

FIRST YEAR SCIENCE — MAJOR OPTIONS

ENGLISH		
IF YOU TOOK	YOUR GRADE	CHOOSE
English 12/First Peoples 12 or ESAL 0570/0580 or ENGL 0600	73–79% (gov't. exam incl.) or equiv. within the last five (5) years 67% or higher 67% or higher	} ENGL 1100
English 12/First Peoples 12	80% or higher (gov't. exam incl.) or equiv. within the last five (5) years	
English 12/First Peoples 12	Below 73%	ACCUPLACER Assessment or ENGL 0600

BIOLOGY		
IF YOU TOOK	YOUR GRADE	CHOOSE
Biology 11 or 12 AND Chemistry 11	67% or higher	BIOL 1110 AND 1210
Biology 11	Below 67%	BIOL 0500
IF YOU NEED Biology 11		BIOL 0500
Chemistry 11		CHEM 0500

CHEMISTRY		
IF YOU TOOK	YOUR GRADE	CHOOSE
Chemistry 11 AND Pre-Calculus 12	67% or higher (recommended)	CHEM 1500 AND 1510
Chemistry 12 AND Pre-Calculus 12	73% or higher (recommended)	CHEM 1500 AND 1520
IF YOU NEED Chemistry 11		CHEM 0500
Chemistry 12		CHEM 0600
Pre-Calculus 12		SEE MATH SECTION BELOW

PHYSICS		
IF YOU TOOK	YOUR GRADE	CHOOSE
Physics 11 AND Pre-Calculus 12	67% or higher	PHYS 1100 AND 1200
Physics 12 AND Pre-Calculus 12	67% or higher 67% or higher	PHYS 1150 AND 1250
Physics 11	Below 67%	PHYS 0500
IF YOU NEED Physics 11		PHYS 0500
Physics 12		PHYS 0600
Pre-Calculus 12		SEE MATH SECTION BELOW

MATH — EVERY SCIENCE MAJOR REQUIRES 6 CREDITS OF FIRST-YEAR CALCULUS

IF YOU TOOK

YOUR GRADE

CHOOSE

Pre-Calculus 12

Above 86% (within the last 2 years)



One of the following streams:
MATH 1130 /1230
MATH 1140/1240
MATH 1150/1250

67%–85% (within the last 2 years)



One of the following streams:
MATH 1140/1240
MATH 1150/1250

Below 67% (within the last 2 years)



MATH 1000 or 0630 or 0600 + 0610
MATH 1140 or 1150

Foundations 12

All grades



MATH 0510 + MATH 0600 + MATH 0610 +
MATH 1140 or 1150

MATH 1130 /1230 is recommended for all Science Majors and Engineering bound students

MATH 1140/1240 is recommended for all Science Majors

MATH 1150/1250 is recommended for all Biology Majors

PLEASE NOTE

For all high school courses with no required grade listed, 67% or higher is highly recommended.

For best chances of academic success, completion of the grade 12 level of the subject area of your intended major is recommended. (e.g. for a Physics major, you should have Grade 12 Physics). High school equivalent courses can be taken or repeated at TRU.

BIOLOGY Major

FALL SEMESTER

ENGL 1100 or 1110
MATH 1130 or 1140 or 1150
BIOL 1110
CHEM 1500
PHYS 1100 (or 1150) or non-Science elective

WINTER SEMESTER

ENGL 1100 or 1110 or 1120 or 1140 or 1210
MATH 1230 or 1240 or 1250
BIOL 1210
CHEM 1510 or 1520
PHYS 1200 (or 1250) or non-Science elective

CHEMISTRY Major

FALL SEMESTER

ENGL 1100 or 1110
MATH 1130 or 1140 or 1150
BIOL 1110
CHEM 1500
PHYS 1100 (or 1150) or non-Science elective

WINTER SEMESTER

ENGL 1100 or 1110 or 1120 or 1140 or 1210
MATH 1230 or 1240 or 1250
BIOL 1210
CHEM 1520 (or 1510)
PHYS 1200 (or 1250) or non-Science elective

COMPUTING Major or MATHEMATICS Major

FALL SEMESTER

ENGL 1100 or 1110
MATH 1130 or 1140
COMP 1130
CHEM 1500
PHYS 1100 (or 1150) or non-Science elective

WINTER SEMESTER

ENGL 1100 or 1110 or 1120 or 1140 or 1210
MATH 1230 or 1240
COMP 1230
MATH 1700
BIOL 1210 or GEOL 1110 or STAT 2000 or non-Science elective

PHYSICS Major

FALL SEMESTER

ENGL 1100 or 1110
MATH 1130 or 1140
COMP 1130
CHEM 1500
PHYS 1150 (or 1100)

WINTER SEMESTER

ENGL 1100 or 1110 or 1120 or 1140 or 1210
MATH 1230 or 1240
BIOL 1210 or GEOL 1110
CHEM 1510 or 1520
PHYS 1250 (or 1200)

PLEASE NOTE

For the BIOL majors, students with 80% or higher in Grade 12 Physics may opt to take an alternate course instead of the second first-year PHYS course

Please speak to an Academic Advisor before opting out of a course as this may affect future academic and career goals.

KEEP IN MIND

Course Sequencing: These course sequences are a guideline. Please speak to an Academic Advisor for more detailed course planning if required.

Course Load: Transitioning to university can be challenging and many students choose to take a lighter course load. Feel free to speak with an Academic Advisor to confirm if this is the best choice.

Resources: More about the program requirements at tru.ca/calendar
More about course prerequisites, co-requisites and course times at: tru.ca/campus/current/registration/course_schedules

BACHELOR OF SCIENCE – FIRST AND SECOND YEAR NON-SCIENCE ELECTIVES

Anthropology (ANTH)	All	Linguistics (LING)	All
Archaeology (ARCH)	All	Management (MNGT)	1710
Accounting (ACCT)	2210, 2250	Marketing (MKTG)	2430
Business Law (BLAW)	2910	Modern Languages (MLAN)	All
Chinese (CHIN)	1110, 1210	Music (MUSI)	1700, 1800
Communications (CMNS)	All	Organizational Behaviour (ORGB)	2810
Digital Arts & Design (DAAD)	1500	Philosophy (PHIL)	All
Economics (ECON)	All	Physical Education (PHED) Non-Activity	1000, 1230, 2110, 2130, 2210
English (ENGL)	All	Political Studies (POLI)	All
French (FRAN)	All	Psychology (PSYC)	All
Film (FILM)	All	Service & Community Learning (SRCL)	1000
Finance (FNCE)	2120	Sociology (SOCL)	All
First Nation Language (FNLG)	All	Spanish (SPAN)	All
Geography (GEOG) (non-physical)	All (excluded: GEOG 1000, 2020)	Speech (SPEE)	1500, 2500
German (GERM)	All	Student Success (STSS)	1030, 1040, 1050, 1070 (must take 3 courses to receive 3 credits)
History (HIST)	All 1000 level & 2000 level	Theatre (THTR)	All
Human Resource Management (HRMN)	2820	Visual Arts (VISA) (Theory)	All
Japanese (JAPA)	All	Visual Arts (VISA) (Studio)	All
Journalism (JOUR)	2010		