



THOMPSON RIVERS UNIVERSITY

Academic Advising
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GUIDELINES & CHECKSHEET FOR BACHELOR OF COMPUTING SCIENCE

GUIDELINES

ENGLISH & MATH PLACEMENT

ENGLISH

IF YOU TOOK	YOUR GRADE	CHOOSE	
English Studies 12 or English First Peoples 12 or ESAL 0570 and 0580 or ENGL 0600 or ENGL 0620	73% or higher 65% or higher 65% or higher	} ENGL 1100	
English Studies 12 or 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 MATH 0600+0610
Foundations 12	67% or higher	→ MATH 1650 or MATH 1700
Foundations 12	Below 67%	→ MATH 0650

SUGGESTED COURSE PLAN

YEAR 1

SEMESTER 1

ENGL 1100: Intro. to University Writing
COMP 1130: Computer Programming 1
MATH 1700: Discrete Mathematics 1
Elective – Non-Computing
Elective – Non-Computing

SEMESTER 2

CMNS 1290: Intro. to Professional Writing
COMP 1230: Computer Programming 2
MATH 1650: Mathematics for Computing Science
Elective – Non-Science
Elective – Non-Computing

YEAR 2

SEMESTER 1

COMP 2130: Intro. to Computing Systems
COMP 2160: Mobile Application Development 1
COMP 2230: Data Structure, Algorithm Analysis etc.
Elective – General
Elective – Indigenous Knowledge and Ways (ILO)

SEMESTER 2

COMP 2210: Programming Methods
COMP 2680: Web Site Design and Development
COMP 2920: Software Architecture & Design
Elective – General
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 – your [Degree Works Program Plan](#) is available through [myTRU](#)

Current as of 2024/2025



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GUIDELINES & CHECKSHEET FOR BACHELOR OF COMPUTING SCIENCE

BACHELOR OF COMPUTING SCIENCE DEGREE CHECKSHEET (120 credits)

1000 & 2000 Level CORE courses (36 credits)		General ELECTIVES (42 credits) 1000-4000 Level			3000/4000-Level COMP courses (42 credits)	
1000 Level CORE courses		ELECTIVE courses			3000-4000 Level CORE courses	
COURSE	GRADE	REQUIREMENTS	COURSE	GRADE	COURSE	GRADE
COMP 1130 - Computer Programming 1		Non-Science Elective			COMP 3260 - Computer Network Security	
COMP 1230 - Computer Programming 2		Non-Computing Elective			COMP 3270 – Computer Networks	
MATH 1650 - Math for Computing Science		Non-Computing Elective			COMP 3410 - Operating Systems	
MATH 1700 - Discrete Mathematics		Non-Computing Elective			COMP 3450 - Human-Computer Interaction	
ENGL 1100 – Intro. to University Writing		General Elective			COMP 3520 - Software Engineering	
CMNS 1290 – Intro. to Professional Writing		General Elective			COMP 3540 - Advanced Web Design & Prog.	
2000 Level CORE courses		General Elective			COMP 3610 – Database Systems	
COURSE	GRADE	General Elective			COMP 3710 - Applied Artificial Intelligence	
COMP 2130 – Intro. to Computer Systems		General Elective			COMP 4910 - Computer Science Project	
COMP 2230 - Data Structure, Algorithm Analysis		General Elective			COMP 4930 –Prof. & Ethical Issues in Comp Sci.	
COMP 2160 - Mobile App Development 1		General Elective			3000-4000 COMP	
COMP 2680 - Web Site Design & Develop.		Elective–Lifelong Learning (ILO)			3000-4000 COMP	
COMP 2210 - Programming Methods		Elective–Indigenous Knowledge (ILO)			3000-4000 COMP	
COMP 2920 - Software Architecture & Design		General Elective - 3000/4000 level			3000-4000 COMP	
		*** NOTE: Only 1 of above electives must be 3000/4000 level ***				

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

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

CORE COURSE PREREQUISITES

CORE COURSES		PREREQUISITES
ENGL 1100	Introduction to University Writing	English Studies 12 or English First Peoples 12 with min. 73% or equivalent
COMP 1130	Computer Programming 1	English Studies 12 or English First Peoples 12 with min. 73% or equivalent
COMP 1230	Computer Programming 2	C or better in COMP 1130
CMNS 1290	Introduction to Professional Writing	None
MATH 1650	Mathematics for Computing Science	Pre-calc 12 minimum C+ or Foundations of Math 12 minimum C+ or MATH 0600 minimum B, or MATH 0610 minimum C- or MATH 0630 minimum C- or MATH 0650 minimum C- or MATH 1000 minimum C-
MATH 1700	Discrete Mathematics 1	Pre-calc 12 minimum C+ or Foundations of Math 12 minimum C+ or MATH 0600 minimum B, or MATH 0610 minimum C- or MATH 0630 minimum C- or MATH 0650 minimum C- or MATH 1000 minimum C-
COMP 2680	Website Design & Development	C or better in COMP 1130
COMP 2130	Intro. to Computer Systems	C or better in COMP 1230
COMP 2160	Mobile Applications Development 1	C or better in COMP 1230
COMP 2230	Data Structure, Algorithm Analysis & Design	C or better in COMP 1230 or COMP 2120 or COMP 1240 and MATH 1700 or COMP 1390
COMP 2210	Programming Methods	C or better in COMP 1230
COMP 2920	Software Architecture and Design	C or better in COMP 1230

ELECTIVES

Accounting (ACCT)	2210, 2250, 2280	Japanese (JAPA)	All
Agricultural Science (AGSC)	2100, 2200	Journalism (JOUR)	All
Anthropology (ANTH)	All	Linguistics (LING)	2010, 2020
Archaeology (ARCH)	All	Management (MNGT)	1710
Astronomy (ASTR)	All	Management Information Systems (MIST)	2610
Biology (BIOL)	All	Marketing (MKTG)	2430
Business Law (BLAW)	2910	Mathematics (MATH)	All
Chemistry (CHEM)	All	Modern Language (MLAN)	1110, 1210, 2700
Chinese (CHIN)	1110, 1210	Music (MUSI) (Choir)	All
Communications (CMNS)	All	Natural Resource Science (NRSC)	All
Computing (COMP)	1110 (take prior to COMP 2210), 1810	Organizational Behaviour (ORGB)	2810
Criminology (CRIM)	All	Philosophy (PHIL)	All
Economics (ECON)	All	Physical Education (Activity)	All 1000 level
Creative Writing (CRWR)	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 (SOCL)	All
Geography (GEOG)	All	Spanish (SPAN)	All
Geology (GEOL)	All	Speech (SPEE)	All
German (GERM)	All	Statistics (STAT)	All
Health (HLTH)	All	Student Success (STSS)	All
History (HIST)	All	Theatre (THTR)	All
Hotel Management (HMGT)	All (except 2500)	Tourism (TMGT)	All
Human Resource Management (HRMN)	2820	Visual Arts (VISA)	All 1000 level and 2000 level
Indigenous Studies (INDG)	2100		