safety Communications Certificate program.

PSCM 126
Practicum (130 hours) 3 credits

This course will introduce students to the work environment in a range of public safety communications centres. Students will have the opportunity to observe and, as they become more skilled, gain hands-on experience. Students will also learn job search skills, interviewing, and related skills.
Prerequisite: Satisfactory completion of all fall semester courses.

PSCM 130
Police Communications (3,0,3)(L) 3 credits

This course will provide a thorough introduction to police communications. There will be theory, role-playing scenarios and homework assignments. Students will learn terminology used in emergency response centres, police dispatch systems, and how to determine the appropriate priority to dispatch field units to calls.
Prerequisite: Admission to the Public Safety Communications program and 70% or better in PSCM 110 and PSCM 112

PSCM 140
Emergency Planning (60 hours) 3 credits

This course includes a comprehensive introduction to Emergency Planning. Public Safety Communicators are frequently involved in disaster and emergency response situations and this course teaches students their roles, and the roles of other major participants, in emergency response.
Prerequisite: Admission to the Public Safety Communications Certificate program.

PSCM 141
Fire Communications (3,0,3)(L) 3 credits

This course provides a thorough introduction to the knowledge and skills required of Fire dispatchers and call takers. The course includes both theory and considerable hands-on learning of the skills and procedures required.
Prerequisite: Admission to the Public Safety Communications program and 70% or better in PSCM 110 and PSCM 112

PSCM 150
Emergency Medical Communications (3,0,3)(L) 3 credits

This course examines the role of Emergency Medical Dispatchers (EMDs) in the Emergency Medical System (EMS) and prepares students for employment as EMDs. Theory of EMD practice and techniques of emergency telephone assessment and intervention will be studied and practiced in a lab setting.
Prerequisite: Admission to the Public Safety Communications program and 70% or better in PSCM 110 and PSCM 112

Respiratory Therapy

RESP 157
Respiratory Therapy 1 (4,0,0) 3 credits

This course provides an overview of the field of Respiratory Therapy, the hospital environment, legal aspects as well as a historical look at medicine. Also included is an in-depth study of the anatomy of the respiratory system.
Prerequisite: Admission to the Respiratory Therapy program.

RESP 158
Instrumentation 1 (3,0,3)(L) 3 credits

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.
Prerequisite: Admission to the Respiratory Therapy program.

RESP 168
Instrumentation 2 (3,0,6)(L) 3 credits

A continuation of RESP 158, 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.
Prerequisite: Successful completion of the first semester of the Respiratory Therapy program

RESP 169
Cardiopulmonary Anatomy & Physiology (3,0,0) 3 credits

This course describes cardiac and pulmonary physiological processes related to respiratory therapy, diagnostics and technology. This will assist in providing the background knowledge that a student requires to progress into the comprehensive curriculum of Respiratory Therapy. Upon successful completion of the course, the student will understand the pulmonary physiology surrounding spontaneous ventilation and cardiac physiology related to cardiac output, ventilation and gas transport.
Prerequisite: Successful completion of the first semester of the Respiratory Therapy program

RESP 250
Pathophysiology (3,1,0) 3 credits

This course will deal with disordered function of various body systems excluding the respiratory system.
Prerequisite: Admission to the second year Respiratory Therapy program.

RESP 251
Pharmacology (3,0,0) 3 credits

This course is designed to give the student specific information concerning respiratory drugs, CNS depressants, cardiovascular agents, diuretics and antibiotics. Topics covered will include effects, side effects, route of administration, general clinical uses and the possible benefits and hazards that these drugs impose upon patients.
Prerequisite: Admission to the second year Respiratory Therapy program.

RESP 255
Mechanical Ventilation (4,1,5.5)(L) 3 credits

Mechanical Ventilation is a very precise and complex form of life support for the critically ill patient. In order to prepare the student to function safely in this environment, the course has been subdivided into three major aspects of mechanical ventilation. The functional analysis of ventilators and their mechanical specifications will supply the student with the abilities and limitations of individual ventilators. The understanding of individual ventilators and the ability to evaluate new ventilators will help the student with the most important facet of mechanical ventilation; the evaluation of the machine-patient interface with both laboratory and clinical findings.
Prerequisite: Admission to the second year Respiratory Therapy program.

RESP 257
Blood Gas Analysis (3,1,3)(L) 3 credits

The student will gain an understanding of theory related to blood gases and the patient, sample collections, and analysis. The student will be able to understand the results of blood gas analysis and relate these to the management of the patient and his/her condition.
Prerequisite: Admission to the second year Respiratory Therapy program.

RESP 259
Patient Assessment (3,1,2)(L) 3 credits

This course will deal with the many aspects of monitoring physiological functions of the body. Included will be techniques involving invasive and non-invasive types of monitoring.
Prerequisite: Admission to the second year Respiratory Therapy program.

RESP 260
Respiratory Pathophysiology (3,1,0) 3 credits

A continuation of RESP 250. This course deals with the pathophysiology of respiratory disorders including infectious diseases, obstructive diseases, immunologic, inhalational, and aspirational diseases. Also included are oxygen toxicity, pulmonary neoplasms, chest trauma and diseases, and neuromuscular disorders affecting respiration.
Prerequisite: Successful completion of the third semester of the Respiratory Therapy program.

RESP 262
Anaesthesia (3,0.5,1)(L) 3 credits

The active role of the Respiratory Therapist in the field of anaesthesia is rapidly expanding. The student will attain a working knowledge of the equipment utilized in this area. He/she will also gain an understanding of the technical and clinical aspects of anaesthesia and be aware of the techniques of administering and maintaining safe anaesthetic practices.
Prerequisite: Successful completion of the third semester of the Respiratory Therapy program

RESP 263
Neonatology (3,1,2)(L) 3 credits

This course will help prepare the student to be an active and knowledgeable member of the neonatal care team. Respiratory care and monitoring of neonates requires a great deal of precision which makes the job very demanding. The student will receive lectures which span human development from conception to postpartum. Physiology and pathophysiology along with selective treatment and associated technology will be explored. The course will deal with life support systems associated with respiratory care.
Prerequisite: Successful completion of the third semester of the Respiratory Therapy program.

RESP 268
Pulmonary Function (3,0.5,2)(L) 3 credits

Upon completion of this course the student will be able to recognize the indications for, and explain data obtained from, routine pulmonary function testing as well as perform these tests at a high standard. This will include spirometry, FRC and RV testing by helium and nitrogen methods and carbon monoxide transfer by single breath. The student will have full comprehension of the equipment used and the needs and methods for quality control.
Prerequisite: Successful completion of the third semester of the Respiratory Therapy program

RESP 270
Patient Care Procedures (4,1,4.5)(L) 3 credits

This course is designed to deal with procedures in patient care. This will include lectures on the basics of cardio-pulmonary rehabilitation, medical gas therapy, and the care of the acutely ill patient.
Prerequisite: Successful completion of the third semester of the Respiratory Therapy program

RESP 272
Professional Issues in Respiratory Care (3,0,0) 3 credits

This course is topic driven yet anchored to historical issues for the Respiratory Therapist practising in the Canadian Health Care System. In a rapidly changing health care future, the expectation of a "job for life" for the graduate is uncertain. The skills required for survival of today's graduate include negotiation of role, liaison with community agencies and an emerging need for multiskilling.

The course will be seminar based utilizing small group interaction when discussing issues. Assessment of students progress will be assignment oriented.
Prerequisite: Successful completion of the third semester of the Respiratory Therapy program

Respiratory Therapy Clinical

RTCL 304
Neonatal and Pediatric (7 weeks)

This course is designed to assist the student in the development of skills and comprehensive understanding of Neonatal/Pediatric Respiratory Care. At the completion of this segment, the student will be expected to function in the capacity of a Respiratory Therapist.
Prerequisite: Successful completion of the academic portion of the Respiratory Therapy Program.

RTCL 311
Respiratory Therapy Clinical (Level 1) (22 weeks) 19 credits

Level 1 experience is designed to allow the student to gain exposure to all clinical rotations. The student will function under the supervision of a Respiratory Therapist. Successful completion of this segment requires meeting the objectives listed.
Prerequisite: Successful completion of the academic portion of the Respiratory Therapy Program.

RTCL 312
Respiratory Therapy Clinical (Level 2) (17 weeks) 18 credits

Level 2 experience is designed to allow the student increased exposure in all Level 1 areas. The student will be expected to function in the capacity of a Respiratory Therapist at the completion of Level 2. Successful completion of this segment requires meeting the objectives listed.
Prerequisite: Successful completion of the academic and clinical portions of Level 1 of the Respiratory Therapy Program.

Respiratory Therapy Clinical Theory

RTCT 304
Respiratory Therapy Clinical Theory (Neonatal/Pediatrics) 2 credits

This course consists of a series of academic half days over an eight week period dedicated to the review and examination of didactic material to clinical practice in the neonatal and pediatric care setting. It is a comprehensive overview and integration of all three years of the program.

This course will include a combination of lectures, case studies and seminars presented by therapists, physicians and other health professionals. The Program Coordinator is responsible for course continuity. The B.C.C.H. Clinical Site Coordinator is responsible for on-site delivery and organization.

Upon successful completion of the course, the student will demonstrate a comprehensive knowledge of the respiratory therapy program curriculum as it pertains to the neonatal and pediatric patient. The student will be expected to review the theoretical knowledge learned in the 1st two years of the program, to build upon that knowledge, and apply it to clinical situations in written exams.
Prerequisite: Successful completion of the academic portion of the Respiratory Therapy program.

RTCT 311
Respiratory Therapy Clinical Theory (Level 1) 3 credits

This course consists of a series of academic half days dedicated to the review and examination of didactic material related to clinical practice. It is a comprehensive overview and integration of all three years of the program.

This course will include 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. The student will be expected to build upon the theoretical knowledge in the first two years of the program.
Prerequisite: Successful completion of the academic portion of the Respiratory Therapy program.

RTCT 312
Respiratory Therapy Clinical Theory (Level 2) 3 credits

This course consists of a series of academic half days dedicated to the review and examination of didactic material related to clinical practice. It is a comprehensive overview and integration of all three years of the program.

This course will include 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. The student will be expected to build upon the theoretical knowledge in the first two years of the program.
Prerequisite: Successful completion of the academic and clinical portions of Level 1.

Science

SINC 040
Introduction to Science (5,0,0) 3 credits

ABE – Intermediate: A study of the fundamentals of science and the role that science plays in our everyday life. Emphasis is given to the three major areas of scientific study: biology, chemistry and physics, and to the methods by which scientific knowledge is gained and organized. Some experiments are required.
Note: This course is taught by the University Preparation Department.

SINC 050
Foundations of Science (5,0,2) 4 credits

ABE – Advanced: This course introduces important basic science concepts relevant to the general or allied health sciences. The principles of chemistry, biology and physics are covered in a manner which emphasizes the links between disciplines. This course will sufficiently strengthen the students' background in science, so that they can further explore their area of interest.
Note: This course is taught by the University Preparation Department.

Service Learning

SERV 300
Service Learning (Third Year) (0,0,5P) 3 credits

Service Learning 300 provides third-year students with faculty 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. These service learning projects may be initiated by students, by community members, groups, agencies, and organizations, and by faculty - but to qualify for service learning credit, a faculty member must first authorize the course and then agree to both supervise and evaluate the project.

Criteria for authorizing service level credit: 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.
Prerequisite: Students must have completed 60 credits

SERV 400
Service Learning (Fourth Year) (0,0,5P) 3 credits

Service Learning 400 provides fourth-year students with faculty 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. These service learning projects may be initiated by students, by community members, groups, agencies, and organizations, and by faculty - but to qualify for service learning credit, a faculty member must first authorize the course and then agree to both supervise and evaluate the project.

Criteria for authorizing service level credit: 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.
Prerequisite: Students must have completed 90 credits

Social Science

SOSC 060
Introduction to Social Sciences (6,0,0) 4 credits

This course provides an overview of the following disciplines of social science: Anthropology, Psychology, Political Science, Sociology and History.
Prerequisite: ENGL 050 or equivalent.

Note: This course is taught by the University Preparation Department.

Social Service

SOCS 165
Field Work (0,2,14) 4 credits

This fieldwork course provides the link between the classroom and the work place. Under supervision, students will integrate core concepts of social service practice in a fieldwork agency. It is in the field that the relationship between theory and practice is clarified, and skills practiced.
Prerequisite: All Fall semester courses. Admission to the Human Service Programs.

Social Work

SOCW 200A
An Introduction to Social Work Practice (3,0,0) 3 credits

The purpose of this course is to introduce students to social work practice through an exploration of the history, philosophical foundation, and theoretical perspectives of the profession of social work. 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 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 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: Second year standing

SOCW 200B
An Introduction to Social Welfare in Canada (3,0,0) 3 credits

This course provides an introduction 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 social worker's role in formulating and influencing policy is considered.
Prerequisite: Second year standing

SOCW 300
Canadian Social Policy (3,0,0) 3 credits

This course explores the socio-historical, economic, ideological and institutional contexts for the development of social policy in Canada. The policy-making process as well as the role of social policy in processes of inclusion, exclusion, marginalization, and oppression will be discussed. The critical analysis of selected social policies will be emphasized.
Prerequisite: SOCW 200A and SOCW 200B, admission to the BSW program, or permission of the program coordinator

SOCW 301
Introduction to Social Work Research (3,0,0) 3 credits

This course introduces students to the concepts, methods and processes of social work research and develops skills in conducting and assessing research. It challenges students 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 will be discussed.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

Note: Student must maintain a grade of C or better

SOCW 302
Data Analysis in the Health and Human Service Professions (3,0,1) 3 credits

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 will apply a range of analytical techniques to both quantitative and qualitative data. This course will enhance the learner's ability to analyze data and critically review research literature applicable to their professional practice.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

Note: Students normally will receive credit for only one of the following: BIOL 300, BUEC 232, MATH 120, PSYC 210, SOCI 371, SOCW 302, STAT 200.

SOCW 304
Social Work Field Practice (0,1,21) 6 credits

The purpose of the practicum is to apply ethics, theory, and research to social work practice while developing professional practice skills. It is an opportunity to integrate classroom learning with practice 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. It is a total of 300 hours including pre-practicum orientation and practicum seminars.
Prerequisite: SOCW 306, SOCW 353

Note: Student must maintain a grade of C or better

SOCW 306
Theory and Ideology of Social Work (3,0,0) 3 credits

This course introduces students to social work theory and ideology, and examines 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 200A and 200B, admitted BSW students only or permission of the program coordinator

Note: Student must maintain a grade of C or better

SOCW 307
Models of Social Work Practice (3,0,0) 3 credits

This course reviews and examines 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 200A and 200B, SOCW 353 and SOCW 306 (grades of C or better), admitted BSW students only or permission of the program coordinator

Corequisite: SOCW 304

Note: Student must maintain a grade of C or better

SOCW 310
Aboriginal Life Cycles (3,0,0) 3 credits

This course utilizes seven interconnected circles to represent the life cycles of Creation, Birth and Childhood, Youth, Women, Men, Elders and Spirit World. The course examines stages of development and learning through these life cycles, in social and cultural contexts. This course seeks to create understanding/knowledge of Indigenous people through differing ways of knowing, being, seeing and doing.
Prerequisite: SOCW 200A and SOCW 200B

SOCW 311
Aboriginal Perspectives on Social Policy (3,0,0) 3 credits

In this course students will engage in the process of decolonization as it relates to social policy. Students will explore and analyze historical Canadian policies and legislation and the implication for Aboriginal people today. Students will critique and analyze how, and if, existing policies could be affective for Aboriginal people. Students will develop a framework to interpret and develop effective policies for Aboriginal peoples.
Prerequisite: SOCW 200A and SOCW 200B

SOCW 330
International Field Studies (3,0,0) 3 credits

This course will offer a two-week international study experience in a selected country. Students will learn about the political, economic, cultural and social conditions of this country, globalization and its effects on citizens, social welfare policy and practice in this country, community development strategies, and about the marginalization and oppression of groups in this country. Activities will involve presentations and seminars by international leaders, professionals and residents, as well as visits to a range of community sites and organizations.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

SOCW 353
Social Work Practice with Individuals (3,0,0) 3 credits

This course provides an introduction for social work practice with individuals by developing communication skills and applying these skills to social work practice. From anti-oppression, feminist and Aboriginal perspectives students learn 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 200A and 200B, admitted BSW students only or permission of the program coordinator

Note: Student must maintain a grade of C or better

SOCW 354
An Introduction to First Nations Issues and Human Services (3,0,0) 3 credits

This course will 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 will be discussed in relation to social work theory and practice.
Prerequisite: SOCW 200A and 200B, third year standing or Instructor's written consent

Note: Student must maintain a grade of C or better.

SOCW 355
Human Development (3,0,0) 3 credits

The objectives of this course are to: (1) introduce students to concepts and models of how human behaviour is acquired, maintained and modified; and (2) to develop an understanding of normal human development as a knowledge base for practice with individuals, families and groups in a rural context.
Prerequisite: SOCW 200A and SOCW 200B200B, admitted BSW students only or permission of the program coordinator

SOCW 357
Social Work, Law and Social Policy (3,0,0) 3 credits

This course provides a basic introduction to legal issues and examines the social impact of legislation and policy. Students will develop a beginning knowledge base in areas of law particularly relevant to social work practice.
Prerequisite: SOCW 200A and 200B

Note: Students will receive credit for only one of the following: SOCW 357, CYCA 357. Student must maintain a grade of C or better.

SOCW 358
Legal Skills for Social Workers (3,0,0) 3 credits

This course introduces theory and practice approaches to mediation, alternative dispute resolution and advocacy. A moot court experience develops skills in evidence-giving, investigation and report writing. Students will participate in role play and practice simulations.
Prerequisite: SOCW 200A, SOCW 200B, admitted BSW students only or permission of the program coordinator

SOCW 359
Advanced Social Work Practice with Individuals (3,0,0) 3 credits

This course builds on established interview skills and practice with individuals. It introduces students 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, practised and critiqued by students.
Prerequisite: SOCW 200A, SOCW 200B, and SOCW 353

SOCW 375
Cultural Immersion (3,0,0) 3 credits

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 knowledge and appreciation of First Nations culture.
Prerequisite: SOCW 200A and SOCW 200B

SOCW 376
Family and Child Welfare Practice (3,0,0) 3 credits

This course introduces students to the analysis of family and child welfare systems and practices from anti-oppression, Aboriginal and feminist perspectives. Current British Columbia models of practice are discussed as well as models that incorporate feminist and Aboriginal perspectives. An introductory critique of the legal system is provided and its relationship to practice with diverse populations is considered. The importance of understanding personal and professional values and ethics in a climate of constant change is discussed. A major emphasis is given to First Nations/Aboriginal child welfare due to the high rate of Aboriginal children in care.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

SOCW 400
Policy in the Human Services (3,0,0) 3 credits

The objectives of this course are to provide an introduction to the main organizational structures of, and stages in, the social policy making process in Canada; to strengthen skills in the analysis of policies and programs in Canadian human services; to critically examine different ideologies and theories through which the welfare state has been examined in various countries and to develop an appreciation of the inter-disciplinary nature of social policy as a field of academic and applied activity.

Open to Social Work and Nursing students
Prerequisite: SOCW 200A and 200B, fourth year standing or instructor's permission

SOCW 402
Social Work Field Practice (0,1,28) 9 credits

The purpose of the practicum is to apply ethics, theory, and research to social work practice while developing professional practice skills. It is completed at the end of the student's studies in the BSW degree program and develops analytic and practice abilities sufficient to begin professional practice. 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 four days a week, includes seminar, and is a total of 432 hours.
Prerequisite: Fourth year standing and a minimum of 45 social work credits including SOCW 304.

SOCW 403
Generalist Social Work Practice (3,0,0) 3 credits

This course has the objectives of:

(a) strengthening the students' understanding of generalist social work practice and problem solving approaches.

(b) heightening the students' ability to recognize and grapple with ethical dilemmas, and

(c) providing students with an opportunity to think critically about their own conceptual and philosophical orientation to social work practice.
Prerequisite: SOCW 200A, SOCW 200B, SOCW 301, SOCW 304, SOCW 306, SOCW 307, SOCW 353, with a C standing or better in all required courses and a minimum of 30 social work credits

Note: Student must maintain a grade of C or better.

SOCW 404
Ethical Practice in Aboriginal Communities (3,0,0) 3 credits

This course focuses specifically on ethical considerations and decision making when working in Aboriginal communities. The course will examine codes of ethics in the profession, Aboriginal codes of ethics and mainstream theoretical aspects of ethical practices. As well, students are provided with the opportunity to engage in exploration of integrated, personal, ethical practices that are culturally based through validation and revitalization of Aboriginal codes of ethics.
Prerequisite: SOCW 200A and SOCW 200B

SOCW 420
Family Violence and Social Work Practice (3,0,0) 3 credits

This course provides an introduction to social work practice with individuals, families, and communities in response to the problem of violence in adult intimate relationships. Students will have an opportunity to 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. Family violence is understood in this course to mean violence in adult intimate relationships, including same-sex couples. Other topics include family violence in Aboriginal communities, children who witness violence, and dating violence.
Prerequisite: SOCW 200A, SOCW 200B, admitted BSW students only or permission of the program coordinator

SOCW 430
Sexual Diversity and Social Work Practice (3,0,0) 3 credits

This course introduces students to the systemic issues that sexually diverse people encounter on a daily basis. Policies, legislation, and social contexts are analyzed and evaluated to understand the cumulative impact of multiple intersecting oppressions on sexually diverse people. Social work strategies to support and advocate for gay, lesbian, bisexual, transgener, transensual, two-spirit, intersex and pansexual people are discussed.
Prerequisite: SOCW 200A, SOCW 200B, third-year standing or permission of the instructor

SOCW 440
Social Work and Mental Health (3,0,0) 3 credits

This course provides an introduction to the practice of social work in the field of mental health. Students will critically examine 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 selected mental health issues. Students will be presented with the personal accounts and experience 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 required for mental health practice.
Prerequisite or Corequisite: SOCW 200A, 200B and third-year standing

SOCW 450
Leadership Practice in Social Service Organizations (3,0,0) 3 credits

This course provides students with a critical introduction to leadership in social service organizations. It reviews 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, this course introduces students to key organizational skills necessary for effective leadership in organizations.
Prerequisites or Corequisites: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

SOCW 452
Educating for Social Change (3,0,0) 3 credits

This course focuses on the use of education as a strategy for individual and social change by introducing students to the concept of education as the practice of freedom and as a process of social transformation through concientization. Principles and practices of adult education will be examined for their application in social work as empowerment and change. Students will present workshops, plays, or web programs to achieve the objective of developing specific skills and knowledge for planning and delivering educational programs. This will be explored using feminist, Aboriginal and anti-oppression perspectives.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of program coordinator

SOCW 454
Aboriginal Decolonizing Social Work Practice (3,0,0) 3 credits

This course examines 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. It explores strategies for reconciliation and building relationships between Aboriginal and non-Aboriginal peoples as well as practices within the social work profession.
Prerequisite: SOCW 200A, SOCW 200B and SOCW 354, admission to the BSW program, or permission of the program coordinator

SOCW 455
Social Work Practice with Communities (3,0,0) 3 credits

This course explores the construction of community and analyzes marginalization, exclusion, and oppression in communities. It 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 200A, 200B, and 306, admitted BSW students only or permission of the program coordinator

SOCW 456
Decolonizing Practice 2 (3,0,0) 3 credits

This course will centre on the revival and renewal of indigenous philosophies as they relate to social work practice. Students will apply knowledge and skills concerning ceremony, family systems, art, language and storytelling to reaffirm and revitalize indigenous ways of knowing and being in order to challenge oppression.
Prerequisite: SOCW 200A and SOCW 200B

SOCW 460
Special Topics in Social Work and Social Welfare (3,0,0) 3 credits

This is a variable content course that will deal with special issues in social welfare and approaches to social work practice. Restricted to students in third or fourth year.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

SOCW 461
Social Work Practice with Groups (3,0,0) 3 credits

This course introduces students to the historical development of the use of groups in social work practice and an examination of 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. The course provides an opportunity to understand the stages of group development and practice skills related to group processes. Students participate in structured group experiences.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

SOCW 465
Older People, Aging, and Society (3,0,0) 3 credits

This course provides an introduction to working with and on behalf of older people from an anti-oppression and inter-disciplinary perspective. We will examine age in relation to other identity factors, such as 'race', ethnicity, class, gender, (dis)ability, faith, sexual orientation, aboriginal ancestry, and marital status. The course is designed to expose students to issues affecting older adults both locally and globally; to critically examine beliefs and attitudes related to aging and older people - our own and those of others; and to develop a framework for anti-oppression practice with older people. We will discuss policy, practice, and research issues within the field of aging with a focus on structural inequalities in later life and the voices of older people.
Prerequisite: BSW admission or by permission of the program coordinator. Recommended for other disciplines such as nursing, sociology, anthropology, psychology, and geography.

SOCW 466
Addictions and Social Work Practice (3,0,0) 3 credits

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 is also examined. Students will acquire knowledge of the local network of available services and resources. The course also fosters a critical perspective on legal issues and government policy dealing with addictive substances.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

SOCW 476
Family and Child Welfare Policy (3,0,0) 3 credits

This course provides a critical examination of family and child welfare policy and practice issues. The conceptual framework includes an examination of ideological influences, as well as the importance of a gender, race and class analysis regarding family and child welfare issues and practice in Canada.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

SOCW 477
Social Work Practice with Families (3,0,0) 3 credits

This course introduces students to social work practice with 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. Students develop skills and integrate theory and practice through class discussion, assignments, and experiential exercises.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

SOCW 478
Introduction to Disability Studies (3,0,0) 3 credits

This course involves students in an examination of perspectives on disability, race, gender and class, as well as a critical analysis of current theories, policies and practice. Students are introduced to issues affecting people with disabilities within a framework of human rights, citizenship and inclusion. The course also engages students in an examination of their own beliefs and attitudes about disability and emphasizes practice 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, family members and professionals are considered in relation to social work values, theory, policy and practice.
Prerequisite: SOCW 200A and 200B, admitted BSW students only or permission of the program coordinator

SOCW 490
Directed Studies (3,0,0) 3 credits

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 Chair is required.

Sociology

Note: For more details on courses available this year, see **The Guide to Sociology Courses** by contacting the Sociology Department.

SOCI 111
Introduction to Sociology 1 (2,1,0) 3 credits

An introduction to the concepts and techniques employed in the study of social relationships. The course examines diversity and change in society focusing on culture, socialization, social roles, gender, and education topics that encourage the student to locate herself or himself in this society and community.

SOCI 121
Introduction to Sociology 2 (2,1,0) 3 credits

In the second of the introductory courses, the focus is principally on major institutions in society such as the family, religion, politics and economy; on structured forms of inequality reflected in class, race and gender relations, and on forms of deviance and social control.
Prerequisite: SOCI 111

SOCI 201
Race and Ethnic Relations (3,0,0) 3 credits

This course will focus on sociological descriptions and explanations of race and ethnic relations in Canada. It will look briefly at biological and sociobiological theories of racial differences, and will use sociological theories to background the social implications of racial and ethnic harmony. Particular attention will be paid to issues concerning First Nations People.

Although it will concentrate on the Canadian situation, comparisons to other areas of the world will be included. Special notice will be given to Aboriginal Peoples in other countries, such as New Zealand and Australia, which have been colonized and subordinated by migrating Europeans.
Prerequisite: SOCI 111/121

SOCI 210
Canadian Social Issues (3,0,0) 3 credits

Descriptive and analytic survey of such features as demographic characteristics, class structure, ethnicity, and regional variation in Canadian society as a basis for understanding current social issues.
Prerequisite: SOCI 111 and 121

SOCI 213
Women in Global Perspective (3,0,0) or (3,0,0)(3,0,0) 3/6 credits

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 111/121

SOCI 216
The Family in Cross-Cultural Perspective (3,0,0) 3 credits

Introduction to marriage, sexual relationships and family issues. A cross-cultural comparison of family and kinship to provide an understanding of variations in the structure and meaning of marriage relations; forms of domestic organization; and the sexual division of labour, property and inheritance. Same as UBC SOCI 214.
Prerequisite: SOCI 111/121

SOCI 217
Sociology of Popular Culture (2,1,0) 3 credits

This course is an introduction to the sociological implications of popular culture and focuses on issues central to the presentation, consumption and construction of current social life. Popular culture affects us all, but we do 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 will be studied in the course.
Prerequisite: SOCI 111/121

SOCI 223
Collective Behaviour (2,1,0) 3 credits

Introduction to the analysis of crowd and mass action. Forms of collective behaviour, such as riots, fads, demonstration, public opinion and emergent social movements will be described and analyzed.
Prerequisite: SOCI 111/121

SOCI 226
Medical Sociology (2,1,0) 3 credits

The focus of this course is 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 covered in this course will 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 111/121

SOCI 227
Selected Topics in Sociology (2,1,0) 3 credits

This course will survey a topic, area or theory important to the discipline of Sociology. The course will provide students a format to pursue a variety of topics of interest not generally offered at the second year and above within the department. This course will be subtitled with the topic for a specific offering. A student may take this course twice providing the subtitle is different.
Prerequisite: SOCI 111/121

SOCI 250
Crime and Society (2,1,0) 3 credits

This course introduces the central issues of criminology: 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 111/121

SOCI 259
Deviance and Control (3,0,0) 3 credits

The aim of this course is to familiarize students with current controversies over the sources of criminal recidivism (repeat offences) and the appropriate means of predicting criminal careers. The course will centre on deviant and criminal careers from the perspective of lifecourse, lifestyles, and occupations, with emphasis on how this perspective is developing in the fields of sociology and criminology and its implications for criminal corrections.
Prerequisite: SOCI 111/121

SOCI 262
Sociology of the Environment (3,0,0) 3 credits

This course will focus on sociological explanations of environmental issues. How environmental issues come to be defined as such is a key portion of the course. Important to this is the way in which a society defines and uses natural resources. Social values, norms and policies regarding the definition of private and public property rights of renewable and non-renewable resources will be studied in both historical and global context. An historical context will allow us to look at changes in norms, values and definitions. The global context will allow us to put both the historical and present trends into perspective.
Prerequisite: SOCI 111/121

SOCI 271
Introduction to Social Statistics (3,0,0) 3 credits

The logic and interpretation of statistical concepts and techniques in the social sciences. Specific topics include measurements, distributions, cross tabular analysis, bivariate correlation and regression, sampling, elementary probability and statistical inference.
Note: Students may normally receive credit for only one of the following: BIOL 300, BUEC 232, MATH 120, PSYC 210, SOCI 271, STAT 200

SOCI 272
Introductory Social Research Methods (2,1,0) 3 credits

This course provides an overview of the philosophy and practice of social research. Topics covered include research ethics, research design, survey research, field research, interviewing, quasi-experimentation, and analysis of data.
Prerequisites: SOCI 111/121 (Grade of C or better)

SOCI 310
Canadian Society (3,0,0)(3,0,0) 6 credits

Examination of selected features of the social organization of Canadian society which will include, for example, 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 111/121

SOCI 312
Gender Relations (3,0,0)(3,0,0) 6 credits

The nature of gender relations, their social and cultural expression, and theories of gender inequality drawn from anthropological or sociological research.
Prerequisite: SOCI 111/121

Note: Same course as ANTH 312

SOCI 316
Sexuality (3,0,0) 3 credits

The course examines sexuality in its multiple dimensions. Sexuality is a set of discourses about 'good' and 'bad' sexual practices. It is a part of any society's social institutional structure. It is the basis of both progressive social movements and regulatory or repressive counter-movements.
Prerequisite: SOCI 111 and 121

SOCI 320
Classical Social Theory (2,1,0) 3 credits

This course provides a guided entry into the complex works of Marx, Durkheim and Weber focusing 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 321
Feminist Theory (2, 1, 0) 3 credits

An introduction to the history of Western feminist thought and the major traditions of feminist theory. The course examines classical and contemporary debates on gender relations relevant to Sociologists and other social theorists. This is a core course for students in the Sociology majors program.
Prerequisites: SOCI 111, SOCI 121 and SOCI 320 or permission of the instructor

SOCI 322
Contemporary Issues in Social Theory (2,1,0) 3 credits

This course examines contemporary issues in social theory. The course evaluates 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.
Prerequisite: One 3 credit second year Sociology course and SOCI 320

SOCI 352
Organization of Work (3,0,0) 3/6 credits

The meaning of work and leisure. Properties of work organization: division of labour and specialization; technology and working knowledge; means of coordinating work, such as cooperation, authority, and exchange. Research problems concerning work in households, offices, and industry, division of labour by gender, industrial democracy, and the relation of work and social inequality.
Prerequisite: SOCI 111/121

SOCI 360
Sociology and Natural Resources (3,0,0) 3 credits

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 111/121

SOCI 361
Social Inequality (3,0,0) 3 credits

Tendencies toward equality and inequality; manifestations of inequality (occupation, ethnic groups, income, power) and their consequences; caste and class features of major stratification systems; theories of social class; stratification profile of contemporary industrial societies.
Prerequisite: SOCI 111/121

SOCI 362
Special Topics in Social Problems (2,1,0) 3 credits

This course will focus on a selected social problem or social problem area within sociology. The specific social problem will vary 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 111/121, 3rd year standing

SOCI 368
Deviance and Social Control (3,0,0)(3,0,0) 6 credits

An analytic framework for the study of the generation and control of deviant activities, with emphasis on societal processes directed to the recognition and organizational treatment of "deviants" as a phenomenon. The course stresses theoretical issues rather than social problems and their remedy.
Prerequisite: SOCI 111/121

SOCI 380
Social Survey Design and Analysis (2,1,0) 3 credits

Questionnaire design, interviewing, sampling, and analysis of survey data.
Prerequisite: SOCI 272

SOCI 382
Socio-Ethnographic Research Methods in Sociology (Qualitative Methods) (2,1,0) 3 credits

This course introduces the six main ways of collecting "qualitative" (non-numerical) data: interviewing, focus groups, ethnography, sociometry, "unobtrusive" measures, and historiography. We will also be concerned with ways of "making sense" of such data, using non-numerical techniques.
Prerequisite: SOCI 272

SOCI 403
Ethnography of Special Areas—Field Course in East/Central Europe (3,0,0) 6 credits

This course offers an advanced introduction to the societies and cultures of East/Central Europe by way of a month-long field trip to Austria, Czechoslovakia and Ukraine. Within this area, the religions, ethnic relations, economies and politics shaping the buffer zone between the European East and West are examined ethnographically.
Note: Same course as ANTH 403

SOCI 413
Family and Kinship (3,0,0) or (3,0,0)(3,0,0) 3/6 credits

A cross-cultural survey of ways of defining family relationships and kinship organizations, including theoretical analysis as well as case studies.
Prerequisite: SOCI 111/121

SOCI 420
Complex Organizations (2,1,0) 3 credits

Complex organizations touch virtually all aspects of modern life. This course critically examines the major themes in sociological research on organizations, and discusses the representative theories of bureaucracy, contingency theory, power inside organizations, post-bureaucratic structures, the relationships between these structures and the people that inhabit them and, finally, the ways organizations interact with the larger institutions of society.
Prerequisites: SOCI 352 or instructor's written consent

SOCI 460
Globalization (2,1,0) 3 credits

This course examines 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 forms of interdependence previously unimaginable. But the consequences of these changes are not uniform. The impacts of globalization vary from region to region. This course will explore how people from different nations view globalization. It will also consider how groups work to ensure that globalization contributes to desirable outcomes in local contexts.
Prerequisites: SOCI 111/121

SOCI 462
Social Change (3,0,0) or (3,0,0)(3,0,0) 3/6 credits

Overview of the sweeping social changes and movements that have accompanied the modernization and post-modernization of Western Europe and North America. This includes the emergence of total war, world wars, the rise and fall of fascism and communism, the technological revolution, countercultures and youth movements, periods of boom and depression and the transition to a post-industrial, post-modern society.
Prerequisites: SOCI 111/121

SOCI 464
Social Movements (3,0,0) or (3,0,0)(3,0,0) 3/6 credits

Introduction to the theories and concepts of social movement analysis through the reading of classic studies of actual social movements, political reform and revolution struggles and direct action protests by ordinary people trying to change society from below.
Prerequisite: SOCI 111/121

SOCI 466
Socialization and Education (3,0,0) or (3,0,0)(3,0,0) 3/6 credits

Study of induction into social structures and the acquisition of membership in society. Includes the structure and influence of educational and other socializing institutions.
Prerequisites: SOCI 111/121

SOCI 470
Sociology of Crime and Justice (3,0,0) 3 credits

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, including law, law enforcement, courts and corrections. Issues of ethics, morality and social justice will be raised.
Prerequisite: SOCI 111/121

SOCI 473
Global Social Change (3,0,0) 3 credits

The course provides an introduction to the study of issues facing ordinary people in the formerly colonized countries of Asia, Africa and Latin America. Issues covered may include: dictatorship and human rights abuses; unequal economic development; struggles for decolonization and independence; the status of women; environmental degradation; the situation of ethnic minorities and aboriginal peoples. The course also examines social movements that operate in more than one country, often in order to deal with global-level issues.
Prerequisite: SOCI 111/121

SOCI 475
Contemporary Social Movements (3,0,0) 3 credits

Introduction to the major social movements of our time created by people trying to change society from below as well as to conservative and reactionary counter-movements. This includes such movements as the Women's, Environmental, Trade Union, Social Democratic, Communist, Civil Rights and Black Power, Gay and Lesbian, Quebec Independence, Aboriginal, Anti-War and Anti-Nuclear, Student and Youth, Left Libertarian and Counter-Cultural movements.
Prerequisite: SOCI 111/121

SOCI 481
Directed Studies in Sociology (3,0,0) or (3,0,0)(3,0,0) 3/6 credits

A course 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 111/121, one second-year methods and one third-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 BRD (23) 16-0. Permission of the Instructor.

SOCI 484
Sociology of Health and Illness (3,0,0) or (3,0,0)(3,0,0) 3/6 credits

Sociological perspectives on health, illness, and health care as represented in classic and contemporary sociological studies of selected topics such as illness experience, social aspects of the practice of health professionals, training of health professionals, and the social organization of health delivery systems.
Prerequisite: SOCI 111/121

Spanish

Please note: The ultimate decision on placement is under the authority of the Modern Languages Coordinator.

Failure to complete all components of the course may result in failure.

SPAN 111
Introductory Spanish 1 (4,0,0) 3 credits

The focus of this beginner's course is on the development of communicative skills in speaking, listening, reading and writing as well as on the culture of the Spanish-speaking world. This course makes extensive use of multimedia and computer programmes to facilitate and enhance learning.

This course is not open to students with recent Spanish 11. If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no Spanish in the last two years or more).
Prerequisite: None

SPAN 121
Introductory Spanish 2 (4,0,0) 3 credits

A continuation of SPAN 111.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no Spanish in the last two years or more).
Prerequisite: SPAN 111 or equivalent

SPAN 211
Intermediate Spanish 1 (4,0,0) 3 credits

This course further develops communicative skills in speaking, listening, reading and writing and deals with language from a variety of different areas, registers and periods. This course makes extensive use of multimedia and computer programmes to facilitate and enhance learning.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no Spanish in the last two years or more).
Prerequisite: SPAN 121 or equivalent

SPAN 215
Oral Spanish 1 (4,0,0) 3 credits

Spanish 215 is designed to enhance communication skills. The emphasis will be on oral expression, comprehension, pronunciation and vocabulary expansion. A large number of activities will be included according to the interests of the class.
Prerequisite: SPAN 111/121 or equivalent or instructor's approval

Corequisite: Students are encouraged to take SPAN 211/221 and SPAN 215/225 concurrently.

SPAN 221
Intermediate Spanish 2 (4,0,0) 3 credits

A continuation of SPAN 211.

If in doubt regarding placement, please consult with Modern Languages department (especially if you have had no Spanish in the last two years or more).
Prerequisite: SPAN 211 or equivalent

SPAN 225
Oral Spanish 2 (4,0,0) 3 credits

Spanish 225 will build on spoken skills and fluency acquired in SPAN 215 to allow students to progress to a superior level of expression developing conversational strategies, improving pronunciation, and acquiring practical vocabulary in Spanish. Some reading and written work may be required to form a basis for informed discussions. The course will include a variety of activities such as conversations, interviews, group discussions, role playing, and presentations.
Prerequisite: SPAN 215 or instructor's approval

Corequisite: Students are encouraged to take SPAN 211/221 and SPAN 215/225 concurrently.

SPAN 250
Spanish for Business 1 (4,0,0) 3 credits

Spanish for Business course is designed to provide a basic foundation in vocabulary and discourse related to functional business areas, and practice in writing commercial documents in Spanish. Emphasis will be put on business topics, business vocabulary alongside grammar points. Reading, writing, speaking and listening tasks into a business/commercial context will be exercised. This course will also concentrate on cross-cultural communication between Latin America, Spain and North America.
Prerequisite: SPAN 121, equivalent or written approval of the instructor.

SPAN 251
Spanish for Business 2 (4,0,0) 3 credits

This course is a continuation of SPAN 250. Spanish for Business course is designed to provide a basic foundation in vocabulary and discourse related to functional business areas, and practice in writing commercial documents in Spanish. Emphasis will be put on business topics, business vocabulary alongside grammar points. Reading, writing, speaking and listening tasks into a business/commercial context will be exercised. This course will also concentrate on cross-cultural communication between Latin America, Spain and North America.
Prerequisite: SPAN 250, equivalent or written approval of the instructor.

SPAN 301
Studies in Hispanic Literature 1 (4,0,0) 3 credits

Survey of representative works of literature from Spain and/or Spanish America from the beginning of the 20th century to the present. Conducted in Spanish. This course will examine the relation between literature and other disciplines and present some basic tools and techniques of research and criticism as related to Hispanic literature
Prerequisite: SPAN 211 and SPAN 221, equivalent or written approval of the instructor.

SPAN 302
Studies in Hispanic Literature 2 (4,0,0) 3 credits

This course is a continuation of SPAN 301. Survey of representative works of literature from Spain and/or Spanish America from the beginning of the 20th century to the present. Conducted in Spanish. This course will examine the relation between literature and other disciplines and present some basic tools and techniques of research and criticism as related to Hispanic literature.
Prerequisite: SPAN 301, equivalent or written approval of the instructor.

Speech

SPEE 250
Business Presentations (3,0,0) 3 credits

A study of the communication skills necessary to effectively plan and to conduct business presentations.
Prerequisite: 3 credits of academic English-one of ENGL 110 or ENGL 111 or ENGL 121 or equivalent.

Statistics

To satisfy a prerequisite for any Statistics course numbered 100 or higher, a minimum grade of C- must be attained in each prerequisite course. Higher grades are required in some prerequisite courses as noted.

Statistics Note

Note: Listed below are the introductory courses in statistics currently offered at TRU. Students may normally obtain credit for only one course in this list:
BIOL 300, BUEC 232, MATH 120, PSYC 210,
SOCI 271, SOCI 371, STAT 200.

Students changing programmes will normally be exempted from taking another introductory statistics course if they already have credit for one of the above. The new programme may require such students to learn some selected topics not covered in the specific statistics course already taken.

STAT 120
Introduction to Statistics (3,1,0) 3 credits

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: Principles of Math 11, or Applications of Math 12, or MATH 051 or equivalent. MATH 110 is recommended.

Note: Students may normally receive credit for only one of the following: BIOL 300, BUEC 232, MATH 120, PSYC 210, SOCI 271, SOCI 371, STAT 120, STAT 200

STAT 200
Introduction to Statistics (3,1,0) 3 credits

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 114 or equivalent first semester of calculus

Note: Students may normally receive credit for only one of the following: BIOL 300, BUEC 232, MATH 120, PSYC 210, SOCI 271, SOCI 371, STAT 200

STAT 241
Applied Statistics (3,1,0) 3 credits

The course is designed for students who have already completed an introductory statistics course and desire exposure to further commonly-used statistical techniques. Topics include analysis of variance, multiple regression, goodness of fit, non-parametric techniques, quality control, and decision theory.
Prerequisite: STAT 200 or MATH 120 or equivalent.

Statistics upper level course note

Note: Most 3rd and 4th year statistics courses are offered in alternate years.

STAT 305
Introduction to Statistical Inference (3,1,0) 3 credits

This course examines some of the theory behind statistical inference. Topics include a review of probability theory, sampling distributions, and methods of estimation and hypothesis testing, including maximum likelihood estimation, bootstrapping, Bayesian methods, likelihood ratio testing and confidence interval construction.
Prerequisite: STAT 200 and MATH 302

STAT 306
Applied Regression Analysis (3,1,0) 3 credits

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 which may be included are inverse, robust, ridge and logistic regression.
Prerequisite: MATH 212, STAT 200

STAT 399
Selected Topics in Statistics (3,1,0) 3 credits

This course will consider in depth a selection of topics drawn from Statistics. The particular topics may vary each time the course is offered.
Prerequisite: STAT 200 and at least 3 credits of MATH or STAT at the 200 level or higher, or permission of the instructor

STAT 404
Analysis of Variance (3,1,0) 3 credits

This course discusses 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.
Corequisite: STAT 306

STAT 498
Directed Studies in Statistics - 3 credits

This course is designed to allow students to undertake an investigation on a specific topic as agreed to by the faculty member and the student.
Prerequisite: Permission of the instructor

STAT 499
Selected Topics in Statistics (3,1,0) 3 credits

This course will 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 MATH 302, MATH 303, STAT 305, STAT 306 or permission of the instructor

Student Success Seminars

STSS 050
An Introduction to Student Success (4,0,0) 3 credits

An Introduction to Student Success 050 is designed for University Preparation students to enhance their learning skills and to promote success in their lifelong learning. The course is experimental in nature with practical applications and small group activities designed to improve students' success.
Prerequisite: ENGL 040 or equivalent

Note: This course is taught by the University Preparation Department.

STSS 103
Student Success and Study Skills (1,0,0) 1 credit

This one-credit university course is designed to enhance students' learning skills. It is theory based and experiential in nature. Students will be given opportunities to learn, apply and adopt theories and practical skills which will not only promote their academic success at TRU but also will build a framework for life-long learning.
Prerequisite: One of the following: 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 060, or completion of CESL 053 and CESL 054 (with a C+ or better.

Note: This course is a part of Foundations for Success.

STSS 104
Student Success and Wellness (1,0,0) 1 credit

This one-credit university course is designed to enhance students' wellness and to help them maintain a healthy balance in their lives academically, physically, emotionally and financially. It is theory based, and students will be given opportunities to learn and adopt methods for maintaining this balance through facilitation, small group experience and ongoing self-assessment.
Prerequisite: One of the following: 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 060, or completion of CESL 053 and CESL 054 (with a C+ or better).

Note: This course is a part of Foundations for Success.

STSS 105
Student Success and Communication (1,0,0) 1 credit

This one-credit university course is designed to enhance students' communication skills in an academic environment. Interpersonal communications, oral presentations and media communication/access will be the cornerstones of this course.
Prerequisite: One of the following: 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 060, or completion of CESL 053 and CESL 054 (with a C+ or better).

Note: This course is a part of Foundations for Success.

STSS 106
Intercultural Learning Perspectives (1,0,0) 1 credit

In this one-credit, half semester course students will explore cultural and personal attitudes towards learning in order to enhance their university experience. Students will build confidence and skills for effective intercultural communication and participation in diverse groups. Students will learn to assess their own learning preferences and strengths, consider strategies to enhance their academic success, and work toward building a professional portfolio that reflects their achievements.
Prerequisite: One of the following: 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 060, or 570 TOEFL score, or IBT 88. ESAL 045, 047, 048, 057 or 058 as prerequisite or corequisite.

STSS 107
Performing to Academic Standards (1,0,0) 1 credit

In this one-credit, half semester course students will have many opportunities to practice required academic skills and consider self-directed strategies for improvement. Students will practice argument analysis in order to enhance critical thinking skills. Students will gain a solid understanding of university standards and cultural expectations around academic integrity and practice citation skills required in university level research and writing.
Prerequisite: One of the following: 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 060, or 570 TOEFL score, or IBT 88. ESAL 045, 047, 048, 057 or 058 as prerequisite or corequisite.

Teaching English as a Second Language

TESL 301
Curriculum and Instruction (3,0,0) 3 credits

This course emphasizes the development and practical application of ESL teaching methodology. Topics covered will include: curriculum design; lesson planning; techniques for teaching reading, writing, listening, and speaking; evaluation; and assessment.
Prerequisite: Admission to the TESL program

Corequisite: TESL 302, TESL 303, TESL 304

TESL 302
Applied Linguistics for Teachers (3,0,0) 3 credits

This course focuses on developing knowledge about the English language system in terms of grammar and factors affecting second language learning. Topics covered will include comparative grammars, inter-language awareness, and micro and macro skills related to grammar.
Prerequisite: Admission to the TESL program

Corequisite: TESL 301, TESL 303, TESL 304

TESL 303
Intercultural Communication Studies (3,0,0) 3 credits

This course enables students to gain a better awareness and understanding of culture and values - what they are and how they impact the ESL classroom. Students will examine theoretical models and perspectives in the field of intercultural communication and participate interactively.
Prerequisite: Admission to the TESL program

Corequisite: TESL 301, TESL 302, TESL 304

TESL 304
TESL Techniques (3,0,0) 3 credits

This course offers an introduction to selected studies in current ESL teaching techniques and media. Use of digital technology, including: computers, video, DVDs and language labs will be explored. As well, the course will offer selected studies in current techniques used to teach various ESL disciplines. This course will be offered in a modular format. Students must successfully complete 3 modules to receive credit for this course.
Prerequisite: Admission to the TESL program

Prerequisite: TESL 301, TESL 302, TESL 303

TESL 305
TESL Practicum (3,0,2) 3 credits

The practicum is designed to prepare and support student-teachers through their classroom experience. Students will plan and deliver lessons, discuss classroom management strategies, and reflect on their practicum sessions.
Prerequisite: Admission to the TESL program; TESL 301, TESL 302, TESL 303, TESL 304

Corequisite: TESL 301, TESL 302, TESL 303, TESL 304

Telecommunications

TCOM 210
Basic Radio (90 hours) 3 credits

This course makes the student familiar with AM, FM and multiplex radio principles and the operation of radio receivers and transmitters.
Prerequisite: ELEC 125

TCOM 211
Transmission Lines / Antennas (30 hours) 1 credit

This course is designed to make the students familiar with the terminology and principles associated with transmission lines and antennas and demonstrates to the students wave propagation and antenna designs.
Prerequisite: ELEC 125

TCOM 212
Advanced Microprocessors / Interfacing (90 hours) 3 credits

This course prepares the student to install, test, modify and troubleshoot microprocessor controlled systems and devices.
Prerequisite: ELEC 125

TCOM 213
Advanced Printed Circuit Boards Repair (60 hours) 2 credits

This course develops the skills necessary to perform non-destructive repairs to hole-through and surface-mount circuit boards.
Prerequisite: ELEC 125

TCOM 214
Advanced Radio (90 hours) 3 credits

This advanced course in radio provides the students with the knowledge to enable them to install, test, troubleshoot and repair mobile radios and their associated antennas and includes the theory and testing of cellular radios.
Prerequisite: TCOM 210

TCOM 215
Telephone Systems (60 hours) 2 credits

This course is designed to make students familiar with the terminology and principles associated with the telephone industry and students learn about the functions of telephone components, connectors and cables.
Prerequisite: ELEC 125

TCOM 216
Digital Communications (60 hours) 2 credits

This course is designed to provide students with the understanding of system conversions of analog to digital and digital to analog that are used in telecommunications systems.
Prerequisite: ELEC 125

TCOM 220
Data Communications (60 hours) 2 credits

This course is designed to provide students with the terminology and principles associated with data communications and to enable them to make the appropriate cable connections and install, test and troubleshoot data communications links.
Prerequisite: TCOM 216

TCOM 221
Networking (30 hours) 1 credit

This course is designed to make the students familiar with the terminology and principles associated with networks and provide skills necessary to install, configure and test wired and wireless networks.
Prerequisite: TCOM 220

TCOM 222
Telephone Switching Systems (90 hours) 3 credits

This course is designed to provide students with the skills necessary to install, test, modify and troubleshoot PBX and Key telephone switching systems.
Prerequisite: ELEC 125

TCOM 223
Video (90 hours) 3 credits

This course provides the students with the terminology and principles associated with video signals and televisions and enables them to test, troubleshoot and repair televisions, monitors and video systems.
Prerequisite: TCOM 210

TCOM 224
Microwave Radio (30 hours) 1 credit

This course is designed to make the students familiar with the terminology and be able to identify the components associated with microwave systems. System testing and alignment is also covered.
Prerequisite: TCOM 210

TCOM 225
Satellite Systems (60 hours) 2 credits

This course will provide students with the skills necessary to install, test, modify and troubleshoot satellite systems.
Prerequisite: TCOM 210

TCOM 226
Fibre Optics (60 hours) 2 credits

This course provides students with the understanding of theory associated with optical fibre systems and will provide the skills necessary to install connectors and splice optical fibres and enable students to test optical links.
Prerequisite: TCOM 216

TCOM 227
Facsimile Systems (30 hours) 1 credit

This course is designed to make the students familiar with the terminology and principles associated with facsimile systems and provide the skills necessary to install, configure and test fax systems.
Prerequisite: ELEC 125

TCOM 228
Projects (30 hours) 1 credit

Students will display their skills and knowledge attained throughout the program by designing and building a project related to Telecommunications.
Prerequisite: ELEC 125

Theatre

THTR 110
Introduction to Theatre 1 (3,0,0) 3 credits

A lecture and discussion oriented course designed to acquaint students with the various aspects of the theatrical process such as issues in acting, directing and staging. There is discussion of traditional as well as modern experimental theatre, theory and criticism. Students are expected to participate in several practical projects and attend several local professional theatre productions.

THTR 111
Introduction to Acting (3,1,0) 3 credits

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 120
Introduction to Theatre 2 (3,0,0) 3 credits

A continuation of THTR 110.
Prerequisite: THTR 110

THTR 121
Introduction to Acting 2 (3,1,0) 3 credits

A continuation of the work begun in Theatre 111. This course focuses on the analysis and development of character portrayal. Working with a script and a study of the actor's role in the performance situation will be emphasized. A studio/workshop production is planned for the end of the term.
Prerequisite: THTR 111 or instructor's written consent.

THTR 150
Play Production (1,0,8P) 3 credits

Play Production is designed for those students who have auditioned and been cast in a TRU Actor's Workshop stage production. These students will rehearse and perform for public presentation the play that will be staged in the appropriate semester.
Prerequisite: Successful audition for a TRU Actor's Workshop Production.

THTR 211
Acting and Character Portrayal (3,1,0) 3 credits

A performance oriented course designed to provide second year acting students with intensive work in scene study and the development of character for stage.
Prerequisite: B- or better in both THTR 111/121 or instructor's written consent.

THTR 212
Introduction to Technical Theatre (1,1,3) 3 credits

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.
Note: Credit cannot be given for both THTR 112/122 and 212/222.

THTR 215
Production and Stage Management 1 (1,1,2) 3 credits

Production and Stage Management is a practical course designed to teach students how to successfully manage a theatrical production.
Prerequisite: THTR 222 or equivalent

THTR 221
Acting and Character Portrayal 2 (3,1,0) 3 credits

A continuation of THTR 211.
Prerequisite: THTR 211 or instructor's written consent.

THTR 222
Introduction to Technical Theatre 2 (1,1,3) 3 credits

A continuation of Theatre 212.
Prerequisite: THTR 212 or instructor's written consent.

Note: Credit cannot be given for both THTR 112/122 and 212/222.

THTR 225
Production and Stage Management 2 (1,1,2) 3 credits

A continuation of THTR 215.
Prerequisite: THTR 215

THTR 250
Play Production (1,0,8P) 3 credits

Play Production is designed for those students who have auditioned and been cast in a TRU Actor's Workshop stage production. These students will rehearse and perform for public presentation the play that will be staged in the appropriate semester.
Prerequisite: Successful audition for a TRU Actor's Workshop Production.

THTR 311
History of Theatre to the Renaissance (3,0,0) 3 credits

This course examines cultural performance in tribal, ritual, popular, and formally theatrical contexts, from ancient times, including the classical Greek, to the middle ages and renaissance. Also explored will be the transformation of ancient performative genres into modern performance practices, as well as the definition of cultural performance as a useful, critical term.

THTR 312
History of Theatre From Renaissance to 1800 (3,0,0) 3 credits

This course examines cultural performance in the Elizabethan, Restoration, and Eighteenth-Century contexts. Also explored will be the transformation of these performative genres into modern performance practices, as well as the definition of cultural performance as a useful, critical term.

THTR 321
History of Modern Theatre, 1700 to the Early Twentieth Century (3,0,0) 3 credits

There will be examination of selected major theatrical figures and movements from the Enlightenment to the early twentieth century, as they represent and comment upon their particular cultures. We will also study theoretical concepts such as modernism and postmodernism as they derive from and inform the study of theatre in its sociocritical context.

THTR 322
History of Modern Theatre in the Twentieth Century (3,0,0) 3 credits

There will be examination of selected major theatrical figures and movements in the modern period, as they represent and comment upon their particular cultures. We will also study theoretical concepts such as postmodernism as they derive from and inform the study of theatre. Special emphasis will be placed upon the latter decades of the twentieth century.

THTR 326
History of Canadian Theatre to 1950 (3,0,0) 3 credits

A survey of the major theatrical events in Canada, from native and colonial theatre to the 1950s. There will be consideration of selected topics from British Columbia and local theatre.

THTR 327
History of Canadian Theatre after 1950 (3,0,0) 3 credits

A survey of the major theatrical events in Canada, with emphasis on the modern period of the last five decades. There will be consideration of selected topics from British Columbia and local theatre.

THTR 350
Play Production (1,0,8P) 3 credits

Play Production is designed for those students who have auditioned and been cast in a TRU Actor's Workshop stage production. These students will rehearse and perform for public presentation the play that will be staged in the appropriate semester.
Prerequisite: Successful audition for a TRU Actor's Workshop Production.

THTR 360
The Role: Interpretation and Characterization (2,2,0)(2,2,0) 6 credits

Emphasis will be on externalizing the inner character in conjunction with work in textual analysis, improvisation and internal techniques.
Prerequisite: THTR 211/221

THTR 370
Oral Interpretation (4,0,0) 3 credits

A one semester study of the principles and performance requirements necessary for effective Oral Interpretations of various literary styles including poetry, prose, and drama.
Prerequisite: None

THTR 380
Voice for the Stage (2,2,0) 3 credits

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.
Prerequisite: B- or better in THTR 211/221 or permission from the instructor

THTR 400
Direction and Staging (3,2,0)(3,2,0) 6 credits

A study of the processes of stage direction and the development of a method for transferring the script to the stage.
Prerequisite: THTR 360

THTR 425
The Theatre of British Columbia Before 1950 (3,0,0) 3 credits

This course examines the diverse performance cultures of British Columbia before 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 postcolonial criticism.

THTR 426
The Theatre of British Columbia After 1950 (3,0,0) 3 credits

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 postcolonial criticism.

THTR 430
Studies in Performance Theory (3,0,0) 3 credits

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/visual arts, in literature, as well as in the social sciences. The course will focus 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 might typically be studied, while performers, writers, artists, directors drawn from students' own interests will also be considered.
Prerequisite: None

THTR 450
Play Production (1,0,8P) 3 credits

Play Production is designed for those students who have auditioned and been cast in a TRU Actor's Workshop stage production. These students will rehearse and perform for public presentation the play that will be staged in the appropriate semester.
Prerequisite: Successful audition for a TRU Actor's Workshop Production.

THTR 460
Acting Styles (2,2,0)(2,2,0) 6 credits

An introduction to styles of acting in various historical periods.
Prerequisite: THTR 360

THTR 490
Directed Studies - Special Topics in Theatre Arts (3,0,0) 3 credits

Designed for Theatre Majors in their final year of studies, THTR 490 offers students the opportunity to work on a special topic in Theatre Arts with an individual Theatre Arts Faculty member. Topics 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.

Tourism Management

TMGT 100
Field Trip Activity Fee (Tour Coordinator Certificate Program)

Required for all students of the Tour Coordinator Certificate Program. The opportunity to better understand concepts discussed in the classroom by exposure to their application in industry.

TMGT 101
Tour Guiding (2,1,1) 3 credits

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.

TMGT 102
Cultural, Heritage and Nature Interpretation (2,0,2) 3 credits

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.

TMGT 103
Group Tour Operations 1 (2,1,1) 3 credits

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.

TMGT 104
Group Tour Operations 2 (0,0,35) 2 credits

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, costing, developing an itinerary, delivering tour commentary on-site and conducting a group tour operation through to completion.

TMGT 105
Travel Destinations (3,0,0) 3 credits

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 109
First Nations Cultures of the British Columbia Plateau (3,0,0) 3 credits

This course is an introduction to the traditional cultures of the Aboriginal peoples of the interior BC Plateau. Drawing on ethnographic, archaeological and linguistic information, students will learn about the similarities and differences in: cultural knowledge and practices; language; social and political organization; traditional economy and resource gathering.

TMGT 110
Plateau Ethnobotany (3,0,0) 3 credits

This course is an introduction to the study of plant knowledge and use by First Nations peoples in British Columbia. The course will provide students with information about the role of plants in First Nations cultures, including such areas as foods, medicines, technology, ceremony, and as ecological indicators within First Nations' knowledge and classification systems. Special focus may be placed on the Ethnobotany of one or more specific Aboriginal groups or culture areas. This course will normally be offered during the intersession of summer session, and will involve some field excursions and labs.

TMGT 111
The Tourism Industry (3,0,0) 3 credits

This course provides an overview of the tourism industry and its role in the economy. Topics covered during the semester will include the major industry sectors, the tourism product in B.C., the structure of the industry and case studies examining some of the key issues in tourism today. Students will also be given the opportunity to identify career opportunities in the tourism industry.

TMGT 114
Human Resources Management (3,0,0) 3 credits

Changing values, shifting demographics, evolving legislation and a growing emphasis on social responsibility are among the forces shaping the way we manage people today. This course will examine human resource management issues as they relate to the tourism industry. Topics covered will include human resource planning, the legal environment, recruitment and selection, evaluation and development, compensation, and emerging issues and trends.

TMGT 115
Marketing and Customer Service (4,0,0) 3 credits

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.

TMGT 116
Organizational Leadership in Tourism (3,0,0) 3 credits

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.

TMGT 207
Staging Special Events (3,0,0) 3 credits

This course is a basic introduction to the skills and terminology of the technical aspects of staging festivals, special events, concerts and conventions. Learners will be exposed to some of the fundamentals of staging including set design, lighting, and sound.
Prerequisite: Admission to the Tourism Management Department

TMGT 225
Hospitality Law (3,0,0) 3 credits

This course examines 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. Particular emphasis will be placed on the legal problems regularly faced by business firms within this industry and their possible solutions.

TMGT 259
Entrepreneurship (4,0,0) 3 credits

This course is designed to introduce students to entrepreneurship. Students will 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. Other topics include: generating ideas for a business venture, opportunity analysis, locating and mobilizing resources, and developing a business plan.
Prerequisite: TMGT 115 and ACCT 101 or equivalent

TMGT 261
Environmental Issues in the Tourism Industry (3,0,0) 3 credits

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 will explore the challenges facing the tourism industry in attempting to create a balance between environmental and economic concerns. Students will examine the current "Greening" of the industry and investigate environmental policies and procedures implemented by tourism organizations.

TMGT 298
Special Topics in Tourism (3,0,0) or (6,0,0) 3/6 credits

Course content will vary depending on the interests of faculty and students. Credits for the course will be determined as per Policy ED-8-0.
Prerequisite: Permission from the Tourism Management Department

TMGT 301
Community and Cultural Issues in Tourism (3,0,0) 3 credits

This course provides insight into what culture is and looks at the ways in which cultures meet and interact in tourism settings. Consideration is given to cross-cultural issues, and challenges in meeting the needs of both the "host" community and the "guest" from a tourism perspective. The range and diversity of cultural issues will be identified and market place approaches and techniques for promoting and managing cultural tourism will be explored.

TMGT 302
Tourism Policy and Planning (2,1,0) 3 credits

This course will introduce students to policy and planning theories and their application to tourism. Students will also examine the relationship between tourism, public policy, planning and development.

TMGT 304
Land Use Management and Tourism (3,0,0) 3 credits

This course will review the theory and practice of land use planning and management in western Canada, and specific examples of land use issues in the development of tourism businesses and opportunities. The course reviews various land use designations that are important to tourism development, the policy and process for developing commercial recreation on crown land, and various management strategies aimed at optimizing the use of natural areas for quality recreation/tourism experiences. Other topics include: land access, impact assessment, public and private commercial use competition, zoning, and the economics and sustainability of commercial operations.

TMGT 305
Research in Tourism (3,1,0) 3 credits

This course is designed to introduce students to the process of conducting and evaluating research in the field of tourism.
Prerequisite: STAT 120 or equivalent

TMGT 398
Special Topics in Tourism (3,0,0) or (6,0,0) 3/6 credits

Course content will vary depending on the interests of faculty and students. Credits for the course will be determined as per Policy ED-8-0.
Prerequisite: Permission from the Tourism Management Department

Tourism Management 4th Year Note

Please Note: Some 4th year courses may be offered in alternating years depending on demand. Please check with the BTM Advisor at (250) 371-5988 or rhood@cariboo.bc.ca (mailto:rhood@tru.ca) to determine when courses will be offered.

TMGT 401
Tourism Product Development and Innovation (3,0,0) 3 credits

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 work forces.
Prerequisite: Third-year standing in the BTM program

TMGT 402
Graduating Seminar (0,3,0) 3 credits

Research and professionally present a major project with direct application to the tourism industry.
Prerequisite: TMGT 305 and fourth-year standing in the BTM program

TMGT 403
Resort Management (3,0,0) 3 credits

Students will develop an understanding of how and why resort properties are developed as tourist destinations. Focus will be on the planning, development, operation, design, financing and special needs of such properties.
Prerequisite: Third-year standing in the BTM program

TMGT 404
Tourism and Sustainable Development (3,0,0) 3 credits

Examine the processes involved in planning and developing a tourism destination, including the required infrastructure. The major focus will be on the benefits and impacts associated with tourism development, as well as the strategies for maximizing benefits while minimizing adverse effects. Major topics include planning approaches, regional planning, and community tourism planning.
Prerequisite: Third-year standing in the BTM program

TMGT 405
Event Tourism (3,0,0) 3 credits

Examine the emerging field of event tourism and identify market opportunities and trends. Topics covered include planning, marketing, staffing, producing, and fiscal and quality control of special events.
Prerequisite: Third-year standing in the BTM program

TMGT 406
Selected Topics in Tourism (1,3,0) 3 credits

Survey of various issues and events that influence the travel and tourism industry. Course topics will vary to ensure a timely coverage of issues and trends.
Prerequisite: Third-year standing in the BTM program

TMGT 407
Directed Studies in Tourism (0,3,0) 3 credits

This independent study course is designed to allow students the opportunity to investigate a specific field or topic in Tourism. Consultation with, and permission of, a BTM faculty member and the Dean is required.
Prerequisite: Must be a third or fourth year student in the BTM program.

TMGT 412
Developing New Tourism Enterprises (3,0,0) 3 credits

Building upon the foundation laid in TMGT 401 (Tourism Product Development and Innovation), this course will guide students through the process of conceiving and planning a new tourism business. Topics covered will 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 401 and third-year standing in the BTM program

TMGT 413
Tourist Behaviour (3,0,0) 3 credits

This course explores the determinants that shape tourist behaviour. Using both a theoretical and applied approach, students will examine how and why people purchase and consume travel and tourism products. Topics covered will include travel and tourism motivations, destination choice, personality and psychographics, the tourist decision process, the tourist experience, and post-experience behaviour.
Prerequisites: HMGT 212, CONV 125 or CONV 219, admission to the Bachelor of Tourism Management program and 60 credits

TMGT 414
Tourism Strategy (3,0,0) 3 credits

This course explores strategic management and planning in a tourism context. Using both a theoretical and practical approach, students will examine the concepts of strategic planning and competitive strategy and how they can be successfully applied by organizations in an increasingly complex and global tourism environment.
Prerequisite: HMGT 212, CONV 125 or CONV 219; and third-year standing in the BTM program

TMGT 415
Managing Small Tourism Enterprises (3,0,0) 3 credits

This course examines the environment of small tourism firms and the unique challenges of management both in growth-oriented and small "life style" tourism firms. The focus will be on formulating and developing strategies that will allow these firms to thrive in this dynamic and highly competitive environment.
Prerequisite: HMGT 212, CONV 125 or CONV 219; and third-year standing in the BTM program

TMGT 416
Tourism in a Global Environment (3,0,0) 3 credits

This course examines tourism and its dynamics from a global perspective. Specifically, students will 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 tourism businesses can develop to thrive in this environment.
Prerequisite: TMGT 301, TMGT 302 and third-year standing in the BTM program

TMGT 417
Information Technology and Tourism (3,0,0) 3 credits

This course examines the relationship between information technology (IT) and tourism from both a consumer and organizational perspective. Specifically, the course will encourage students to critically evaluate current and emerging developments in IT and their impact on tourism consumers and suppliers. Students will 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: Third-year standing in the BTM program

TMGT 418
Managing the Tourist Experience (3,0,0) 3 credits

This course examines the management of service products and operations with a particular focus on tourist services or "experiences" (as they are increasingly characterized). The tourism product holds an important position in the fast growing experience economy, requiring firms marketing these intangible products to overcome unique challenges. The intent of the course is to provide students with the concepts, tools, and a strategic focus to effectively manage the tourist experience and to investigate how experiences are designed, delivered, and evaluated. Students will be encouraged to employ innovative approaches in the application of the knowledge they acquire to real business settings.
Prerequisite: STAT 120 and third-year standing in the BTM program

TMGT 419
Tourism Enterprise Consulting Project (0,1,4P) 6 credits

This course requires students to undertake a consulting assignment in a real business setting. The objective of this course is to provide students with the opportunity to build upon and apply the knowledge and skills acquired in previous work experience and courses throughout their studies in the Bachelor of Tourism Management program in a consulting assignment for a small to medium-sized tourism enterprise. Through a series of seminars and field work students will secure a consulting assignment with a business organization, work closely with the owner/managers to identify a specific problem or challenge facing the firm, set objectives, then research, prepare, and present a report addressing this problem.
Prerequisite: TMGT 305 and and 4th year standing in the BTM program

TMGT 421
Casino Operations Management (3,0,0) 3 credits

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: Third-year standing in the BTM program

TMGT 498
Special Topics in Tourism (3,0,0) or (6,0,0) 3/6 credits

Course content will vary depending on the interests of faculty and students. Credits for the course will be determined as per Policy ED-8-0.
Prerequisite: Permission from the Tourism Management Department

TMGT 499
Honours Thesis (0,3,0) 6 credits

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 305.

Visual Arts

VISA 101
2-D Foundation 1 (3,1,0) 3 credits

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.
Prerequisite: None

VISA 102
2-D Foundation 2 (3,1,0) 3 credits

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 101

VISA 103
3-D Foundation (3,1,0) 3 credits

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.
Prerequisite: VISA 101

VISA 104
Fundamentals of Photography (3,1,0) 3 credits

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.
Prerequisite: None

VISA 111
History of Art 1 (3,1,0) 3 credits

Survey of the Arts of Painting, Sculpture, and Architecture from primitive man up to the Renaissance and including the Baroque period.
Prerequisite: None

VISA 112
History of Art 2 (3,1,0) 3 credits

A survey course in Art History from the Renaissance to the 20th Century.
Prerequisite: VISA 111

VISA 121
Drawing 1 (3,1,0)(L) Studio - 3 credits

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.
Prerequisite: None

VISA 122
Drawing 2 (3,1,0)(L) Studio - 3 credits

A continuation of VISA 121, building on basic drawing skills, history and theory. This will cover further concepts such as texture and colour as well as 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 will fortify theory. Practical aspects of assignments will be introduced in class but students are advised to timetable studio time in addition to class time in order to complete assignments for critique.
Prerequisite: VISA 121 or equivalent.

VISA 150
Introduction to Visual Culture (3,0,0) 3 credits

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.
Prerequisite: None

VISA 211
History of Art 3 (3,0,0)(L) Studio - 3 credits

Renaissance art and architecture.
Prerequisite: VISA 112

VISA 212
History of Art 4 (3,0,0) 4 credits

17th and 18th Century art and architecture.
Prerequisite: VISA 211

VISA 213
A Survey of Modern Art 1 (3,0,0) 3 credits

This course will identify the origins of Modern Art in the mid-19th Century and trace its development up to World War II. Evidence of those 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 will be marked for special study.
Prerequisite: VISA 112

VISA 214
A Survey of Modern Art 2 (3,0,0) 3 credits

This is the second part of the two semester Survey of Modern Art. This course will pick up the Modern movement after World War 2 and follow its development to Post Modernism.
Prerequisite: VISA 213

VISA 215
A Survey of the History of Canadian Painting (3,0,0) 3 credits

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.
Prerequisite: None

VISA 221
Drawing 3 (3,1,0)(L) Studio - 3 credits

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 102, VISA 122

VISA 222
Drawing 4 (3,1,0)(L) Studio - 3 credits

This course is a continuation of the issues introduced in VISA 221. 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 221

VISA 231
Sculpture 1 (3,1,0)(L) Studio - 3 credits

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 102, VISA 103, VISA 121

VISA 232
Sculpture 2 (3,1,0)(L) Studio - 3 credits

This course is a continuation of VISA 231. 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 231

VISA 241
Introductory Ceramics 1 (3,1,0)(L) Studio - 3 credits

Students will study traditional methods of ceramic techniques through the ages and the innovative methods of contemporary ceramic artists. Slide lectures, seminar discussions and group critiques will be 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 will be demonstrated. Students will need to reserve additional time in the studio to put what they learn from class demonstrations into practice.
Prerequisite: VISA 102, VISA 103, VISA 121

VISA 242
Introductory Ceramics 2 (3,1,0)(L) Studio - 3 credits

In this semester students will 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 will be introduced to contemporary ceramic artists, their methods and firing techniques. Contemporary approaches for producing ceramic sculptures will be demonstrated and adaptations of traditional production methods for personal expression will be work-shopped. Students will need to reserve additional time in the studio to put what they learn from class demonstrations into practice.
Prerequisite: VISA 241

VISA 251
Printmaking: Screen Printing 1 (3,1,0)(L) Studio - 3 credits

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 102, VISA 121

VISA 252
Printmaking: Screen Printing 2 (3,1,0)(L) Studio - 3 credits

A continuation of VISA 251. 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 251

VISA 253
Printmaking: Etching and Relief 1 (3,1,0) 3 credits

This is an introductory course in printmaking which emphasizes basic processes of relief and intaglio printing. It will include a consideration of such mediums 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, also, to provide an understanding of how such current approaches relate to relief and intaglio prints of Western European masters of the past. Out of class studio work will be required in order to complete projects introduced and demonstrated during the class time.
Prerequisite: VISA 102, VISA 121

VISA 254
Printmaking: Etching and Relief 2 (3,1,0) 3 credits

This course will serve as a continuation of VISA 253. In this course a greater emphasis will be placed on intaglio processes. This will involve the furthering of these techniques through such processes as collographs, chine-colle, color printing, and the use of multiple plates. Students will learn these new techniques, while furthering their understanding of the basic processes of intaglio and relief printing. They will do so within an increasing understanding of historical and contemporary approaches to these mediums as well as an ongoing exploration of personal imagery. Out of class studio work will be required in order to complete projects introduced and demonstrated during the class time.
Prerequisite: VISA 253

VISA 255
Printmaking: Lithography 1 (3,1,0)(L) Studio - 3 credits

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 102, VISA 121

VISA 256
Printmaking: Lithography 2 (3,1,0)(L) Studio - 3 credits

This course is a continuation of the issues introduced in VISA 255. 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 255. 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 255

VISA 261
Painting 1 (3,1,0)(L) Studio - 3 credits

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 102, VISA 121

VISA 262
Painting 2 (3,1,0)(L) Studio - 3 credits

This winter semester course will be a continuation of VISA 261 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 261

VISA 271
Introduction To Photography 1 (3,1,0)(L) Studio - 3 credits

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 102, VISA 121

VISA 272
Introduction To Photography 2 (3,1,0)(L) Studio - 3 credits

This course is a continuation of VISA 271. 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 271

VISA 281
Special Topics in Visual Arts (3,1,0) 3 credits

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 may be open to students outside the Fine Arts dependant upon the particular offerings in any given semester. 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 or Co-ordinator to find out about prerequisites as they may vary from offering to offering.

VISA 301
Gallery Studies: Exhibition Curating (2,1,0) 3 credits

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 111/112, VISA 150

VISA 302
Gallery Studies: Exhibition Installation (1,2,1)(L) 3 credits

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 111/112, VISA 150

VISA 303
Gallery Studies: Gallery Administration (2,1,0) 3 credits

In this course the students will study the different types of galleries which exist in Canada, and of the ways in which their management and programming are structured. The range of galleries considered will include public and private galleries as well as artist-run spaces. The course will provide an understanding of the various positions in a gallery, including: Director, Curator, Registrar, and Installation staff, as well as volunteers, various committees and the Board of Directors. Students will also study granting agencies for the visual arts in Canada, including those at the municipal, provincial and national levels.
Prerequisite: Third-year standing, VISA 111/112, VISA 150

VISA 304
Gallery Studies: Public Art (2,1,0) 3 credits

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. Similarly, 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 111/112, VISA 150

VISA 313
Critical Studies in Photographic Histories (3,0,0) 3 credits

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 area which examine material culture in the nineteenth and twentieth centuries.
Prerequisite: Third-year standing

VISA 315
Art of the Italian Renaissance from Giotto to Michelangelo (HUM) (2,1,0)(2,1,0) 6 credits

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.
Prerequisite: Third-year standing

VISA 331
Studio Media: Sculpture (CPA) (2,1,0)(2,1,0)(L) 6 credits

This course will draw upon some particular theme in sculpture as the basis for an on-going exploration of several separate but linked projects. While such particular themes as "public sculpture," or "cabinets of wonder" will vary from year to year, a consistent theme will be the linking of contemporary, post-modern, approaches to sculpture to earlier modern and pre-modern histories of artistic practice. Such historical material will be considered during seminar discussions and presentations. Seminars 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: Foundation Year

VISA 341
Ceramics 3 (3,1,0)(L) Studio - 3 credits

Following on from Introductory Ceramics, students will be introduced to further techniques, and will improve on their wheel skills and will undertake more ambitious projects that will incorporate them. Through readings, discussions and slides and videos they will familiarize themselves with recent innovations in the ceramic field and important artists working in the area.
Prerequisite: VISA 242

VISA 342
Ceramics 4 (3,1,0)(L) Studio - 3 credits

Students will learn about the nature of glazes and to calculate their own using the unity formula. Studio work will be thematic, and students should be prepared to research and write about their ideas as well as exploring those ideas through designs and maquettes prior to realising them. Library research and presentations are a required part of the course and artists' statement will accompany each major assignment.
Prerequisite: VISA 341

VISA 343
Advanced Wheel Throwing (2,1,0)(L) 3 credits

Students entering the course will already have some wheel experience which will provide the basis upon which they will build and improve their skills. Through slides, seminars and by using the library, students will research high points in the history of Ceramics and the significance of the wheel both culturally and artistically since its inception. They will use this information in a Post-Modern context as a starting point for their work and will also identify ceramic artists who use, or have utilised the wheel as their primary method of working, and with whom they can identify. Students will set goals early on and will 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 will be a required component.
Prerequisite: VISA 342

VISA 344
Ceramic Sculpture (2,1,0)(L) 3 credits

This course is designed for those who, having completed VISA 342, want to pursue and develop sculptural ideas in the context of clay. Students will familiarize themselves with artists worldwide who have chosen clay as their means of communication and will 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 342

VISA 351
Studio Media: Printmaking (CPA) (2,1,0)(2,1,0)(L) 6 credits

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 254

VISA 352
Printmaking: Intermediate Screen-Printing (2,1,1)(L) 3 credits

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 and 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 252

VISA 361
Painting 3 (3,1,0)(L) Studio - 3 credits

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 262

VISA 362
Painting 4 (3,1,0)(L) Studio - 3 credits

This course is a continuation of the issues introduced in VISA 361. 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 361

VISA 363
Studio Media: Painting and Drawing (CPA) (2,1,0)(2,1,0)(L) 6 credits

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 262

VISA 371
Photography 3 (3,1,0)(L) Studio - 3 credits

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 272

VISA 372
Photography 4 (3,1,0)(L) Studio - 3 credits

This course is a continuation of the issues introduced in VISA 371. 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 371

VISA 373
Studio Media: Photography and Literature - A Canadian Perspective (CPA) (2,1,0)(2,1,0)(S) 6 credits

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 381
Directed Studies: 2D (3,0,0)(3,0,0)(L) 3/6 credits

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 382
Directed Studies: 3D (2,1,0)(2,1,0)(L) 3/6 credits

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 383
Special Topics in Visual Arts (3,1,0)(L) 3 credits

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 Co-ordinator to find out about prerequisites as they may vary from offering to offering.

VISA 474
Photojournalism (3,1,0)(L) 3 credits

This course will build upon the basic photographic skills acquired during VISA 104. Increasing emphasis will be placed upon those technical and conceptual skills that will best prepare the student for approaching print journalism with 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 will be expected to work in the darkroom on their own time and with whatever photographic equipment and processes that are made available to them
Prerequisite: VISA 104

Corequisite: VISA 104 and permission of the instructor

VISA 491
Directed Studies: Studio (2,1,0)(L) 12 credits

This is a senior level directed studies course in Studio. Students in this course will work under the supervision of an advisor towards the creation of an independent body of work. That body of work may be created within one medium of may be approached in a more interdisciplinary manner as agreed upon by the student and their advisor. Students in this course will also take VISA 499, the Graduating Seminar, which will serve as a wider forum in which their works will be considered.
Prerequisite: 18 Third Year Visual Arts credits, including VISA 301 and VISA 302

Corequisite: VISA 499

VISA 492
Directed Studies: Gallery Studies (2,1,0)(L) 12 credits

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 499, the Graduating Seminar, which will serve as a wider forum in which their exhibition projects will be considered.
Prerequisite: 18 third year Visual Arts credits, including VISA 301 and VISA 302

Corequisite: VISA 499

VISA 499
Graduating Seminar (1,2,0) 6 credits

This course will serve as a forum for all of the students enrolled in VISA 491, Directed Studies: Studio, and VISA 492, 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 491 or VISA 492

Water Treatment Technology

WTTP 170
Water Sources (3,0,0) 3 credits

This course provides training in the development of new and existing water sources. It focuses 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: Industry experience or acceptance into the Water Treatment Technology program

WTTP 171
Water Treatment 1 (3,0,0) 3 credits

This is a basic water treatment course with emphasis on environmental applications, focusing on past, present and future technologies concerned with water treatment. The major emphasis will cover: operator responsibilities, water sources, reservoir management, coagulation and flocculation processes, sedimentation, filtration, disinfection, corrosion control, and basic water treatment sampling procedures.
Prerequisite: Industry experience or acceptance into the Water Treatment Technology program

WTTP 172
Applied Math and Science (3,0,0) 3 credits

This course introduces students 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: Industry experience or acceptance into the Water Treatment Technology program

WTTP 173
Mechanical Systems 1 (3,0,0) 3 credits

This course covers principles of piping, pumps and valves as they apply to the support systems in water treatment facilities. The principles of Cross Connection control will also be covered.
Prerequisite: Industry experience or acceptance into the Water Treatment Technology program

WTTP 174
Environmental and Health Issues (3,0,0) 3 credits

This course provides a foundation in three topic areas, legislation, safety, and communications. Under the legislative section the 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 will cover topics such as occupational health and safety as it applies to operations and management of water systems. The third section will cover oral and written communication skills required for operators dealing with specific situations that arise through interactions with the public.
Prerequisite: Industry experience or acceptance into the Water Treatment Technology program

WTTP 180
Electrical Principles Level 1 (3,0,0) 3 credits

This course offers an introduction to the electrical trade as it applies to the day to day operation of water/waste water treatment plants. Topics discussed include basic electrical principles, electrical safety, motor control principles, and the fundamentals of electric motors. This course is designed for plant operators so they can develop more awareness of the principles and allow them to function more effectively.
Prerequisite: Industry experience or completion of the Level 1 portion of the program

WTTP 182
Instrumentation 1 (3,0,0) 3 credits

This course offers an introduction to instrumentation as it applies to the day to day operation of water/waste water treatment plants. Topics discussed include process control principles, terminology, and trouble shooting techniques.
Prerequisite: Industry experience or completion of the Level 1 portion of the program and WTTP 180

WTTP 183
Mechanical Systems 2 (3,0,0) 3 credits

This course is a continuation of Mechanical Systems 1 course and covers in more detail the selection, operating principles, adjustment and maintenance of mechanical equipment used in water treatment processes and facilities. The course is arranged in three general sections, starting with primary process equipment, secondary process equipment and finally building mechanical systems.
Prerequisite: Industry experience or completion of the Level One portion of the program

WTTP 185
Water Treatment 2 (3,0,0) 3 credits

This course is a continuation of Water Treatment 1. More advanced topics such as water softening, ph control, pre-oxidation and dissolved metals removal will be covered. An overview of chemical feed systems as well as chemical dosage calculations will also be covered.
Prerequisite: Industry experience or completion of the Level 1 portion of the program

WTTP 189
Onsite Practicum 1 (2,0,0) 2 credits

This course allows the student to experience hands-on, practical training important to the development of future operators. Students would progress through practical experiences involving basic electrical and instrumentation, mechanical system maintenance, laboratory procedures and plant operation fundamentals.
Prerequisite: Industry experience or completion of WTTP 171, WTTP 173, WTTP 180, WTTP 182

WTTP 270
Electrical Fundamentals 2 (3,0,0) 3 credits

This course offers a more advanced study into the electrical trade as it applies to the day-to-day operation of water/waste water treatment plants. Topics discussed include advanced motor controls, basic electronic devices, electronic speed drives and the basics of programmable logic controllers. It is important to note that this course is not designed to create tradespersons, but is designed from the viewpoint of plant operators, so they can develop more awareness of the trades and allow them to function more effectively. Having more advanced training should make them more effective in diagnosing plant problems and directing tradespersons to the possible root cause of a failure.
Prerequisite: Industry experience or completion of the Level Two portion of the program

WTTP 271
Water Chemistry (3,0,0) 3 credits

This course will provide an introduction to the study of water chemistry. The focus will be on chemistry fundamentals that water operators will require for problem analysis related to water treatment. Areas of study include pH, alkalinity, inorganic (metals and non-metals, anion/cations) and organic (hydrocarbons, aromatics, detergents, pesticides) species that are found in water. Practical examples of removal and treatment of chemicals found in water will be provided.
Prerequisite: Industry experience or completion of the Level Two portion of the program

WTTP 272
Advanced Coagulation and Particle Removal (3,0,0) 3 credits

This course is a continuation of Water Treatment 2 where coagulation in general terms was introduced. Topics include a more advanced study of coagulation and flocculation process including the chemical reactions that take place and how coagulants and polymers are used for various processes in water treatment. Clarifiers, Dissolved Air Floatation (DAF's) and other emerging technologies such as Actiflo systems will also be covered. This course will give operators a more complete understanding of the processes behind coagulation, enabling them to keep up with the ever-changing technologies of this field.
Prerequisite: Industry experience or completion of the Level 2 portion of the program

WTTP 273
Filtration (3,0,0) 3 credits

The purpose of this course is to provide students with an in-depth understanding of the principles behind some of the more common water filtration systems being used today. Technologies covered will include slow and rapid sand filtration, sediment filtration, membrane technologies, diatomaceous earth filters and solids separation pressure filters. Operations and maintenance procedures will also be introduced for each of the technologies covered, emphasizing the operator's perspective.
Prerequisite: Industry experience or completion of the Level 2 portion of the program

WTTP 274
Disinfection for Drinking Water (3,0,0) 3 credits

The intent of this course is to cover the advanced concepts of drinking water disinfection and fluoridation. Course topics will include disinfection theory, design, and operation as well as "disinfection by-products". Technologies covered include chlorination, ozone, UV and alternate disinfection methods.
Prerequisite: Industry experience or completion of the Level 2 portion of the program

WTTP 280
Microbiology and Toxicology (3,0,0) 3 credits

The intent of this course is to provide students with the understanding of the major types of microbial organisms in water, and an introduction to the principles of toxicology, as applies to the production of safe drinking water. Course topics include a review of biological, organic and inorganic substances and their properties and behaviour in the environment; the biological responses of cells and animals to toxic substances; and the application of toxicology to risk management.
Prerequisite: Industry experience or completion of the third level of the program

WTTP 281
Limnology for Water Treatment (3,0,0) 3 credits

This course will provide students with an understanding of the basic physics, chemistry and biology of lakes and rivers, and how human use of watersheds affects water quality. Topics include oxygen, nutrients, sediments, plants and animals in the aquatic food chain, and the effects of industry, introduced species and water diversions on water quality. Students completing this course will have a strong appreciation for how lakes and rivers function and how watershed health affects the water supply.
Prerequisite: Industry experience or completion of the third portion of the program

WTTP 283
Management and Leadership Skills (3,0,0) 3 credits

This course covers the foundations of managing people, managing assets and managing finances in the water treatment industry. The course is designed for personnel who have been promoted from within the ranks, or for those who need a reminder of the range of management skills and techniques which can be applied to improve performance. Subject matter ranges from the factors influencing a maintenance programme to how to discipline employees.
Prerequisite: Industry experience or completion of the third portion of the program

Work Skills Training

WKSK 021
Workskills 1 (390 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 Program

WKSK 022
Workskills 2 (450 hours)

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 Program

TRU Governance

Chancellor

GREENE RAINE, NANCY, O.C., O.B.C., LL.D. (Hon)

Board of Governors

The Board of Governors has a legislated set of responsibilities for directing the affairs of the institution and setting policies in accordance with the Thompson Rivers University Act. In summary, the Board is responsible for the management, administration and control of the property, revenue, business, and affairs of the University.

For further information please refer to the Board of Governors website. (http://www.tru.ca/board/)

TRU Senate

Under the Thompson Rivers University Act, the TRU Senate is established consisting of the Chancellor, the President, the Academic Vice-President, the Registrar, faculty, students, an educational administrators, alumni and support staff. The Senate has numerous powers in respect of academic governance at TRU including setting criteria for awarding certificates, diplomas and degrees, setting curriculum content for courses, setting qualification for admission, and setting policies concerning examinations and evaluation of student performance. The Senate also provides advice to the Board on matters including the educational mission, goals and priorities of the University.

The membership roster can be found on the Senate's website (http://www.tru.ca/senate.html) .

Planning Council for Open Learning

The Thompson Rivers University Act requires the University to serve the open learning needs of British Columbia. This is the function of the University's Open Learning Division. The Planning Council for Open Learning is composed of TRU faculty, staff and students as well as individuals nominated by the Presidents of the public universities in British Columbia and individuals nominated by the Presidents of institutions under the B.C. College and Institute Act. The Planning Council for Open Learning provides advice to the Board of Governors on matters including the educational mandate of the Open Learning Division. It has the power to set admission and residency requirements for the Open Learning Division.

The membership roster can be found on the Planning Council for Open Learning's website (http://www.tru.ca/planningcouncil.html) .

Administration Staff

President and Vice-Chancellor

BARNSLEY, ROGER H. , B.A. (Hons.) (U.Vic.), M.A., Ph.D. (McGill)

- Executive Assistant to the President and Vice Chancellor, STRACHAN, ARLEE
- Executive Assistant to the Board of Governors, BOWER, MARYANNE

Associate Vice-President Legal Affairs, SPARKS, JOHN, B.A., LL.B. (Brit. Col.), LL.M. (Lond.)

- Assistant to Associate Vice-President, Legal Affairs & Associate Vice-President Human Resources & Planning, ANDERSON, KATHY, Dipl. Legal Sec. (V.S.B.)

Associate Vice-President, TRU World, MCLEOD, CYNDI, I.D. (B.C.), M.B.A. (New Zealand), D.M.A.T.P.

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- Administrative Coordinator, BAKER, VICTORIA, Assoc. Com. (U.C.C.)
- Director, TRU World, WOJNA, VERA, B.Ed., M.Ed. (Brit. Col.)
- Manager, International Projects, PEATT, LARRY, Acct. Dipl. (U.C.C.)
- Manager, International Student Services & Study Abroad Centre, PETRAR, JAN, B.A. (Regina), M.B.A (Southern Cross)
- Manager, International Liaison, CHADWICK, BAIHUA, M.M.I. (Phoenix)
- Manager, International Marketing: Operations & Projects, WILMSHURST, GEOFF, B.A. (St. Mary's), Cert. Languages (Shangdong)
- Manager, International Marketing, GAS, CHRISTOPHER, B.B.A. (Regina)
- Coordinator, International Training, DE FRIAS, LORI, L.T.C.A./H. Cert. (U.C.C.)

Provost and Vice-President Academic

EVERED, MARK, B.Sc. (McMaster), Ph.D. (U.W.O.), Provost & Vice-President Academic

- Executive Assistant to the Provost and Vice-President Academic, MAIO, SALLY, Microcomp Cert. (U.C.C.), M.A. (Royal Roads)

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- Community Co-ordinator (Clearwater), ARDUINI, SYLVIA
- Community Co-ordinator (Lillooet), BRYSON, JANE
- Community Co-ordinator (100 Mile House), BERCOWSKI, ROBIN
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- Continuing Studies Consultant, McKAY, ANDREW, B.A. (Hons.), M.P.A. (U.Vic.), D.B.A. (CSU), C.H.R.P.

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- Budget Officer, TBA
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- Researcher. TBA
- Accounting Administrator, JONES, SHELLEY
- Events Coordinator, TBA

Director, Marketing and Communications, KELLER, JOSH

- Manager, Creative Services, HORT, PATRICIA, B.A. (S.F.U.)

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Dr. Linda B. Deutschmann, Professor Emerita
Dr. Ryszard F. Paweska, Professor Emeritus
Dr. James E. Totten, Professor Emeritus
Dr. Alastair Watt, Educator Emeritus

Awarded in 2006

Mr. Alan R. Green, Educator Emeritus
Dr. Henry A. Hubert, Professor Emeritus
Dr. Charles Neil Russell, Professor Emeritus

Awarded in 2005

Dr. James Davies, Professor Emeritus
Mr. David Williams, Professor Emeritus

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CONGDON, DWAYNE, Mountain Guide, ACMG, UIAGM, IFMGA, Adventure Studies, Coordinator, CMSG Certification Program
FREEZE, DAVE, Dipl. Outdoor Recreation (Cap.), WKABC, BCRCA, ACSKG, SKGABC, M.A. (Bastyr), Adventure Studies
HESHKA, JON, B.Sc., B.A. (Man.), B.Ed. (Brit. Col.), M.Ed. (S.F.U.), Assistant Professor, Adventure Studies
LEARIE, SHARMAN, Adv. Guide Dipl., B.T.M. (U.C.C.), Adventure Studies
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STEWART-PATTERSON, IAIN, B.Phys.Ed., M.Ed. (Calg.), ACMG, UIAGM, IFMGA, Adventure Studies
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HALL-PATCH, CATHY, Dipl. A.H.T. (Fairview, Alta.), Animal Health Technology
HOLLINGSHEAD, WAYNE, B.Sc., M.Sc., D.V.M., Dipl. Small Animal Medicine/Surgery (Guelph), Assistant Professor and Coordinator, Animal Health Technology
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MANN, SCOTT B., B.Sc. (U.Vic.), D.V.M. (Sask.), Animal Health Technology
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MUELLER, LINDA, R.R.T. (U.C.C.), I.D. (V.C.C.), M.Ed., (S.F.U.), Respiratory Therapy
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Biological Sciences

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Full-Time Faculty

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BALDWIN, LYN, B.A. (Bennington Coll.), M.Sc. (Vermont), Ph.D. (Brit. Col.), Assistant Professor, Biological Sciences
CHEEPTHAM, NAOWARAT, B.Sc. (Hons.) (Chiang Mai), M.Sc., Ph.D. (Hokkaido), Assistant Professor, Biological Sciences
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FLOOD, NANCY, B.Sc.(Hons.) (Queen's), M.Sc., Ph.D. (Toronto), Biological Sciences
GILL, DEBBIE, B.Sc.(Hons.) (Brit. Col.), B.Ed., M.Sc. (Dalhousie), Lab Faculty, Biological Sciences
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MacKAY, MAIRI, B.Sc., M.Sc. (Brit. Col.), Ph.D. (Dalhousie), Associate Professor, Biological Sciences
NELSON, DONALD, B.Sc.(Hons.), Ph.D. (S.F.U.), Assistant Professor, Biological Sciences
PETERSEN, CHRISTINE, B.Sc., Cert. Ed. (Brit. Col.), R.T. (U.C.C.), Lab Faculty, Biological Sciences
PURDY, SUSAN, B.Sc., (Durban), M.N.R.M. (Man.), Lab Faculty, Biological Sciences
ROSS FRIEDMAN, CYNTHIA, B.Sc.(Hons.), Ph.D. (Man.), Assistant Professor, Biological Sciences
ROSS, KAREN, B.Sc. (Hons.) (Waterloo), M.Sc. (Calg.), Lab Faculty, Biological Sciences
SMITH, RON G., B.Sc. (Calg.), M.Sc. (S.F.U.), Ph.D. (Dalhousie), Assistant Professor, Biological Sciences
URBAN, JOANNA, R.T., M.Sc. (Poland), Lab Faculty, Biological Sciences
VAN HAMME, JONATHAN, B.Sc.(Hons.), Ph.D. (Waterloo), Assistant Professor, Biological Sciences

Computer Information Systems Technology (CIST)

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O'NEIL, KEVIN, B.Sc., M.Sc. (N.B.U.), Computing Science

Construction Trades

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BARRINGER, PAT, I.P. Plumb. (B.C.), Gas "B" (B.C.), Plumbing
BASSON, PETER, I.P. Elect. (B.C.), I.D. (Brit. Col.), City & Guilds of London Eng., Class "C" Elect. (B.C.), Electrical
BENOIT, STEVE, I.P. Elect. (B.C.), I.D. (Brit. Col.), Coordinator, Water Treatment
CAMPAGNARO, LENO, I.P. Plumb (B.C.), Cert. Gas "B" (B.C.), Plumbing
CAMPBELL, BRUCE, I.P. Elect. (B.C.), Class "BX", Electrical
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McGUINNESS, S., B.Sc (Acadia), M.Sc (Queen's), Ph.D. (Waterloo), Mathematics & Statistics
MOYLS, PETER, B.Phys.Ed., M.P.E. (Brit. Col.), Ph.D. (Toronto), Physical Education
ROBINSON, LESLEY, B.Sc. (Brit. Col.), M.Sc. (S.F.U.), Mathematics & Statistics
STEFAN, ADRIANA, B.Sc. (Bucharest), M.Math. (Transylvania), Dipl. in C.I.S. (Langara), Mathematics & Statistics
TAWHID, MOHAMED, B.Sc. (Alexandria), M.Sc. (Concordia), M.Sc., Ph.D. (Maryland), Assistant Professor, Mathematics & Statistics
TAYLOR, RICHARD, M.Sc. (Brit. Col.) Geophysics, Ph.D. (Waterloo), Assistant Professor Mathematics
TOMKINS, DAVE, B.A. (Regina), M.Sc. (Calg.), Mathematics & Statistics
YU, ROGER, M.Sc. (Shandong), Ph.D. (S.F.U.), Professor, Mathematics & Statistics

Mechanical Trades And Welding

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STAINTON, TIM, C.I.P. H.D. Mech. (B.C.), C.I.P. Comm. Trans. (B.C.), C.I.P. Auto Tech (B.C.), Voc. I.D. (Brit. Col.), Chairperson, Mechanical Trades and Welding

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ALLEN, MARK, Cert. “A” Weld. (B.C.), I.P. Welding (B.C.), Level I Weld. Inspector, Voc. I.D. (Brit. Col.), Welding
BABCOCK, LLOYD, C.I.P. H.D. Mech. T.Q. (B.C.), C.I.P. Comm. Trans. (B.C.), Voc. I.D. (Brit. Col.), Commercial Transport Mechanics Apprenticeship
CROSS, RICK, Auto Mech, (B.C.), HD Mechh (BC) Cert. "C" Welder (B.C.), Automotive
DOHERTY, MEL, C.I.P. H.D. Mech. (B.C.), C.I.P. Comm. Trans. (B.C.), Heavy Duty/Commercial Transport Mechanics ELTT
FRANZEN, LARRY, Cert "A" Weld. (B.C.), I.P. Welding (B.C.), T.Q. Ironworker (B.C.), C.W.B. Welding Supervisor, Welding
HIROWATARI, LYLE, I.P. Heavy Duty (B.C.), C.V.I.P. (B.C.), Heavy Duty Mechanics
JENKINS, BRUCE, Cert. "A" Weld. (B.C.), I.P. (B.C.), Welding (Wm. Lk.)
PALMER, STEVEN J., Voc. I.D. (Brit. Col.), H.D. Mech. T.Q. (B.C.), Heavy Duty/Commercial Transport Mechanics ELTT
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Natural Resource Sciences

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HEISE, BRIAN A., B.Sc. (Guelph), M.Sc. (Man.), Ph.D. (Toronto), Associate Professor, Natural Resource Sciences
HUNT, GARY A., B.A. (Fresno State), M.A. (Hayward State), Ph.D. (Oregon State), Assistant Professor, Natural Resource Sciences
LARSEN, KARL, B.Sc.(Double Major), M.Sc. (U.Vic.), Ph.D. (Alta.), Associate Professor, Natural Resource Sciences
SORENSEN, JACQUELINE, B.N.R.S. (U.C.C.), Lab Faculty, Natural Resource Sciences
WATSON, E. KENT, B.Sc., M.Sc. (Brit. Col.), Assistant Professor, Natural Resource Sciences
WATSON, SHERI M., B.Sc., M.Sc. (Calg.), Lab Faculty, Natural Resource Sciences

Nursing

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BADE, SHERRIE, R.N., B.Sc.N. (U.Vic.), M.N. (Deakin), Assistant Professor, Nursing
CHAUVETTE, AMELIA, R.N., B.Sc.N. (Ottawa), M.S.N. (Montreal), Nursing (Wm. Lk)
CLARE, DEBRA, R.N., B.Sc.N. (U.C.C.), Nursing
DAINES, DONNA, R.N., B.Sc.N. (U.Vic.), M.Ed. (S.F.U.), Nursing
FARRELL, SUZANNE, R.N., B.S.N (U.C.C.), Nursing
FEHR, FLORRIANN, R.N., (U.C.C.), B.Sc.N. (U.Vic.), M.N. (Calg.), Nursing
FORD, LAURA, R.N., B.Sc.N. (U.Vic.), Nursing
FUNK, MICHELLE, R.N., B.Sc.N. (U.C.C.), Nursing
GILBERT, MARILYN , R.N., B.Sc. (UCC)
HEALEY-OGDEN, MARION, R.N., R.C.C., B.Sc.N. (Brit. Col.), M.A. (U.Vic.), M.Ed. (U.N.B.C), Assistant Professor, Nursing
HOLMES, VICKI, R.N., B.Sc.N. (Alta.), M.Sc.N. (West. Ont.), Assistant Professor, Nursing
HOOT, TRACY, R.N. (U.C.C.), B.Sc.N. (U.Vic.), M.S.N. (Texas), Nursing
JOHANSEN, SHONA, R.N., N.P. (Alta.), B.Sc.N. (U.Vic.), M.Ed. (S.F.U.), Nursing (Wm. Lk.)
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JONES, JOANNE, R.N., B.Sc.N. (Brit. Col.), M.Sc.N. (Texas), Nursing, Year 1 & 2 Coordinator
KELLY, CLAUDETTE, R.N., B.Sc.N. (Alta.), M.A. (Brit. Col.), Ph.D. (U.W.A., Aus.), Assistant Professor, Nursing
KENNER, GERALDINE, R.N. (Cariboo College), B.Sc.N. (U.Vic.), M.S., M.H.A. (Wash.), Nursing
LALIBERTE, SHARI, R.N., B.Sc.N. (U.Vic.), M.N. (Calg.), Nursing
LUSSIER, KRISTA, R.N., B.Sc.N. (Alta.), M.Sc.N. (Brit. Col.), Nursing
LYALL, CHERYL, R.N., B.Sc.N. (Brit. Col), Nursing
MacDONALD, ANNE, R.N., B.S.N. (U.C.C.), Gerontology Nurs. Cert., Home Support Resident Care Attendant
MacINTOSH, MARIA, R.N. (Toronto), I.D. (Brit. Col.), Home Support Resident Care Attendant
McCLURE, LINDA, R.N., B.Sc.N., M.Sc. (Alta.), Nursing
McKENZIE, WENDY, R.N., B.Sc.N. (U.C.C.), Nursing
MAHARA, STAR, M., R.N., B.S.N., M.S.N. (Brit. Col.): Assistant Professor, Nursing
NORDICK, LANETTE, R.N., B.S.N. (U.C.C.), Home Support Resident Care Attendant
PAIVINEN, HELENA, R.N. (C.N.C.), B.Sc.N. (U.Vic.), M.Sc.N. (Calg.), Year 3 & 4 Coordinator, Nursing
PETRI, DONNA, R.N., B.Sc.N. (Kansas), M.N.S. (Deakin), Nursing
POWERS, PENNY, R.N., B.A. (Calif. Davis), M.S.N., Ph.D. (Wash.), Professor, Nursing
ROSS, SUSAN, R.N., B.Sc.N (U.Vic.), Cert. Critical Care (B.C.I.T.), M.Sc.N. (Brit. Col.), Nursing Refresher Program, Nursing
SCHIGOL, MARILYN, B.A. (Sask.), R.N. (Cariboo College), M.Ed. (S.F.U.), Nursing
SIMPSON, SHARON, R.N., B.Sc.N. (Brit. Col.), M.S. (Portland), Assistant Professor, Nursing
TARLIER, DENISE, R.N., DOCHN (Dalhousie), B.Sc.N., M.Sc.N., Ph.D.(Brit. Col.), Assistant Professor, Nursing

TAYLOR, MONA, R.N., B.Sc.N (U.Vic.), M.Sc.N (Brit. Col.), Practice Placement Coordinator, Nursing
THOMSON, JAMES, R.P.N. (Douglas), R.N. (U.C.C.), CPMHN(C), B.Sc.N. (Sask.), Nursing Lecturer, Nursing
VAN NOORTWYK, SUSAN, R.N., B.S.N. (U.Vic.), Nursing
WAGNER, DALE, R.N., B.S.N. (Leth.), M.S. (C.C.H.S.), Nursing
WELLS, DIANE, R.N., B.Sc.N. (Portland), Nursing
ZAWADUK, CHERYL, R.N. (U.C.C.), B.S.N. (U.Vic.), M.S. (Portland), Assistant Professor, Nursing

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BLOCK, TINA, B.A. (Calg.), M.A., Ph.D. (U.Vic.), Assistant Professor, History
BOWE, GEOFF, B.A.(Hons) (Memorial), M.A. (Windsor), Ph.D. (McMaster), Assistant Professor, Philosophy
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GAGNON, ANNE, B.Ed. (Calg.), M.Ed. (Alta.), M.A., Ph.D. (Ottawa), Assistant Professor, History
GAMMER, NICHOLAS, B.A. (Brit. Col.), M.A. (Carleton), Ph.D. (Alta.), Assistant Professor, Politics
KADING, TERRY, B.A. (Leth.), M.A. (Waterloo), Ph.D. (Alta.), Assistant Professor, Politics
McLAUGHLIN, JEFF, B.A., M.A. (Man.), Ph.D. (Alta.), Assistant Professor, Philosophy
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Physical Sciences

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BISSONNETTE, DAN, B.Sc., M.Sc. (Ottawa), Lab Faculty, Physics
BREWER, SHARON, B.Sc., M.Sc. (U.N.B.), Ph.D. (Carleton), Assistant Professor, Chemistry
CARMICHAEL, MURRAY, B.Sc. (Hons), M.Sc. (Alberta), Lab Faculty, Chemistry
CINEL, BRUNO, B.Sc. (S.F.U.), Ph.D. (Brit. Col.), Assistant Professor, Chemistry
FORTIER, NORMAND, B.Sc. (Engineering) (Ecole Polytechnique), M.Sc., Ph.D. (Brit. Col.), P.Eng., Assistant Professor, Physics
HAMMER, TRENT, B.Sc. (Brit. Col.), Lab Faculty, Chemistry
HUTTUNEN-HENNELLY, HEIDI E.K., B.Sc., Ph.D. (Brit. Col.), Assistant Professor, Chemistry
LETTINGA, MARTEN, B.Sc. (Trinity Western), M.Sc. (Waterloo), Chemistry (Wm. Lk.)
MORA-DIEZ, NELAINE, B.Sc. (Havana), Ph.D. (Dalhousie), Assistant Professor, Chemistry
PAETKAU, MAKR J., B.Sc. (Brit. Col.), M.Sc. (Queen's), Ph.D. (Alta.), Lecturer, Physics
RAJORA, ONKAR S., B.Sc. (Agra), M.Sc. (Meerut), Ph.D. (Dalhousie), Physics
REED, J. NORMAN, B.Sc. (Hons.), M.Sc., Ph.D. (Waterloo), Assistant Professor, Chemistry
ROSVICK, JOANNE, B.Sc., (Alta.), M.Sc., Ph.D (U.Vic.), Assistant Professor, Physics (Astronomy)
RUHL, BARBARA, B.Sc. (Hons.) (Guelph), B.Ed. (West. Ont.), Lab Faculty, Chemistry
TAYLOR, COLIN, B.Sc., M.Sc. (Brit. Col.), Lab Faculty, Physics
TSUI, ERNEST, B.Sc.(Hons.), B.Ed. (Brit. Col.), M.Sc. (London), Ph.D. (Essex), Physics
WEREMCZUK, GEORGE, B.Sc. (Brit. Col.), Dipl. Met. (McGill), Comp. Maint. Cert. (U.C.C.), Lab Faculty, Physics
WONG, KIN, Dipl. Chem. Tech. (NAIT), Lab Faculty, Chemistry

Psychology

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KAMPMAN, JACQUELINE, B.Sc., M.A. (Brit. Col.), Psychology
KOLARIC, GISELLE, B.A. (Hons.) (Concordia), M.A. (U.Vic.), Psychology
MACLAREN, VANCE V., B.A., M.A., Ph.D. (U.N.B.), Psychology
MONTOYA, CHRISTOPHER, B.Sc. (Leth.), M.Sc., Ph.D. (Calg.), Psychology (Wm. Lk.)
ROBERTS, WILLIAM L., B.A. (Reed), M.A., Ph.D. (S.F.U.), Psychology
WEBSTER, REID, B.A.(Hons.) (Queen's), M.Sc. (Waterloo), Ph.D. (S.F.U.), Psychology
WEISGERBER, DENISE, B.A. (Brit. Col.), M.A. (Toronto), Psychology
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Social Work

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BIRKBECK, JANE, B.A., B.S.W. (Regina), M.S.W. (Toronto), Assistant Professor, BSW Program
CRAWFORD, MICHAEL, B.S.W. (Man.), M.S.W. (Calg.), Assistant Professor, BSW Program
DROLET, JULIE, B.A. (Toronto), B.S.W. (Regina), M.S.W., Ph.D. (McGill), Field Education Coordinator, Assistant Professor, BSW Program
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Sociology & Anthropology

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CLEVELAND, JOHN, B.A. (Dalhousie), M.A. (S.F.U.), Ph.D. (York), Assistant Professor, Sociology
DOROGI, DANIEL, B.A.(Hon.), M.A. (S.F.U.), Lecturer, Sociology
FAROUGH, DAWN, B.A. (Winn.), M.A. (Man.), Ph.D. (Brit. Col.), Assistant Professor, Sociology
HUTCHINGS, KARL, B.A. (S.F.U.), M.A. (Toronto), Ph.D. (S.F.U.), Assistant Professor, Anthropology
MacLENNAN, DAVID, B.A. (Brit. Col.), M.A. (S.F.U.), Ph.D. (York), Assistant Professor, Sociology
McBLANE, NAN, B.A. (Alta.), M.A. (Calg.), Lecturer, Sociology
SCHEFFEL, DAVID, B.A. (Man.), Cert. Soc. Anth. (Cantab), M.A. (Memorial), Ph.D. (McMaster), Professor, Anthropology
WHITTLES, MARTIN, B.A. (Leth.), M.Sc. (L.S.E.), Ph.D. (Cantab), Assistant Professor, Anthropology, Coordinator, Master of Education

Tourism Management

Chairperson

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DUMOUCHEL, LIAN, B.Comm. (Concordia), M.B.A. (McGill), Tourism Management
ELLIS, DOUG, Dipl. Hotel Admin. (S.A.I.T.), I.D. (V.C.C.), Dipl. Ad. Ed. (V.C.C.), B. Ed. (Alta.), Resort & Hotel Management
HOOD, ROBERT, B.Phys.Ed. (Calg.), M.S., Ph.D. (Illinois), Assistant Professor, Chairperson, Tourism Management
REID, ROBIN, C.L.R.T. Dipl. (MRC), B.A., M.A. (Calg.), Tourism Management
SCHETTINI, PHILIP, I.D. (V.C.C.), Dipl. Hospitality Mngt. (Cheltenham, U.K.), T.Q. (B.C.), M.Ed. (S.F.U.), Tourism Management
TERWIEL, ANNE, PDP, GDBA (SFU)
TITCHENER, GORDON, B.A. (Hons.), M.Sc. (Calg.)

University Preparation

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BARRIE, KEVIN, B.Sc. (Queen's), University Prep.
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CHERNOFF, JACK, B.S.A. (Sask.), I.D. (Brit. Col.), University Prep.
CUNNINGHAM, FRED, B.Sc., Cert. Ed. (Brit. Col.), M.Ed. (S.F.U.), University Prep.
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FITZPATRICK, MARVYN, B.A., Cert. Ed., Dipl. Ad. Ed. (Brit. Col.), University Prep.
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HNEEDA, ALLAN, B.Ed. (U.Vic.), University Prep.
MADDEN, MARY, B.Sc. (Indiana), M.Ed. (U.N.B.C.), University Prep.
McMILLAN, LEY, B.A. (Brit. Col.), University Prep.
McMILLAN, LINDA, B.A. (Brit. Col.), Cert. First Nations Studies (S.F.U.), University Prep.
MOSHENKO, KIM, B.Sc., Cert. Ed. (Brandon), M.B.A. (Man.), University Prep.
RICHARDS, BRYAN, B.A., Cert. Ed. (Brit. Col.), University Prep.
SCHUMACHER, JANIE, B.A., Cert. Ed. (Brit. Col.), University Prep
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University Preparation: Williams Lake

Chairperson

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SIMON, KAREN, B.Ed. (Brit. Col.), University Preparation
STODDARD, ALICE, B.S.W. (Hons.) (U.Vic.), M.Ed. (U.N.B.C.), University Preparation
TAYLOR, SHARON, B.A. (U.Vic.), I.D. (B.C.), University Preparation

Visual & Performing Arts

Chairperson

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BENNETT, LLOYD, B.A. (Sask.), B.Ed. (Regina), M.A. (Minnesota), M.A. (Chicago), Ph.D. (Manchester), Art History,Visual Arts
BUIS, DOUG B.F.A. (U.Vic.), M.F.A. (York), Associate Professor, Visual Arts
BRANDOLI, ALAN, B.F.A. (Notre Dame), M.F.A. (Regina), Visual Arts
CRAWFORD, ILA, B.F.A. (Alta.), Visual Arts
DELLING, CHERYL, Dipl. Tech. Theatre (Red Deer)
ECCLESTON, WESLEY, B.A. (U.C.C.), M.A. (Alta.), Theatre Arts
EDWARDS, DAVID, B.A., M.A. (Akron), Cert. Ed. (U.Vic.), Ph.D. (Theatre Arts) (Kent State), Coordinator, Theatre Arts
HARGRAVE, LAURA, B.F.A. (U.Vic.), Visual Arts
HOFFMAN, JAMES, B.A., M.Ed. (U.Vic.), Ph.D. (New York), Professor, Theatre Arts
KALYNKA, DARLENE, B.F.A. (Alta.), M.F.A. (Concordia), Associate Professor, Visual Arts
KROEGER, ERNIE, B.F.A. (Man.), M.F.A. (Calg.), Visual Arts
LEIER, EILEEN, B.A., P.D.P. (S.F.U.), B.F.A. (Hons.) (Emily Carr), M.F.A. (Concordia), Associate Professor, Visual Arts
MATHUR, ASHOK, M.A., Ph.D. (Calg.), Canada Research Chair
SMITH, RONALD J., B.Ed., Dipl. Ed., M.A. (Calg.), Ph.D. (Leeds), Assistant Professor, Film Studies, Visual and Performing Arts
SPOONER, MELINDA, B.A. (Guelph), M.F.A. (N.S.C.A.D.)

Full-Time Faculty

A

ABBOTT, KAREN, R.N., B.Sc.N. (Lakehead), M.A. (Brit. Col.), Assistant Professor, Nursing
A., MOHD, B.Sc. (Strathclyde), A.I.T. Dipl. (I.T.I. Ottawa), M. I.T.E. (Dalhousie), M.C.P., M.C.S.D., M.C.D.B.A., M.C.S.E., M.C.A.D., CIST
ACREMAN, DENNIS, B.A. (Hons.), M.Sc. (Memorial), Ph.D. (New South Wales), Chairperson, Mathematics & Statistics
ALGER, CONNIE, ECE Cert. (Cariboo), B.A. (U.Vic.), Early Childhood Education
ALLEN, MARK, Cert. "A" Weld. (B.C.), I.P. Welding (B.C.), Level I Weld. Inspector, Voc. I.D. (Brit. Col.), Welding
ANDERSON, LUCILLE, B.Sc. (Mt. Allison), I.D. (B.C.), Lab Faculty, Biological Sciences
ANDERSON, RENÉE, R.N., B.Sc.N. (U.C.C.), Nursing
ANDERSON, ROB, B.Comm. (Mt. Allison), M.B.A. (City), C.G.A.
ANDROKOVICH, ROBERT, B.Sc. (Leth.), M.A., Ph.D. (West. Ont.), Assistant Professor, Economics
ARCHIBALD, PATRICIA, B.A., M.S.W. (Dalhousie), Dipl. Ed. (Brit. Col.), Assistant Professor, Coordinator, BSW Program
ARMOUR, CELIA, B.A. (Hons.) (Reading), T.E.S.L. Cert. (V.C.C.), M.Ed. (S.F.U.), E.S.L
ATKINS, TERRYL, B.F.A., M.F.A., (UVic.), Visual Arts
AYLWIN, DIAN, A.A. (U.C.C.), B.A. (Brit. Col.), I.D. (V.C.C.), University Prep.

B

BABCOCK, LLOYD, C.I.P. H.D. Mech. T.Q. (B.C.), C.I.P. Comm. Trans. (B.C.), Voc. I.D. (Brit. Col.), Commercial Transport Mechanics Apprenticeship
BABINCHUK, WAYNE, B.Sc. (Sask.), M.Sc. (Brit. Col.), Chairperson, Computing Science
BADE, SHERRIE, R.N., B.Sc.N. (U.Vic.), M.N. (Deakin), Assistant Professor, Nursing
BAKER, ANNE LOXLEY, B.A. (Hons.) (Waterloo), M.A. (Brit. Col.), English
BALDWIN, LYN, B.A. (Bennington Coll.), M.Sc. (Vermont), Ph.D. (Brit. Col.), Assistant Professor, Biological Sciences
BALESHTA, DOUG, B.Sc. (U.Vic.), Assistant Professor, Coordinator, Web Based Applications
BANGMA, HANK, I.P. Carp. (B.C.), Voc. I.D., Carpentry
BARLEY, JANE, B.A. (Leth.), I.D. (Brit. Col.), University Prep./Counselling
BARLOW, ROBERT, B.Sc., Dipl. Ed. (U.Vic.), M.Sc. (Athabasca), I.S.P., Chairperson, CIST
BARON, EDWARD, Dipl. Chemical Research Tech. (N.A.I.T.), Lab Faculty, Chemistry
BARRIE, KEVIN, B.Sc. (Queen's), University Prep.
BARRINGER, PAT, I.P. Plumb. (B.C.), Gas "B" (B.C.), Plumbing
BASS, ALAN, B.A., (Toronto), M.A., (York), Assistant Professor, Journalism
BASSON, PETER, I.P. Elect. (B.C.), I.D. (Brit. Col.), City & Guilds of London Eng., Class "C" Elect. (B.C.), Electrical
BAUGH, BRUCE, B.A., (Hons.), M.A. (Brit. Col.), Ph.D. (Toronto), Professor, Coordinator, Philosophy
BEARMAN, BARBARA, B.A., M.A. (Brit. Col.), English (Wm. Lk.)
BELLAMY, LORNE, B.A. (Concordia), M.A. (Waterloo), English
BENNETT, LLOYD, B.A. (Sask.), B.Ed. (Regina), M.A. (Minnesota), M.A. (Chicago), Ph.D. (Manchester), Art History,Visual Arts
BENOIT, STEVE, I.P. Elect. (B.C.), I.D. (Brit. Col.), Coordinator, Water Treatment
BEPPLE, NANCY, B.Sc. (U.Vic.), I.D. (V.C.C.), M.Sc. (Brit. Col.), Cert. Ed. (U.Vic.), Coordinator, Co-operative Education
BERMILLER, JASON, B.A. (Brit. Col.), M.A. (Waterloo), English
BICKLEY, DOUGLAS G., B.Sc. (Sir George Williams), M.Sc. (Concordia), Ph.D. (McMaster), Assistant Professor, Chemistry
BIRKBECK, JANE, B.A., B.S.W. (Regina), M.S.W. (Toronto), Assistant Professor, BSW Program
BISSONNETTE, DAN, B.Sc., M.Sc. (Ottawa), Lab Faculty, Physics
BLOCK, TINA, B.A. (Calg.), M.A., Ph.D. (U.Vic.), Assistant Professor, History
BOUCHER, DEVON, B.A. (St. Lawrence), M.A.T. (S.I.T.), E.S.L.
BOURASSA, EMMA, B.Ed., M.Ed., TESOL, CELTA (U.Vic.), R.S.A. (Cambridge), E.S.L.
BOURGET, JEAN-SERGES, D.E.C., Dipl. Tech. (Quebec), T.Q. (Comp. Tech.), Chairperson, Electronics & Engineering
BOUTHILLIER, BRIAN, B.A. (U.Vic.), T.E.S.L. Cert. (V.C.C.), M.A. (N. England), E.S.L.
BOWE, GEOFF, B.A.(Hons) (Memorial), M.A. (Windsor), Ph.D. (McMaster), Assistant Professor, Philosophy
BRANDOLI, ALAN, B.F.A. (Notre Dame), M.F.A. (Regina), Visual Arts
BRATTON, JOHN, B.Sc. (Hons.) (Hull), M.A. (Leeds), Ph.D. (Manchester), C.H.R.P., Professor, Sociology
BRAY, JIM, B.A., Cert. Ed. (Sask.), M.T.S. (Alta.), University Prep.
BREITKREITZ, DUANE, B.Ed., (Brit. Col.), M.B.A. (City), Accounting & MIS
BRENDLE-MOCZUK, DANIEL, B.A., M.L.I.S. (Brit.Col.), Instruction Librarian
BREWER, SHARON, B.Sc., M.Sc. (U.N.B.), Ph.D. (Carleton), Assistant Professor, Chemistry
BREWSTER, RICHARD, Assoc. Dipl. of Sc. (Cariboo), B.Sc. (Hons.), M.Sc. (U.Vic.), Ph.D. (S.F.U.), Associate Professor, Mathematics & Statistics
BRIM, CONNIE, B.A. (Hons.), M.A., Ph. D. (McMaster), Assistant Professor, English
BRISCOE, PETER, Ad. Cert. Wines (WSET), I.D. (V.C.C.).
BROAD, PEGGY-JO, B.Sc.F. (Brit. Col.), Lab Faculty, Natural Resource Sciences
BROWER, TONY, B.Comm., M.B.A. (Alta.), Marketing, Management, & International Business
BROWN, JASON, B.A. (S.F.U.), T.E.S.L. Dipl. (Tokyo), M.A. (Hons.) (Birmingham), E.S.L.
BUGLEY, CHRIS, B.A. (Mt. Allison), M.A. (Dalhousie), Sociology (Wm. Lk.)
BUIS, DOUG B.F.A. (U.Vic.), M.F.A. (York), Associate Professor, Visual Arts

C

CADRE, CARA, B.A. (Alta.), M.A. (Sheffield), Japanese Language Proficiency [Level 2] (Japan Foundation – Tokyo), Japanese
CALDER, KIM, B.Ed., E.C.E. Dipl., M.Sc. (Calg.), Ph.D. (Brit.Col.), Assistant Professor, Education, Coordinator, Certificate and Diploma in Special Education
CAMPAGNARO, LENO, I.P. Plumb (B.C.), Cert. Gas "B" (B.C.), Plumbing
CAMPBELL, BRUCE, I.P. Elect. (B.C.), Class "BX", Electrical
CARMICHAEL, MURRAY, B.Sc. (Hons), M.Sc. (Alberta), Lab Faculty, Chemistry
CARSON, NANCY, B.A., M.A., (West. Ont.), Economics
CEDERLOF, CHRISTINA, B.B.A. (S.F.U.), I.D. (Brit. Col.), M.A. (Royal Roads), Instructor, Education & Skills Training
CHAN, JANINE, B.Sc., B.A. (Wash.), R.R.T. (U.C.C.), I.D. (V.C.C.), C.A.E. (C.N.A.C.), Respiratory Therapy
CHAUVETTE, AMELIA, R.N., B.Sc.N. (Ottawa), M.S.N. (Montreal), Nursing (Wm. Lk)
CHEEPTHAM, NAOWARAT, B.Sc. (Hons.) (Chiang Mai), M.Sc., Ph.D. (Hokkaido), Assistant Professor, Biological Sciences
CHERNOFF, JACK, B.S.A. (Sask.), I.D. (Brit. Col.), University Prep.
CHURCH, ALEXANDRA, B.A. (U.Vic.), E.S.L.
CINEL, BRUNO, B.Sc. (S.F.U.), Ph.D. (Brit. Col.), Assistant Professor, Chemistry
CLARE, DEBRA, R.N., B.Sc.N. (U.C.C.), Nursing
CLARK, NATALIE, B.S.W. (Brit. Col.), M.S.W. (Brit. Col.), Field Education Coordinator, Human Service Programs
CLARK, ROBERT, Dipl. Broad. Comm. (B.C.I.T.), Coordinator, Media Services
CLEVELAND, JOHN, B.A. (Dalhousie), M.A. (S.F.U.), Ph.D. (York), Assistant Professor, Sociology
CLOUTIER, ROSS, B.A. (Alta.), B.Phys.Ed. (Calg.), M.B.A. (U.S.C.), Assistant Professor, Adventure Studies
COCHRAN, JASON, Trade Cert. (B.C.), I.D. (V.C.C.), Retail Meat Processing
COLLETT, JEFF, T.Q. Joinery (B.C.), Voc. I.D. (B.C.), I.P. Joinery (B.C.), Computerized Manufacturing Technology
COLLINS, ROGER, B.A. (Hons.) (C.N.A.A.), M.Sc. (L.S.E.), F.C.M.A. (U.K.), F.C.C.A. (U.K.), Associate Professor, Accounting & Management
COLLINS, VALERIE E., B.Sc. (Hons.) (Queen's), M.Sc. (York), Ph.D. (Utah), Assistant Professor, Biological Sciences
CONGDON, DWAYNE, Mountain Guide, ACMG, UIAGM, IFMGA, Adventure Studies, Coordinator, CMSG Certification Program
COOK, DEREK, B.A., M.A. (Alta.), Politics
COOK, KERRY, B.A. (Brit. Col.), Applied Business Technology (Wm. Lk.)
CORSI, CHELSEA, R.N., B.Sc.N.(UCC), B.Sc.(UBC), Wellness Coordinator, Counselling
COYNE, MICHAEL, B.A. (Windsor), M.L.I.S. (West. Ont.), Systems Librarian
CRABBE, MARY, R.N., B.Sc.N., M.Sc.N. (West. Ont.), Nursing
CRAWFORD, ILA, B.F.A. (Alta.), Visual Arts
CRAWFORD, MICHAEL, B.S.W. (Man.), M.S.W. (Calg.), Assistant Professor, BSW Program
CROFOOT, BRUCE, B. Math, M. Phil. (Waterloo), Ph.D. (Cal.-Berkeley), Associate Professor, Mathematics & Statistics
CROSS, RICK, Auto Mech, (B.C.), HD Mechh (BC) Cert. "C" Welder (B.C.), Automotive
CUMMER, RICHARD, B.T.A.C.S. (U.C.C.), B.Sc.Eng. (Lakehead), Computing Science
CUNNINGHAM, FRED, B.Sc., Cert. Ed. (Brit. Col.), M.Ed. (S.F.U.), University Prep.
CUTLER, PAT, Dipl. A.H.T. (U.C.C.), Animal Health Technology

D

DABNER, JASON, I.P. Elect. (B.C.), Class "B", Electrical
DAINES, DONNA, R.N., B.Sc.N. (U.Vic.), M.Ed. (S.F.U.), Nursing
DALY, BRYAN, R.R.T. (Algonquin), I.D. (Brit. Col.), M.A. (Gonzaga), Chairperson, Water Treatment Technology
DAYKIN, SUSAN, B.A. (U.C.C.), University Prep
DEBECK, FAE, B.Sc. (Hons.) (S.F.U.), M.S. (West. Wash.), Mathematics & Statistics
DELLING, CHERYL, Dipl. Tech. Theatre (Red Deer)
DENSKY, KAREN, B.A. (S.F.U.), T.E.S.L. Cert. (V.C.C.), M.A. (S.F.U.), E.S.L.
DESJARDINS, IVAN, B.B.A. (Bishop's), Dipl. Pub. Acc. (McGill), M.Tax. (Sherbrooke), C.A., Accounting & Finance
DESROCHERS, GERRY, B.A.Sc. (Brit.Col.), P.Eng.
DEWAN, HASNAT, B.Sc. (Hons.), M.Sc. (Jahangirnagar), M.A. (Yale), M.S., Ph.D. (Texas), Assistant Professor, Economics
DHANJAL, SURINDER, B.Sc.Eng. (Panjab), M.A.Sc. (Windsor), M.Sc. (McMaster), Ph.D. (GNDU), P.Eng., Assistant Professor, Computing Science
DICKINSON, THOMAS E., B.Sc. (Hons.) (Queen's), M.Sc. (Calg.), Ph.D. (Pennsylvania), Associate Professor, Biological Sciences
DiFRANCESCO, DAVID, Dipl. Computer Graphics, Dipl. Graphic Design, Dipl. Creative Art (Sheridan), DAAD
DOAN, LAURA, B.A. (U.Vic.), E.C.E. Cert., (U.Vic.), M. Ed. (U.Vic.), Early Childhood Education
DOBSON, JOE, B.A. (U.Vic.), M.B.A. (CSU), E.S.L.
DOHERTY, MEL, C.I.P. H.D. Mech. (B.C.), C.I.P. Comm. Trans. (B.C.), Heavy Duty/Commercial Transport Mechanics ELTT
DOMINIK, ANNETTE, B.A. (Hons.) (Brit. Col.), M.A. (Laval), Ph.D. (Sherbrooke), Assistant Professor, French, Spanish, & Linguistics, Coordinator, Modern Languages
DONKOR, KINGSLEY, B.Sc. (Hons.) (Ghana), M.Sc., Ph.D. (Alta.), Assistant Professor, Chemistry
DOROGI, DANIEL, B.A.(Hon.), M.A. (S.F.U.), Lecturer, Sociology
DORVAL, TOM, R.R.T. (Algonquin), I.D. (V.C.C.), M.Ed. (S.F.U.), Respiratory Therapy
DROLET, JULIE, B.A. (Toronto), B.S.W. (Regina), M.S.W., Ph.D. (McGill), Field Education Coordinator, Assistant Professor, BSW Program
DUERDEN, JANET, B.A. (Hons.) (U.Vic.), M.A. (Essex), English
DUMESNIL, JOHN, Dipl. Const. Tech. (Algonquin), C.Tech., Chairperson, EDDT & DAAD
DUMOUCHEL, LIAN, B.Comm. (Concordia), M.B.A. (McGill), Tourism Management

E

ECCLESTON, WESLEY, B.A. (U.C.C.), M.A. (Alta.), Theatre Arts
EDWARDS, DAVID, B.A., M.A. (Akron), Cert. Ed. (U.Vic.), Ph.D. (Theatre Arts) (Kent State), Coordinator, Theatre Arts
ELLIS, DOUG, Dipl. Hotel Admin. (S.A.I.T.), I.D. (V.C.C.), Dipl. Ad. Ed. (V.C.C.), B. Ed. (Alta.), Resort & Hotel Management
EMERY, LEE, B.Sc. (Illinois), Cert. Ed. (S.F.U.), Chairperson, University Prep.
EVANS, MARK, I.P. Elect. (B.C.), Class "B", Electrical

F

FARDY, CAROLYNNE, R.T. (Man.), I.D. (V.C.C.), Lab Faculty, Biological Sciences
FAROUGH, DAWN, B.A. (Winn.), M.A. (Man.), Ph.D. (Brit. Col.), Assistant Professor, Sociology
FARRELL, SUZANNE, R.N., B.S.N (U.C.C.), Nursing
FEHR, FLORRIANN, R.N., (U.C.C.), B.Sc.N. (U.Vic.), M.N. (Calg.), Nursing
FELTON, KATHY, B.Ed. (Brit. Col.), M.A. (Gonzaga) TESL Cert., E.S.L.
FERGUS, ANDREW, B.A. (Hons.), M.Sc. (Calg.)
FERGUSON, DONALD, B.Sc. (Calg.), Lab Faculty, Biological Sciences
FINCH, MIKE, I.P. Elect. (B.C.), I.D. (Brit. Col.), Electrical
FISCHER, JOSEY, B.A. (S.F.U.), D.E.L.E. (Basico), P.I.D.P., M.A. (Prescott), Spanish
FITZPATRICK, MARVYN, B.A., Cert. Ed., Dipl. Ad. Ed. (Brit. Col.), University Prep.
FLOOD, NANCY, B.Sc.(Hons.) (Queen's), M.Sc., Ph.D. (Toronto), Biological Sciences
FORBES, ALEXANDER M., B.A. (Hons.), M.A. (Brit. Col.), Ph.D. (Toronto), Assistant Professor, English
FORD, LAURA, R.N., B.Sc.N. (U.Vic.), Nursing
FORSEILLE, SUSAN, B.A. (S.F.U.), Coordinator, Student Employment Centre
FORTIER, NORMAND, B.Sc. (Engineering) (Ecole Polytechnique), M.Sc., Ph.D. (Brit. Col.), P.Eng., Assistant Professor, Physics
FOUCAULT, COLLEEN, Bus. Dipl. (McGill), Lab Faculty, DAAD
FRANZEN, LARRY, Cert "A" Weld. (B.C.), I.P. Welding (B.C.), T.Q. Ironworker (B.C.), C.W.B. Welding Supervisor, Welding
FRASER, LAUCHLAN, B.Sc., M.Sc. (Brit. Col.), Ph.D. (Sheffield), Canada Research Chair, Coordinator, Master of Science
FREED-GARROD, JOI, B.A. (W.U.-St. Louis), M.A. (S.F.U.), Ph.D. (Brit. Col.), Assistant Professor, Education
FREEZE, DAVE, Dipl. Outdoor Recreation (Cap.), WKABC, BCRCA, ACSKG, SKGABC, M.A. (Bastyr), Adventure Studies
FRIEDMAN, THOMAS, B.A., M.A. (Brit. Col.), Ph.D. (Toronto), Assistant Professor, English
FRY, ROBB, B.SC.H., M.Sc. (Queen's), Ph.D. (Toronto), Associate Professor, Mathematics
FUNK, MICHELLE, R.N., B.Sc.N. (U.C.C.), Nursing

G

GAGNON, ANNE, B.Ed. (Calg.), M.Ed. (Alta.), M.A., Ph.D. (Ottawa), Assistant Professor, History
GAMMER, NICHOLAS, B.A. (Brit. Col.), M.A. (Carleton), Ph.D. (Alta.), Assistant Professor, Politics
GARDNER, WENDY, B.Sc. (Hons.), M.Sc. (Brit. Col.), Ph.D. (U of A), Natural Resource Sciences
GARRETT-PETTS, WILL, B.A. (U.Vic.), M.A. (Brit. Col.), Ph.D. (Alta.), Professor, English
GAYNOR, KATHY, B.Ed. (Sask.), M.L.I.S. (McGill), Information Services Librarian, Chairperson, Library
GEORGE, SHURLAND, B.Sc., Dipl. Hotel Mngt. (West Indies), M.Sc. Tour. Studies (Surrey, U.K.), Tourism Mangement
GIBBARD, GEOFF, B.A. (U.B.C.), 5th Yr. Ed. Cert. (U.B.C.), M.Ed. (U.B.C.), Practica Coordinator, Education
GILBERT, MARILYN , R.N., B.Sc. (UCC)
GILL, AVNINDER, B.Engg. (Punjab U), M.Sc., Ph.D. (Man.), Assistant Professor, Production, Supply Chain Management
GILL, DEBBIE, B.Sc.(Hons.) (Brit. Col.), B.Ed., M.Sc. (Dalhousie), Lab Faculty, Biological Sciences
GIUDICI, BEN C., B.A.Sc. (Hons.), M.A.Sc. (Brit. Col.), P. Eng., Electronics & Engineering
GLEDDIE, NEVIN, B.A. (Trinity Western), M.Sc. (Alta.), NCCP Level 4 (Basketball), Physical Education
GODDARD, JAY, B.A. (Brit. Col.), M.Ed. (U.N.B.C.), Human Service Programs (Wm. Lk.)
GOEHRING, BRIAN, B.A., B.Ed., (Sask.), M.A., Ph.D. (Brit. Col.), Geography
GORMAN, MICHAEL, B.A. (Georgetown), M.A. (Wyoming), Ph.D. (Cal.-San Diego), Assistant Professor, History, and Chairperson, Philosophy, History, and Politics
GOSSELIN, LOUIS A, B.Sc., M.Sc. (Laval), Ph.D. (Alta.), Associate Professor, Biological Sciences
GULLEY, DAVE, B.Ed., Grad. Dipl. Ed. Admin. (Calg.), C.C.S. (V.S.T.), Education
GUPTA, DIPANKAR, B.S. (Calcutta), M.Stat. (Indian Statistical Institute), Ph.D. (Arizona State), M.S. (Texas Tech.), University Preparation/Mathematics & Statistics (Wm. Lk.)

H

HAAG, THOMAS, I.P. Carp. (B.C.), Carpentry
HAGGARTY, PENNY, B.A., M.L.S. (Brit. Col.), Collections Librarian
HALLONQUIST, JOHN D., B.A. (Brit. Col.), M.A. (S.F.U.), Ph.D. (Toronto), Associate Professor, Psychology
HALL-PATCH, CATHY, Dipl. A.H.T. (Fairview, Alta.), Animal Health Technology
HAMMER, TRENT, B.Sc. (Brit. Col.), Lab Faculty, Chemistry
HARBER-ILES, MARY, B.S.W. (U.Vic.), M.S.W. (Toronto), Child and Youth Care Diploma
HARGRAVE, LAURA, B.F.A. (U.Vic.), Visual Arts
HASAN, SHAHRIAR, B.Sc. (Hons) (Daka), M.A. (Clemson), Ph.D. (Clemson), Assistant Professor, Finance & International Business
HAYS, CHARLES, B.Sc. (Oregon), M.Sc. (South Dakota), Ph.D. (Iowa), Assistant Professor, Journalism

HEALEY-OGDEN, MARION, R.N., R.C.C., B.Sc.N. (Brit. Col.), M.A. (U.Vic.), M.Ed. (U.N.B.C), Assistant Professor, Nursing
HEASLIP, PENNY, R.N., B.Sc.N. (Ottawa), M.Ed. (U.Vic.), Coordinator, Centre for Teaching & Learning
HEBDEN, CAROLE, B.Sc., M.Ed. (Brit. Col.), Cert. Ed. (S.F.U.), Coordinator, Co-operative Education
HEISE, BRIAN A., B.Sc. (Guelph), M.Sc. (Man.), Ph.D. (Toronto), Associate Professor, Natural Resource Sciences
HENDERSON, DIAN, B.Ed. (Alta.), T.E.A.L. Cert., M.A. (S.I.T.), E.S.L.
HESHKA, JON, B.Sc., B.A. (Man.), B.Ed. (Brit. Col.), M.Ed. (S.F.U.), Assistant Professor, Adventure Studies
HEWITT, GERRY, B.Ed., M.A. (Brit. Col.), E.S.L.
HIGGINS, ROBERT, B.Sc., M.Sc. (Man.), Biological Sciences (Wm. Lk.)
HIROWATARI, LYLE, I.P. Heavy Duty (B.C.), C.V.I.P. (B.C.), Heavy Duty Mechanics
HITCHCOCK, LINDA, B.A., M.A. (Cal.-Irvine), University Preparation
HNEEDA, ALLAN, B.Ed. (U.Vic.), University Prep.
HOFFMAN, JAMES, B.A., M.Ed. (U.Vic.), Ph.D. (New York), Professor, Theatre Arts
HOFMANN, KAREN, B.A., M.A. (U.Vic.), Chairperson, English
HOLLINGSHEAD, WAYNE, B.Sc., M.Sc., D.V.M., Dipl. Small Animal Medicine/Surgery (Guelph), Assistant Professor and Coordinator, Animal Health Technology
HOLMES, VICKI, R.N., B.Sc.N. (Alta.), M.Sc.N. (West. Ont.), Assistant Professor, Nursing
HOOD, ROBERT, B.Phys.Ed. (Calg.), M.S., Ph.D. (Illinois), Assistant Professor, Chairperson, Tourism Management
HOOT, TRACY, R.N. (U.C.C.), B.Sc.N. (U.Vic.), M.S.N. (Texas), Nursing
HORTON, JANE, B.Sc. (Brit. Col.), Cert. Ed. (S.F.U.), M.A. (Phoenix), University Prep.
HOSSAIN, BELAYET, BSS (Hons), MSS (Dhaka), M.Econ (Bangkok), Ph.D. (NC State)
HOT, SONJA, B.Math., M.Math. (Belgrade), Mathematics & Statistics
HU, JIM, B.A., M.A. (Anhui), M.Ed. (West. Ont.), Ph.D. (Brit. Col.), E.S.L.
HUBER, DEBORAH, B.A. (Brit. Col.), M.Ed. (S.F.U.), R.S.A. (Cambridge), E.S.L.
HULKO, WENDY, B.A. (Hons.) (Trent), M.S.W. (Toronto), Ph.D. (Stirling), Assistant Professor, BSW Program
HUNT, GARY A., B.A. (Fresno State), M.A. (Hayward State), Ph.D. (Oregon State), Assistant Professor, Natural Resource Sciences
HUTCHINGS, KARL, B.A. (S.F.U.), M.A. (Toronto), Ph.D. (S.F.U.), Assistant Professor, Anthropology
HUTT, LEN, Dipl. Bus. Admin. (Ryerson), B.A. (Hons.) (Queen's), M.Ed., Ed.D. (Toronto), HRM & Management
HUTTUNEN-HENNELLY, HEIDI E.K., B.Sc., Ph.D. (Brit. Col.), Assistant Professor, Chemistry

I

IDZIKOWSKI, ANDREW, C.S.T. Dipl. (N.A.I.T.), B.T.A.C.S. (U.C.C.), M.Sc. (Athabasca), CIST
IGWE, BERNARD, B.A. (Hons.) (Makerere), M.A. (Brit. Col.), English, Coordinator, Academic English
ILES, LAWRENCE A., B.A. (Carleton), B.Ed. (Brit. Col.), Coordinator, Co-operative Education
IVES, CAROLYN, B.A. (Hons), M.A. (Sask.), English

J

JAKES, KEN, Trade Cert. (N.Z.), T.Q. (Meatcutting) (B.C.), I.D. (V.C.C.), Retail Meat Processing
JAKUBEC, MELISSA, B.A. (U.Vic.), M.A. (Dalhousie), Dipl. R.S.A. (Cambridge), T.E.S.L. Cert. Level IV (Can.)
JAMES, CINDY, B.Ed., M.A. (U.Vic.), Assessment Centre Coordinator
JANKE, JOHN, B.A., M.A. (Alta.), Economics
JAP, WARVENI, B.A. (Wash.), M.B.A. (National Chengchi University), Marketing & International Business
JENKINS, BRUCE, Cert. "A" Weld. (B.C.), I.P. (B.C.), Welding (Wm. Lk.)
JOHANSEN, SHONA, R.N., N.P. (Alta.), B.Sc.N. (U.Vic.), M.Ed. (S.F.U.), Nursing (Wm. Lk.)
JOHNSON, DENNIS, I.P. Carp. (B.C.), I.P. Joinery (B.C.), Voc. I.D. (Brit. Col.), T.Q. Industrial Woodworking (Ont.), B.Ed. (Brock), Computerized Manufacturing Technology
JOHNSON, DON. R., B.Sc. (Hons.), (Brit. Col.), CIST
JOHNSON, GEORGE, B.A. (Hons.) (West. Ont.), M.A., Ph.D. (McMaster), Associate Professor, English
JOHNSON, MARG, M.B.A. (Athabasca), C.M.A., Accounting and Management
JOHNSON, MAUREEN, R.N.,. B.Sc.N. (UCC)
JOHNSON, NINA, B.A. (U.C.C.), M.A. (McGill), English
JOHNSTONE, KIMBERLY, Trade Cert. (Can.), I.D. (V.C.C.), Chairperson, Culinary Arts
JONES, JOANNE, R.N., B.Sc.N. (Brit. Col.), M.Sc.N. (Texas), Nursing, Year 1 & 2 Coordinator
JONTZ, DOUG, Industrial I.P. Elect. (B.C.), I.D. (Brit. Col.), Electrical
JORDAN, JEFF, Trade Cert. (Can.), I.D., Culinary Arts
JOSEPHSON, NANCY, B.A., Dipl.Ed., B.Ed., M.Ed., M.Sc. (Man.), Education
JOYCE, KEVIN, I.P. Elect. (B.C.), I.D. (Brit. Col.), Electrical

K

KADING, TERRY, B.A. (Leth.), M.A. (Waterloo), Ph.D. (Alta.), Assistant Professor, Politics
KALYNKA, DARLENE, B.F.A. (Alta.), M.F.A. (Concordia), Associate Professor, Visual Arts
KAMPMAN, JACQUELINE, B.Sc., M.A. (Brit. Col.), Psychology
KARAKATSOULIS, JOHN, B.Sc., Ph.D.(Brit. Col.), Assistant Professor, Chairperson, Natural Resource Sciences
KELLY, CLAUDETTE, R.N., B.Sc.N. (Alta.), M.A. (Brit. Col.), Ph.D. (U.W.A., Aus.), Assistant Professor, Nursing

KENNER, GERALDINE, R.N. (Cariboo College), B.Sc.N. (U.Vic.), M.S., M.H.A. (Wash.), Nursing
KEUSCH, DENNIS, Dipl. Electronic Publishing (Selkirk), Lab Faculty, Journalism
KILLICK, NANCY, B.A., Cert. Ed. (U.Vic.), T.E.S.L. Cert. (V.C.C.), M.A. (Reading), E.S.L.
KIPNIS, WENDY, B.A. (Hons.), B.Ed. (Memorial), L.L.B. (Ottawa), T.E.S.L. Cert. (V.C.C.), E.S.L.
KIRKEY, BERNIE, B.A. (West. Ont.), M.B.A. (York), Management
KLEIN, KEN, B.Sc. (Hons.), M.Sc. (Windsor), Geology, Chairperson, Physical Sciences
KNOWLES, DOUG, B.A. (U.C.C.), M.E.C.A., Chairperson, Counselling and M.E.C.A
KOLARIC, GISELLE, B.A. (Hons.) (Concordia), M.A. (U.Vic.), Psychology
KRAUZA, WENDY, B.Ed. (Brit.Col.), M.Ed. (U.Vic.), E.S.L.
KROEGER, ERNIE, B.F.A. (Man.), M.F.A. (Calg.), Visual Arts
KROPAC, DAGMAR, T.Q., I.D. (V.C.C.)
KWIATKOWSKA, BOGUMILA, M.A. (Wroclaw), M.Sc. (Alta.), Ph.D. (S.F.U.), Assistant Professor, Computing Science

L

LAIRD, DARRELL, B.A. (Hons.) (Man.), E.S.D. (S.F.U.), M.A. (Waterloo), Ph.D. (McMaster), English
LALIBERTE, SHARI, R.N., B.Sc.N. (U.Vic.), M.N. (Calg.), Nursing
LAMB, LAURA, B.A. (Hons.), M.A., Ph.D. (Man.), Assistant Professor, Economics
LARSEN, KARL, B.Sc.(Double Major), M.Sc. (U.Vic.), Ph.D. (Alta.), Associate Professor, Natural Resource Sciences
LATER, GENEVIEVE, B.A. (Penn. State), M.A., Ph.D. (Wash.), Assistant Professor, English
LATIF, EHSAN, B.Soc.Sc., M.Soc.Sc. (Dhaka), M.A. (Niigata), Ph.D. (Man.) Economics
LAWRENCE, DONALD, B.F.A. (U.Vic.), M.F.A. (York), Associate Professor, Chairperson, Visual & Performing Arts
LAWTON, DEBORAH, B.A., M.B.A. (West. Ont.), C.S.P., Marketing
LEARIE, SHARMAN, Adv. Guide Dipl., B.T.M. (U.C.C.), Adventure Studies
LEIER, EILEEN, B.A., P.D.P. (S.F.U.), B.F.A. (Hons.) (Emily Carr), M.F.A. (Concordia), Associate Professor, Visual Arts
LEMPHERS, MIKE, R.R.T. (U.C.C.), M.A. (Royal Roads), Respiratory Therapy
LETTINGA, MARTEN, B.Sc. (Trinity Western), M.Sc. (Waterloo), Chemistry (Wm. Lk.)
LIBERATORE, GIUSEPPE, B.A. (McGill), M.M. (EDHEC), M.B.A. (Notre Dame), International Business & Management
LIDSTER, DAVID, B.Ed. (Brit. Col.), M.Ed. (U.Vic.), Counsellor, Counselling
LIEN, CHE-HUI, M.B.A. (National ChengChi University), Ph.D. (Carleton), Assistant Professor, Marketing & Management
LITTLEY, ERIC R., B.Sc. (U.Vic.), M.P.M., Ph.D. (S.F.U.), Chairperson, Biological Sciences, B.Sc. Advisor
LUSSIER, KRISTA, R.N., B.Sc.N. (Alta.), M.Sc.N. (Brit. Col.), Nursing
LYALL, CHERYL, R.N., B.Sc.N. (Brit. Col), Nursing

M

MacDONALD, ANNE, R.N., B.S.N. (U.C.C.), Gerontology Nurs. Cert., Home Support Resident Care Attendant
MacINTOSH, MARIA, R.N. (Toronto), I.D. (Brit. Col.), Home Support Resident Care Attendant
MacKAY, MAIRI, B.Sc., M.Sc. (Brit. Col.), Ph.D. (Dalhousie), Associate Professor, Biological Sciences
MACLAREN, VANCE V., B.A., M.A., Ph.D. (U.N.B.), Psychology
MacLENNAN, DAVID, B.A. (Brit. Col.), M.A. (S.F.U.), Ph.D. (York), Assistant Professor, Sociology
MADDEN, MARY, B.Sc. (Indiana), M.Ed. (U.N.B.C.), University Prep.
MADDOX, KELLY-ANNE, B.A. (Memorial), M.A (Dalhousie), Ph.D (Dalhousie), Assistant Professor, French, German
MAGGI, STEFANIA, M.A. (Toronto), Ph.D. (Brit. Col.), Early Childhood Education, Associate Director, Centre for Early Education and Development Studies (CEEDS)
MAHARA, STAR, M., R.N., B.S.N., M.S.N. (Brit. Col.); Assistant Professor, Nursing
MAHBOBI, MOHAMMAD, B.A. (Hons.), M.A. (National University of Iran), Ph.D. (Sask.), Assistant Professor, Economics
MAHNHOON, LEE, B.Sc. (Yonsei), M.Sc., Ph.D. (Oklahoma), Assistant Professor, Computing Science
MAHOOD, RORY, B.Sc. (St. Mary's), Human Service Programs
MANFIELD, ROBINA, A.C.T. (St. Lawrence), R.L.A.T., Lab Faculty, Animal Health Technology
MANN, SCOTT B., B.Sc. (U.Vic.), D.V.M. (Sask.), Animal Health Technology
MARSHALL, MALINDA, Dipl. CADD. Tech. (U.C.C.), EDDT
MASTERS, BARBARA, B.A. (Hons.), Dipl. Ed. (U.Vic.), University Preparation
MATHEWS, BRENDA, I.S.P., B.A. (Hons.) (Guelph), M.B.A. (Heriot-Watt), CIST
McBLANE, NAN, B.A. (Alta.), M.A. (Calg.), Lecturer, Sociology
McCLURE, LINDA, R.N., B.Sc.N., M.Sc. (Alta.), Nursing
McGIVERN, RONALD, B.A., M.A. (S.F.U.), Lecturer, Chairperson, Sociology & Anthropology
McISAAC, Keith, Dipl. C.A.S.T. (U.C.C.), C.I.P., T.Q. (Automotive Mechanics) (B.C.), I.D., (Brit. Col.), Electronics & Engineering
McKAY, GAIL, B.F.A. (Brit. Col.), M.A. (Concordia), Cert. Ed. (S.F.U.), LL.B. (Dalhousie), Management
McKAY, SUSAN, B.S.W. (Brit. Col.), M.P.A. (U.Vic.), Human Service Programs
McKENZIE, WENDY, R.N., B.Sc.N. (U.C.C.), Nursing
McKIMMON, PEGGY, B.B.A. (S.F.U.), B.Ed. (Brit. Col.), GDM (Athabasca), C.A., Accounting & Management
McLAUGHLIN, JEFF, B.A., M.A. (Man.), Ph.D. (Alta.), Assistant Professor, Philosophy
McMILLAN, LEY, B.A. (Brit. Col.), University Prep.
McMILLAN, LINDA, B.A. (Brit. Col.), Cert. First Nations Studies (S.F.U.), University Prep.
MERUVIA PASTOR, OSCAR, B.Sc. Eng. (ITESM), M.Sc. (Alta.), PhD. (Magdeburg), Computing Science

MICHELL, RODERICK J.W., B.A., M.A. (Oxon.), English
MILES, STANLEY, B.A. (Hons.) (York), M.A. (York), Ph.D. (York), Assistant Professor, Economics
MILLER, JACK, B.Ed., M.Ed., Cert. Ad. Ed. (U.Vic.), Ed.D. (Brit. Col.) Assistant Professor, Education
MOBERG, KAREN, C.S.W. Cert. (U.C.C.), University Preparation
MOCHIZUKI, MARY-ANN, B.Sc. (Brit. Col.), M.Ed. (U.Vic.), Counsellor, Counselling
MOFFAT, DERRICK, Trade Cert. (Can.), I.D. (V.C.C.), Culinary Arts
MONTOYA, CHRISTOPHER, B.Sc. (Leth.), M.Sc., Ph.D. (Calg.), Psychology (Wm. Lk.)
MORA-DIEZ, NELAINE, B.Sc. (Havana), Ph.D. (Dalhousie), Assistant Professor, Chemistry
MOSHENKO, KIM, B.Sc., Cert. Ed. (Brandon), M.B.A. (Man.), University Prep.
MOSS, RANDY, R.R.T. (U.C.C.), Respiratory Therapy
MOUNCEY, BRENDA, Cert. Hort. (U.C.C.), I.D. (V.C.C.), Cert. E.S.T., Work Experience Coordinator, Education & Skills Training
MOYLS, PETER, B.Phys.Ed., M.P.E. (Brit. Col.), Ph.D. (Toronto), Physical Education
MUELLER, LINDA, R.R.T. (U.C.C.), I.D. (V.C.C.), M.Ed., (S.F.U.), Respiratory Therapy
MUNK, SHARON, B.A. (S.F.U.), M.Ed. (U.N.B.C.), Counsellor, Counselling
MURPHY, P.J., B.A. (Hons.), M.A. (Brit. Col.), H. Dipl. (Dublin), Ph.D. (Reading), Professor, English
MURRAY, JEANETTE, R.N., B.S.N. (Toronto), M.A. (Gonzaga), Chairperson, Nursing

N

NAQVI, KIMBERLY, B.Sc. (Regina), M.A., Ph.D. (Wilfrid Laurier), Assistant Professor, Geography
NASH, RACHEL, B.A. (Hons.) (S.F.U.), M.A., Ph.D. (Waterloo), Assistant Professor, English/Rhetoric and Professional Writing
NELSON, DONALD, B.Sc.(Hons.), Ph.D. (S.F.U.), Assistant Professor, Biological Sciences
NELSON, ROSS, B.A. (Brit. Col.), M.A. (Waterloo), I.G.S. Dipl. (Stockholm), Ph.D. (Brit. Col.), Assistant Professor
NICHOLSON, MERVIN, B.A. (Hons.), M.A., Ph.D. (Toronto), Professor, English
NORDICK, LANETTE, R.N., B.S.N. (U.C.C.), Home Support Resident Care Attendant
NOYES, HEATHER, R.R.T. (U.C.C.), I.D. (V.C.C.), B.H.S. (R.T.) (B.C.O.U.), Respiratory Therapy

O

O'NEIL, KEVIN, B.Sc., M.Sc. (N.B.U.), Computing Science
OKE, MARION, B.A. (Toronto), B.Ed. (Queen's), Coordinator, Co-operative Education
OLD, MARTY, A.Sc.T., Dipl. Air Cond. Eng. Tech. (S.A.I.T.), I.P., Plumb. (Man.), Cert. Gas "A" (B.C.), I.D. (Brit. Col.), Plumbing
OLDRIDGE, DENNIS, B.A.Sc., M.A.Sc. (Civil) (Brit. Col.), P.Eng., EDDT
OLSON, JEN, B.Ed. (Calg.), ACMG Ski Guide, Assistant Rock and Assistant Apline Guide, Adventure Studies
O'REILLY, DAN, B.A. (Hons.) (West. Ont.), Cert. Ed., M.A. (Brit. Col.), Assistant Professor, Philosophy

P

PAETKAU, MAKR J., B.Sc. (Brit. Col.), M.Sc. (Queen's), Ph.D. (Alta.), Lecturer, Physics
PAIVINEN, HELENA, R.N. (C.N.C.), B.Sc.N. (U.Vic.), M.Sc.N. (Calg.), Year 3 & 4 Coordinator, Nursing
PALECHUK, TERRY, B.Phys.Ed. (Alta.), Ski Guide, ACMG, Adventure Studies
PALMER, STEVEN J., Voc. I.D. (Brit. Col.), H.D. Mech. T.Q. (B.C.), Heavy Duty/Commercial Transport Mechanics ELTT
PAPPAS, EVANGELITSA, B.A. (New South Wales), Dipl. F.A. (U.C.C.), TESL Cert. (Sask.), E.S.L.
PARKES, DALE, A.Sc. (U.C.C.), B.Sc. (Brit. Col.), B.E.D.S. (TUNS), M.Arch. (Dalhousie), Registered Architect, MAIBC
PATTEN, MARGARET, B.A.Sc. (Guelph), M.A. (Concordia), Early Childhood Education
PATTERSON, DAWN, R.N., B.Sc.N. (Alta.), M.Ed. (Brit. Col.), Nursing
PAWESKA, RYSZARD, M.Sc.Eng., Ph.D. (Wroclaw), Professor Emeritus, Computing Science
PAWLIUK, NICK, B.A. (U.Vic.), M.A. (Reading), English
PELLER, PETER, B.Sc., M.L.S. (Brit. Col.), Public Services Librarian
PERRY, MARK, Trade Cert. (Can.), I.D. (Leth.), Culinary Arts
PETERS, LOIS D., B.A. (Waterloo), Cert. Ed. (S.F.U.), M.Ed. (U.Vic.), Instructor, Education & Skills Training
PETERSEN, CHRISTINE, B.Sc., Cert. Ed. (Brit. Col.), R.T. (U.C.C.), Lab Faculty, Biological Sciences
PETERSON, MARILYN, Dipl. Psych. Nurs. (Sask.), Work Experience Coordinator, Education and Skills Training Certificate Programs
PETRI, DONNA, R.N., B.Sc.N. (Kansas), M.N.S. (Deakin), Nursing
PHILLIPS, ERNEST A., Dipl. Hort. (Guelph), I.D. (Brit. Col.), Coordinator, Horticulture
PIWOWAR, CINDY, B.Ed., E.C.E. Dipl., (Alta.), M.A.Ed. (Phoenix), Chairperson, Early Childhood Education
POESCHEK, PETER, I.P. Elect. (B.C.), Dipl. Comp. Maint., I.D. (Brit. Col.), Chairperson, Construction Trades
POWERS, PENNY, R.N., B.A. (Calif. Davis), M.S.N., Ph.D. (Wash.), Professor, Nursing
PRESCOTT, WALTER D., Dipl. Bldg. Tech., Services Option (B.C.I.T.), A.Sc.T., EDDT
PURDY, SUSAN, B.Sc., (Durban), M.N.R.M. (Man.), Lab Faculty, Biological Sciences
PURVEY, DIANE, B.A. (Brit. Col.), M.A. (U.Vic.), Ph.D. (Brit. Col.), Assistant Professor, Education, Coordinator, Master of Education

R

RAHMAN, HAFIZ, B.A. (Hons.), M.A. (Jahangirnagar), M.A., Ph.D. (Man.), Associate Professor, Chairperson, Economics
RATSOY, VIRGINIA, B.A. (Hons.), B.Ed., M.A. (Windsor), Assistant Professor, English
READ, SHAWN, B.A. (St. Thomas), C.P.A. (Dalhousie), Chairperson, Career Education, Coordinator, Student Employment Centre
REED, J. NORMAN, B.Sc. (Hons.), M.Sc., Ph.D. (Waterloo), Assistant Professor, Chemistry
REID, ANDREW, D.V.M. (Sask.), Animal Health Technology
REID, ROBIN, C.L.R.T. Dipl. (MRC), B.A., M.A. (Calg.), Tourism Management
REIMER, ELIZABETH, B.A., Cert. Ed. (U.Vic.), M.A., Ph.D. (Toronto), English, Assistant Professor
RENNIE, ELIZABETH, B.A. (Calg.), M.L.S. (Syracuse), Campus Librarian (Wm. Lk.)
REY-BILBEY, MARIE-CHRISTINE, L. ès. L., M.A. (Aix-en-Provence), D.E.L.E., French, Spanish
RICH-McQUAY, IRIS, B.S.W. (Brit. Col.), I.D. (V.C.C.), C.O.P.E., Counselling
RILLE, JOE, Cert "A" Weld. (B.C.), I.P. Welding (B.C.), Voc. I.D. (Brit. Col.), T.Q. Steel Fabricating (B.C.), Welding
ROBERTS, WILLIAM L., B.A. (Reed), M.A., Ph.D. (S.F.U.), Psychology
ROBERTSON, JEANETTE, B.S.W. (Calg.), M.S.W. (U.Vic.), Assistant Professor, Chairperson, BSW Program
ROBINSON, LESLEY, B.Sc. (Brit. Col.), M.Sc. (S.F.U.), Mathematics & Statistics
ROLLANS, SHANE, B.Sc., M.Sc. (Alta.), Ph.D. (Waterloo), Assistant Professor, Mathematics & Statistics
ROSENTRETER, RON, Trade Cert. (Can.), Culinary Arts
ROSS FRIEDMAN, CYNTHIA, B.Sc.(Hons.), Ph.D. (Man.), Assistant Professor, Biological Sciences
ROSS, KAREN, B.Sc. (Hons.) (Waterloo), M.Sc. (Calg.), Lab Faculty, Biological Sciences
ROSS, SUSAN, R.N., B.Sc.N (U.Vic.), Cert. Critical Care (B.C.I.T.), M.Sc.N. (Brit. Col.), Nursing Refresher Program, Nursing
ROSVICK, JOANNE, B.Sc., (Alta.), M.Sc., Ph.D (U.Vic.), Assistant Professor, Physics (Astronomy)
ROY, RICHARD, B.Admin. (Sask.), M.I.R. (Queen's), Assistant Professor, HRM & Management
RUHL, BARBARA, B.Sc. (Hons.) (Guelph), B.Ed. (West. Ont.), Lab Faculty, Chemistry
RUPERT, MAYA, B.Sc., M.Sc. (Comp. Sc.), M. Sc. (Stats.) (L.U.), Diplôme d'Etudes Approffondies, (Rennes), CIST
RUVINSKY, MAXINE, B.F.A. (Concordia), M.A. (Calg.), Ph.D. (McGill), Assistant Professor, Chairperson, Journalism

S

SALVATORE, JOHN, B.Eng. (McMaster) I.D. (B.C.), University Preparation
SANSOME, MICHAEL, B.Ed., Cert. Ed. (Brit. Col.), T.E.S.L. Cert. (V.C.C), E.S.L.
SCHEFFEL, DAVID, B.A. (Man.), Cert. Soc. Anth. (Cantab), M.A. (Memorial), Ph.D. (McMaster), Professor, Anthropology
SCHETTINI, PHILIP, I.D. (V.C.C.), Dipl. Hospitality Mngt. (Cheltenham, U.K.), T.Q. (B.C.), M.Ed. (S.F.U.), Tourism Management
SCHIGOL, MARILYN, B.A. (Sask.), R.N. (Cariboo College), M.Ed. (S.F.U.), Nursing
SCHUMACHER, JANIE, B.A., Cert. Ed. (Brit. Col.), University Prep
SCOLLON, KEVIN B., Cert. Hort. (U.C.C.), Dipl. Hort. (Olds), I.D. (Brit. Col.), B.A.H.T. (Olds), Horticulture
SCOTT, NATASHA, B.Sc. (Waterloo), Dipl. Comp. Sc. (Algonquin), Instructional Assistant, Web Based Applications
SEDGMAN, DAVE, D.V.M. (Sask.), Animal Health Technology, Chairperson, Agriculture-Related Programs
SEIBEL, DUANE, Dipl. CYC (Grant MacEwan), B.A., M.A. (U.Vic.), Lecturer, Chairperson, Human Service Programs
SELDON, JAMES, B.A. (Hons.) (Carleton), Ph.D. (Duke), Professor, Economics
SELDON, ZENA, B.Sc., M.Sc. (Iowa State), Ph.D. (Man.), Associate Professor, Economics
SHEETS, DAVID, R.R.T. (U.C.C.), I.D. (V.C.C.), M.A. (Royal Roads), Chairperson, Allied Health
SHIELDS, MIKE, Voc. I.D. (Brit.Col.), C.I.P. H.D. Mech. (B.C.), C.I.P. Automotive Tech. (B.C.), H.D. Mechanics/Automotive Speciality (Wm. Lk.)
SIGLOCH, BERNDT, Dipl. Ing. (T.U. Berlin), M.B.A. (Brit. Col.), Accounting & Management Science
SIMON, KAREN, B.Ed. (Brit. Col.), University Preparation
SIMPSON, KEN, B.A. (Hons.) (Wilfrid Laurier), B.Ed., M.A. (Toronto), Ph.D. (Brit. Col.), Assistant Professor, English
SIMPSON, SHARON, R.N., B.Sc.N. (Brit. Col.), M.S. (Portland), Assistant Professor, Nursing
SKELLY, MATT, Master Technician, T.Q. (Marine, Inboard/Outboard Marine & Outdoor Power Equip.), C.I.P. (B.C.), Voc. I.D. (Brit. Col.), Power Sports and Marine Equipment
SMITH, BRENDA, B.A., M.A. (S.F.U.), M.L.I.S. (Brit. Col.), Access Services Librarian
SMITH, MAUREEN, B.A. (Calg.), M.Ed.St. (Queensland), Assistant Professor, Coordinator, Technical and Professional English
SMITH, RON G., B.Sc. (Calg.), M.Sc. (S.F.U.), Ph.D. (Dalhousie), Assistant Professor, Biological Sciences
SMITH, RONALD J., B.Ed., Dipl. Ed., M.A. (Calg.), Ph.D. (Leeds), Assistant Professor, Film Studies, Visual and Performing Arts
SOBERLAK, PETER, B.A. (Brit. Col.), M.A. (Queen's), Chairperson, Physical Education
SORENSEN, JACQUELINE, B.N.R.S. (U.C.C.), Lab Faculty, Natural Resource Sciences
SPOONER, MELINDA, B.A. (Guelph), M.F.A. (N.S.C.A.D.)
ST. JOHN, ANNE, B.A., M.A. (Cleveland State), Ph.D. (Kent State), Assistant Professor, History
STAINTON, MICHELINE, I.D. (V.C.C), OA Cert (COTR)
STAINTON, TIM, C.I.P. H.D. Mech. (B.C.), C.I.P. Comm. Trans. (B.C.), C.I.P. Auto Tech (B.C.), Voc. I.D. (Brit. Col.), Chairperson, Mechanical Trades and Welding
STEFAN, ADRIANA, B.Sc. (Bucharest), M.Math. (Transylvania), Dipl. in C.I.S. (Langara), Mathematics & Statistics

STEIGER, JANE, B.Ed. (Brit. Col.), M.A. (Gonzaga), E.S.L.
STEVENS, NAN, B.Phys.Ed. (McMaster), B.Ed. (Lakehead), M.Ad. Ed. (St.F.X.), Assistant Professor, Education
STEWART-PATTERSON, IAIN, B.Phys.Ed., M.Ed. (Calg.), ACMG, UIAGM, IFMGA, Adventure Studies
STIEG, FRANZ, Trade Cert. (Austria), T.Q. (Cook) (B.C.), I.D. (V.C.C.), Culinary Arts
STODDARD, ALICE, B.S.W. (Hons.) (U.Vic.), M.Ed. (U.N.B.C.), University Preparation
SUTHERLAND, JOHN, B.A. (U. Vic.), I.P. Joinery (B.C.), I.D. (Brit. Col.), Joinery
SUTHERLAND, KATHERINE, B.A. (Hons.), M.A. (U. Vic), Ph.D. (York), Associate Professor, English
SWING, ANITA, B.A. (Alta.), M.A. (Athabasca), English

T

TAMAS, MURRAY, C.I.P. H.D. Mech. (B.C.), Heavy Duty Mechanics Apprenticeship
TAMBLYN, KIM, B.Ed. (Brit. Col.), University Prep.
TAMBURRO, PAUL, B.A., M.A. (N. Hampshire), M.S.W. (Salem State), M.A., Ph.D. (Indiana), Assistant Professor, BSW Program
TAPLEY, ROBIN, B.A. (McGill), M.A. (U.N.B.), Ph.D. (McMaster), Assistant Professor, Philosophy
TARLIER, DENISE, R.N., DOCHN (Dalhousie), B.Sc.N., M.Sc.N., Ph.D.(Brit. Col.), Assistant Professor, Nursing
TAWHID, MOHAMED, B.Sc. (Alexandria), M.Sc. (Concordia), M.Sc., Ph.D. (Maryland), Assistant Professor, Mathematics & Statistics
TAYLOR, COLIN, B.Sc., M.Sc. (Brit. Col.), Lab Faculty, Physics
TAYLOR, MONA, R.N., B.Sc.N (U.Vic.), M.Sc.N (Brit. Col.), Practice Placement Coordinator, Nursing
TAYLOR, RICHARD, M.Sc. (Brit. Col.) Geophysics, Ph.D. (Waterloo), Assistant Professor Mathematics
TAYLOR, SHARON, B.A. (U.Vic.), I.D. (B.C.), University Preparation
TEMPLEMAN, ELIZABETH J., B.A. (Cornell), Cert. Ed., M.A. (Cent. Wash.), E.S.L., S.L.
TERWIEL, ANNE, PDP, GDBA (SFU)
THOMPSON, BRENDA, B.A. (Hons.) (Trent), M.A. (West. Ont.), English & Technical/Professional English
THOMPSON, DAN, B.Comm. (Hons.), B.Ed. (Man.), M.B.A. (Queen's), Cert. in Data Processing (R.R.C.), C.M.A., C.F.A., Assistant Professor, Accounting & Finance
THOMPSON, DEBORAH, B.Phys.Ed., P.D.A.D. (Alta.), Cert. Ed., M. Ed. (Manchester), E.S.L.
THOMPSON, SHAWN, B.A. (Hons.) (West. Ont.), M.A. (Queen's), Assistant Professor, Journalism
THOMSON, BRUCE, B.A. (Brit. Col.), Cert. Ed. (S.F.U.), M.A.T. (S.I.T.), Chairperson, E.S.L.
THOMSON, JAMES, R.P.N. (Douglas), R.N. (U.C.C.), CPMHN(C), B.Sc.N. (Sask.), Nursing Lecturer, Nursing
THORAVAL, YVES, L. ès. L., M.A. (Rennes), French
TITCHENER, GORDON, B.A. (Hons.), M.Sc. (Calg.)
TODINO, HONORIO, B.Sc. (Philippines), M.B.A. (Virginia), Ph.D. (Western Ontario), Associate Professor, Management
TOMKINS, DAVE, B.A. (Regina), M.Sc. (Calg.), Mathematics & Statistics
TORDOFF, GORDON K., T.Q. (Auto/H.D. Partsperson Specialty) (Ford, Dagenham, England), Voc. I.D. (Brit. Col.), Partsperson
TSIGARIS, PETER, B.Comm., M.A., Ph.D. (Concordia), Associate Professor, Economics
TSUI, ERNEST, B.Sc.(Hons.), B.Ed. (Brit. Col.), M.Sc. (London), Ph.D. (Essex), Physics
TWYNAM, NANCY, B.Sc. (Concordia), M.Sc. (Oregon)

U

UNDERWOOD, RANDY, I.P. Elect. (Alta.), Class "B", Electrical
URBAN, JOANNA, R.T., M.Sc. (Poland), Lab Faculty, Biological Sciences

V

VALADE, GILLES, Dipl. Gen. Ins. (Vieux Montreal), Dipl. Adv. Tour., B.T.M. (U.C.C.), C.I.P. Ins. (Inst. of Canada), M.B.A. (Guelph), Chairperson, Adventure Studies
VAN HAMME, JONATHAN, B.Sc.(Hons.), Ph.D. (Waterloo), Assistant Professor, Biological Sciences
VAN NOORTWYK, SUSAN, R.N., B.S.N. (U.Vic.), Nursing
VEDD, RISHMA, M.B.A. (City), Ph.D. (Dundee), C.G.A., Associate Professor, Accounting & Management
VERMEULEN, SANDRA, B.A. (Hons.) (Winnipeg), M.A., PhD. (S.F.U.), Assistant Professor and Chairperson, Psychology
VIAUD, GILLES, B.A., M.A. (Laval), Ph.D. (Sask.), Assistant Professor, Chairperson, Geography
VILLENEUVE, ERIC, B.Sc. (Ottawa), M.Sc. (Calg.), University Prep.

W

WAGNER, DALE, R.N., B.S.N. (Leth.), M.S. (C.C.H.S.), Nursing
WALCZAK, SONIA, Dipl. A.H.T. (U.C.C.), Animal Health Technology
WALDICHUK, TOM, B.A. (Carlton), Ex. Dipl. (S.F.U.), M.A. (Wilfrid Laurier), Ph.D. (York), Assistant Professor, Geography
WALKER, ED, Trade Cert. (Can.), I.D. (V.C.C.), Culinary Arts
WALKER, NERINE, B.A., B.L.S. (S. Africa), Cert. Ed., M.Ed. (S.F.U.), E.S.L.
WALLIN, MARK, B.A. (Trinity Western), M.A. (Waterloo)
WALMSLEY, CHRISTOPHER, B.S. (Springfield), M.A. (S.W.P.) (McMaster), Ph.D. (Laval), Assistant Professor, BSW Program
WALTON, PATRICK, B.A., B.Ed., M.Ed. (Regina), Ph.D. (Brit. Col.), Associate Professor, Chairperson, Education
WARD, BRIAN, I.P. Elect. (Alta.), Dipl. CAST (U.C.C.), I.D. (Brit. Col.), Electrical
WARREN, BERNIE, B.Sc.F. (Toronto), M.A.Sc. (Waterloo), Management Science & MIS, Chairperson, Management
WATSON, E. KENT, B.Sc., M.Sc. (Brit. Col.), Assistant Professor, Natural Resource Sciences
WATSON, SHERI M., B.Sc., M.Sc. (Calg.), Lab Faculty, Natural Resource Sciences
WEBSTER, REID, B.A.(Hons.) (Queen's), M.Sc. (Waterloo), Ph.D. (S.F.U.), Psychology
WEISGERBER, DENISE, B.A. (Brit. Col.), M.A. (Toronto), Psychology
WELCH, TROY, Applied Writing Cert., Electronic Publishing Cert. (Selkirk), M.Ed. (S.F.U.), Digital Art & Design
WELLS, DIANE, R.N., B.Sc.N. (Portland), Nursing
WEREMCZUK, GEORGE, B.Sc. (Brit. Col.), Dipl. Met. (McGill), Comp. Maint. Cert. (U.C.C.), Lab Faculty, Physics
WEST, DIANNE, B.B.A. (UCC), M.Sc.A (Concordia), Marketing
WHARF, DAVE, C.I.P. H.D. Mech (Alta.), C.I.P. Comm.Trans. (B.C.), Voc I.D. (Brit. Col.), Heavy Duty Mechanics Apprenticeship
WHITE, MARILYN, R.N., B.N. (McGill), Nursing
WHITE, STEPHEN, I.P., Plumb. (B.C.), Gas "B" (B.C.), I.D. (Brit. Col.), Plumbing
WHITEHEAD, KENNETH, B.Sc. (Glasgow), M.Sc. (Dundee), Geography
WHITTLES, MARTIN, B.A. (Leth.), M.Sc. (L.S.E.), Ph.D. (Cantab), Assistant Professor, Anthropology, Coordinator, Master of Education
WIEBE, LES, Cert. "A" Weld. (B.C.), I.P. Welding (B.C.), T.Q. Steel Fabricating (B.C.), Voc. I.D., I.I.W./I.W.S., Level III Weld. Inspector (C.W.B.), Welding
WILLIAM, GERRY, B.A. (U.Vic.), Ph.D. (Union Institute & University), Acting Coordinator, BSW Program, NVIT
WILLIAMS, HEATHER, B.A. (Hons.) (Alta.), M.B.A. (Athabasca), C.A., C.M.A., Accounting & Finance
WILTSE, LYNNE, B.Ed. (U.Vic.), M.Ed., Ph.D. (Alta.), Assistant Professor, Education
WOEPPEL, PHYLLIS, B.Sc., B.Ed. (Sask.), Administrative Assistant Program
WOLOSZYN, MICHAEL, B.Sc. (Hons), Ph.D. (McMaster), Assistant Professor, Psychology
WONG, KIN, Dipl. Chem. Tech. (NAIT), Lab Faculty, Chemistry
WRIGLEY, JOHN, Auto Mech, (B.C.), Voc ID (Brit. Col.), Automotive
WYLIE, KEN, B.Phys.Ed. (Calg.), ACMG, Adventure Studies

Y

YARMIE, ANDREW, B.A. (Hons.) (U.Vic.), Ph.D. (London), Associate Professor, History
YU, ROGER, M.Sc. (Shandong), Ph.D. (S.F.U.), Professor, Mathematics & Statistics

Z

ZAWADUK, CHERYL, R.N. (U.C.C.), B.S.N. (U.Vic.), M.S. (Portland), Assistant Professor, Nursing
ZHANG, YAYING, B.A. (Yangzhou), M.A., Ph.D. (S.F.U.) Assistant Professor, English/Rhetoric and Professional Writing

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Z

Welcome to TRU in Kamloops

900 McGill Road, Kamloops, BC V2C 5N3

The main campus of TRU is located on the south slope of Kamloops, just below the Trans-Canada Highway. The campus, which overlooks the meeting point of the North and South Thompson Rivers, has 40 hectares of developed land, with another 60 hectares for future growth. The beautifully landscaped grounds are also home to one of the largest botanical collections in the Interior of British Columbia.

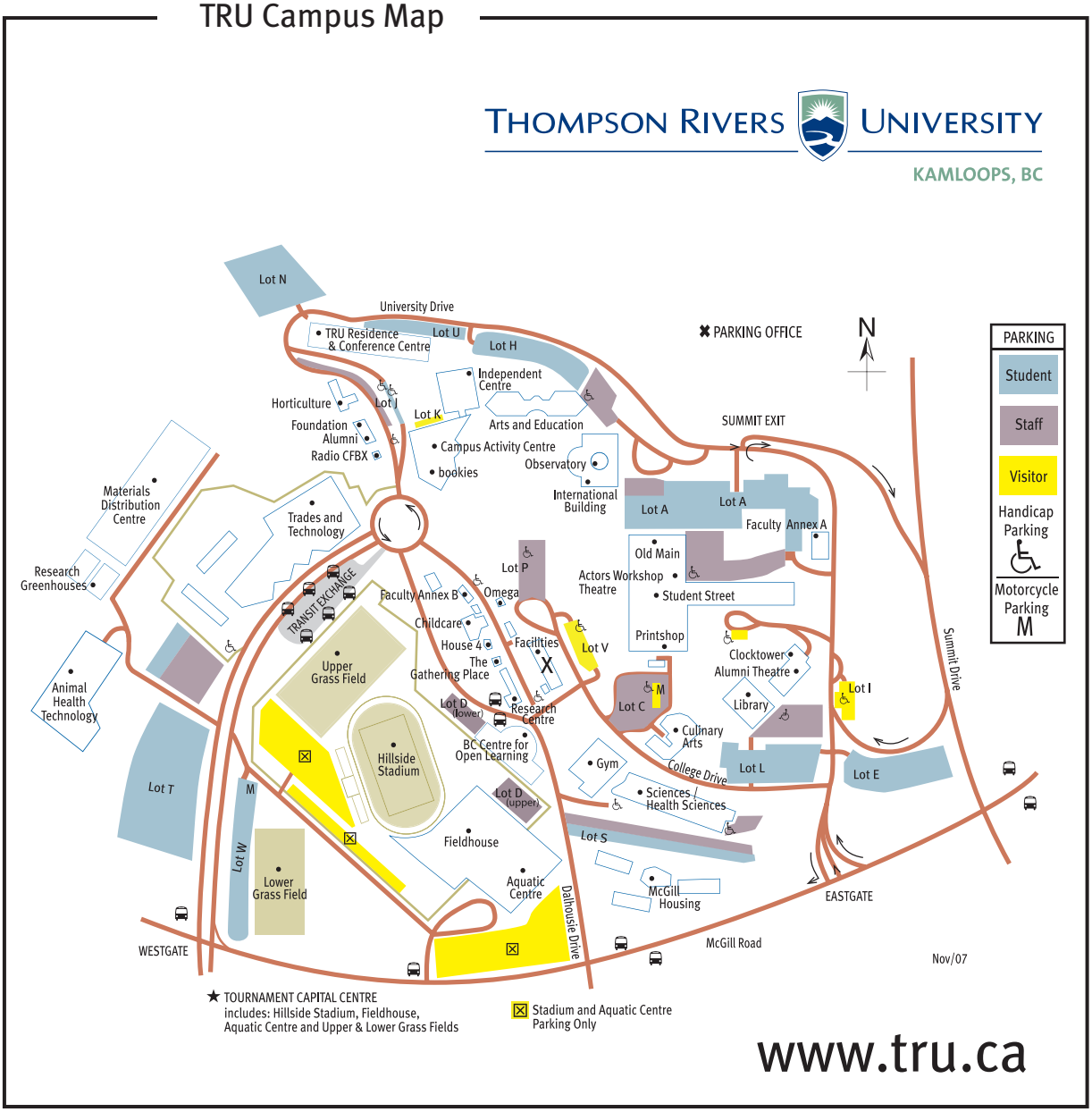
Tours

Interested in a tour of our campus? You can arrange a tour through the Marketing & Communications Office by emailing tours@tru.ca or by calling us at 250.828.5006. For more information visit our website and search for campus tours.

Parking

Daily parking permits may be purchased from ticket dispensing machines located in each pay parking lot. Daily parking permits must be clearly visible placed face up on the left side of the vehicle dashboard.

TRU Campus Map



MC7411

TRU Calendar 2008.09

THOMPSON RIVERS UNIVERSITY

Important Phone Numbers

Area Code (250)

Campus Receptionist 828.5000
Academic Advising: Phone 828.5075
Academic Advising: Fax.....371.5937
bookies (TRU Bookstore).....828.5141
Counselling.....828.5023
Financial Aid & Awards 828.5024
Gymnasium.....828.5270
Library Info Desk 828.5306
Records.....828.5036
Residence 828.8999
Security 828.5033
Security (cellular) 371.7957

Regional Centres

Ashcroft/Cache Creek.....453.9999
Barriere.....672.9875
Chase 679.8329
Clearwater 674.3255
100 Mile House 395.3115
Lillooet 256.4296

Williams Lake Campus

1250 Western Ave, Williams Lake BC V2G 1H7
Admissions: Phone.....392.8020
Admissions: Fax 392.8008

Kamloops Campus

PO Box 3010, Kamloops BC V2C 5N3
MAIN SWITCHBOARD 828.5000

Marketing & Communications and Student Recruitment
› General Information Packages
› Campus Tours and High School Liaison
Phone 828.5006
Fax.....828.5159
Email .....truinfo@tru.ca

Applications for Admission
Admissions: Phone.....828.5071
or Toll Free 1.888.522.4822
Admissions: Fax 371.5960
Admissions: Email .....admissions@tru.ca
Apply online .....www.tru.ca