THOMPSON RIVERS UNIVERSITY

Academic Advising
T: 250-828-5075 | F: 250-371-5960
E: advising@tru.ca
W: tru.ca/advising

GUIDELINES FOR
BACHELOR OF COMPUTING SCIENCE

FIRST- AND SECOND- YEAR COMPUTING SCIENCE

ENGLISH

IF YOU TOOK	YOUR GRADE		CHOOSE
English Studies 12/English First Peoples 12 **or**	73% or higher		
ESAL 0570 <u>and</u> 0580 **or**	65% or higher	➡	ENGL 1100
ENGL 0600 **or** ENGL 0620	65% or higher		
English Studies 12/English First Peoples 12	Below 73%	➡	ACCUPLACER Assessment or ENGL 0600 **or** ENGL 0620

MATHEMATICS

IF YOU TOOK	YOUR GRADE (within the last 2 years)		CHOOSE
Pre-Calculus 12	67% or higher	➡	MATH 1650 **or** MATH 1700
Pre-Calculus 12	Below 67%	➡	MATH 1000 **or** MATH 0630 **or** MATH0600+0610
Foundations 12	67% or higher	➡	MATH 1650 **or** MATH 1700
Foundations 12	Below 67%	➡	MATH 0650

YEAR 1

FALL SEMESTER		WINTER SEMESTER	
ENGL 1100: Intro. to University Writing		CMNS 1290: Intro. to Professional Writing	
COMP 1130: Computer Programming 1		COMP 1230: Computer Programming 2	
MATH 1700: Discrete Mathematics 1		MATH 1650: Mathematics for Computing Science	
Elective – Non-Computing		Elective – Non-Science	
Elective – Non-Computing		Elective – Non-Computing	

YEAR 2

FALL SEMESTER		WINTER SEMESTER	
COMP 2130: Intro. to Computing Systems		COMP 2210: Programming Methods	
COMP 2160: Mobile Application Development 1		COMP 2680: Web Site Design and Development	
COMP 2230: Data Structure, Algorithm Analysis etc.		COMP 2920: Software Architecture & Design	
Elective – General		Elective – General	
Elective – Indigenous Knowledge and Ways (ILO)		Elective – Lifelong Learning (ILO)	

A grade of C or higher is required in all prerequisite COMP and MATH courses

*NEW Institutional Learning Outcomes (ILO) Requirements – see page 3

COMPUTING SCIENCE – FIRST- & SECOND-YEAR ELECTIVES

Accounting (ACCT)	2210, 2250, 2280	Linguistics (LING)	2010, 2020
Agricultural Science (AGSC)	2100, 2200	Management (MNGT)	1710
Anthropology (ANTH)	All	Management Information Systems (MIST)	2610
Archaeology (ARCH)	All	Marketing (MKTG)	2430
Astronomy (ASTR)	All	Mathematics (MATH)	All
Biology (BIOL)	All	Modern Language (MLAN)	1110, 1210, 2700
Business Law (BLAW)	2910	Music (MUSI) (Choir)	All
Chemistry (CHEM)	All	Natural Resource Science (NRSC)	All
Chinese (CHIN)	1110, 1210	Organizational Behaviour (ORGB)	2810
Communications (CMNS)	All	Philosophy (PHIL)	All
Computing (COMP)	1110 (take prior to Comp 2210), 1810, 1-credit courses (3 only)	Physical Education (Activity)	All 1000 level
Economics (ECON)	All	Physical Education (Theory)	All
English (ENGL)	All	Physics (PHYS)	All
Event (EVNT)	All (except 2500)	Political Studies (POLI)	All
Film (FILM)	All	Psychology (PSYC)	All
Finance (FNCE)	2120	Service & Community Learning (SRCL)	1000
First Nations Language (FNLG)	All	Social Work (SOCW)	2060, 2120
French (FRAN)	All	Sociology (SOCI)	All
Geography (GEOG)	All	Spanish (SPAN)	All
Geology (GEOL)	All	Speech (SPEE)	All
German (GERM)	All	Statistics (STAT)	All
History (HIST)	All	Student Success (STSS)	1 credit courses (All)
Hotel Management (HMGT)	All (except 2500)	Theatre (THTR)	All
Human Resource Management (HRMN)	2820	Tourism (TMGT)	All
Japanese (JAPA)	All	Visual Arts (VISA)	All 1000 level and 2000 level (Studio and Theory)
Journalism (JOUR)	All		

KEEP IN MIND

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 discuss course sequencing and workload.
Resources: More about the program requirements at https://www.tru.ca/current/enrolment-services/calendar.html
More about course prerequisites, co-requisites and course times at: tru.ca/current/enrolment-services/course-schedule.html

INSTITUTIONAL LEARNING OUTCOMES

If you are required to satisfy the ILO's, you must have courses that meet the following requirements:
- 1 course for each of the eight Institutional learning outcomes
- Of those 8 courses, a minimum of 4 (1 in each theme) must be outside the discipline.
- Of those 8 courses, one must also be designated as high impact.
- You must also complete the Capstone course in the final 30 credits of your study.

	Institutional Learning Outcome	Course	Inside or Outside?	High Impact?
Connection	Communication	ENGL 1100	Outside	
	Teamwork	COMP 3520	Inside	
Engagement	Lifelong Learning		Outside	
	Social Responsibility	COMP 4930	Inside	
Exploration	Knowledge	COMP 3710	Inside	Yes
	Critical Thinking	MATH 1700	Outside	
Local-to-Global	Indigenous Knowledges & Ways		Outside	
	Intercultural Awareness	COMP 3450	Inside	
	Capstone	COMP 4910	Inside	

How do I search for an ILO course?
Visit the course schedule and select a term. On the following screen, click the Attribute box and select an ILO.