



Name:	TRU#
Advisor:	Date:
Major: COMPUTING SCIENCE	Minor:

Bachelor Of Science COMPUTING SCIENCE MAJOR Checksheet (120 credits)

1000-Level CORE courses (27-30 credits)		2000-Level CORE courses (27 credits)		3000/4000-Level CORE courses (30 credits)		
COURSE	GRADE	COURSE	GRADE	COURSE	GRADE	
ENGL 1100 or 1110 ¹		COMP 2130 - Introduction to Computer Systems		COMP 3260 - Computer Network Security		
ENGL 1100, 1110, 1120, 1210 ¹		COMP 2160 - Mobile Application Development		COMP 3270 - Computer Networks		
COMP 1130 - Computer Programming 1		COMP 2210 - Programming Methods		COMP 3410 - Operating Systems		
COMP 1230 – Computer Programming 2		COMP 2230 – Data Structures, Algorithm Analysis		COMP 3450 - Human-Computer Interaction Des.		
MATH 1140 – Calculus 1		COMP 2680 - Web Site Design and Development		COMP 3540 – Adv. Web Design & Programming		
MATH 1240 – Calculus 2		COMP 2920 - Software Architecture and Design		COMP 3610 - Database Systems		
MATH 1700		MATH 2120 - Linear Algebra 1		COMP 3710 - Applied Artificial Intelligence		
CHEM 1500 – Chemical bonding & organic		STAT 2000 - Introduction to Statistics		COMP 3520 - Software Engineering		
PHYS 1100 or 1150		CMNS 2290 or 2300 ¹		COMP 4910 - Computing Science Project		
1 of BIOL 1110 or 1210 Or GEOL 1110 or 2050		ELECTIVES 1000-4000 level (15-18 credits)		COMP 4930 - Professional and Ethical Issues		
Notes: 1. Students with a B or better in ENGL 1100 or 1110 may proceed into CMNS 2290 or 2300 in their second year without completing an additional 3 credits in ENGL. These students will be required to take an additional 3 credit nonscience elective. 2. Electives must include 9-12 credits in at least two disciplines outside of science (other than English). The remaining elective credits may be chosen from any discipline; 6 of these must be in courses numbered 3000 or higher.		Non-science elective ²		3000/4000 Level Computing Electives (12 credits)		
		Non-science elective ²		3000/4000 level COMP elective		
		Elective in lieu of 2 nd ENGL ¹		3000/4000 level COMP elective		
		Lifelong Learning ILO ³		3000/4000 level COMP elective		
		Indigenous Knowledge & Ways ILO ³		3000/4000 Level Electives (6 credits)		
		3. Lifelong Learning, Indigenous Knowledge & Ways and Knowledge ILO courses must be approved by your advisor.		3000/4000 Knowledge ILO ³		
				3000/4000 General elective		

KEEP IN MIND

Course Load: Transitioning to university can be challenging and many students choose to take a lighter course load. Please speak with Academic Advising to discuss sequencing and workload.
 Resources: More about the program requirements at 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

1st and 2nd year SCIENCE COURSE SEQUENCE

FALL SEMESTER ONLY	WINTER SEMESTER ONLY
BIOL 1110	BIOL 1210
CHEM 1500	CHEM 1510 or 1520
CHEM 2120	CHEM 2220
COMP 1130	COMP 1130
COMP 1230	COMP 1230
All 2000 level COMP	All 2000 level COMP
MATH 1140	MATH 1140
MATH 1240	MATH 1240
MATH 1700	MATH 1700
MATH 2120	MATH 2120
STAT 2000	
PHYS 1100 or 1150	PHYS 1200 or 1250

INSTITUTIONAL LEARNING OUTCOMES

To graduate from a TRU Bachelor degree, students may be required to satisfy 8 Institutional Learning Outcomes (ILO) plus a Capstone course. (27 credits).

To find out if these requirements apply to you, please refer to DegreeWorks (available through [myTRU](#)) or contact your Program Advisor (BscAdvising@tru.ca) for more information.

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		Outside	
	Critical Thinking	COMP 2160/2680	Inside	Yes
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.