

GUIDELINES FOR BACHELOR OF ARTS (MATH)

BACHELOR OF ARTS DEGREE REQUIREMENTS

First-Year English Requirement

Min. 6 credits of any two of the following English at the 1000 level: ENGL 1100, 1110, 1120, 1140, 1210	_____

Scientific and Formal Reasoning Requirement (SFR)

Min. 9 credits in any of the following: Archaeology: ARCH 1110, 2010 Computing Science: COMP Mathematics: MATH Philosophy: PHIL 2220, 2400 Physical Geography: GEOG 1000, 2020, 2050, 2700, 2750 Science: ASTR, BIOL, CHEM, FRST, GEOL, NRSC, PHYS, AGSC Statistics: One of STAT 1200, STAT 2000, BIOL 3000, ECON 2320, or PSYC 2100	_____

The following sections CANNOT include the courses used for English and Scientific/Formal Reasoning above. Courses may be used in multiple sections (e.g. SPAN 1110: Breadth, Distribution, and Second Language)

Breadth Requirement

Min. of one 1000/2000 level courses from at least four different Arts disciplines (12 credits min): Anthropology, Archaeology, Chinese, Communications, Creative Writing, Economics, English, Film, First Nations Language, First Nations Studies, French, Geography, German, History, Indigenous Studies, Japanese, Journalism, Linguistics, Mathematics, Music, Philosophy, Political Studies, Psychology, Sociology, Spanish, Speech, Theatre, Visual Arts	_____

Distribution Requirement

Min. of one 1000/2000 level course from at least two of the following categories (6 credits min): Humanities: Chinese, Communications, Creative Writing, English Literature, First Nations Language, First Nations Studies, French, German, History, Japanese, Journalism, Linguistics, Modern Languages, Philosophy, Spanish, Speech Social Sciences: Anthropology, Archaeology, Economics, Geography, Indigenous Studies, Political Studies, Psychology, Sociology Creative & Performing Arts: Creative Writing, Film, Visual Arts, Music, Theatre	_____

Second Language Requirement (replace with electives if transcript shows Grade 12 language other than English)

6 credits of post-secondary language other than English (or electives)	_____

Writing Intensive Requirement

6 credits of designated 1000/2000 Writing Intensive courses (see Writing Intensive list in Academic Calendar)	_____

6 credits of designated 3000/4000 Writing Intensive courses (see Writing Intensive list in Academic Calendar)	_____

Outside Arts and Science (max 12 credits if taken, NOT required)

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*NEW Institutional Learning Outcomes (ILO) Requirements – your [Degree Works Program Plan](#) is available through [myTRU](#)

Bachelor Of Arts Degree – MATHEMATICS MAJOR Checksheet (120 credits)

1000-level or higher (max 42 credits)			2000/3000/4000 level (30 credits)			3000/4000 level (min. 48 credits)		
	COURSE	GRADE		COURSE	GRADE		COURSE	GRADE
ENGL 1100 – Intro to University Writing		_____	MATH 2110 – Calculus 3		_____	3000/4000 level MATH (21 credits)		
ENGL 1110 or 1210		_____	MATH 2120 – Linear Algebra 1		_____	MATH 3070 or 3220	_____	_____
MATH 1140 – Calculus 1 (SFR)		_____	MATH 2200 – Introduction to Analysis***		_____	MATH 3000 or 3200	_____	_____
MATH 1240 – Calculus 2 (SFR)		_____	MATH 2700 – Discrete Mathematics 2		_____	MATH 3000/4000 level	_____	_____
MATH 1220 or 1700		_____	STAT 2000 – Probability & Statistics		_____	MATH 3000/4000 level	_____	_____
2 nd Language or Elective		_____	ENGL 2000 level elective		_____	MATH 3000/4000 level	_____	_____
2 nd Language or Elective		_____	Minor or Elective*		_____	MATH 3000/4000 level	_____	_____
COMP 1130 – Computer Programming 1		_____	Minor or Elective*		_____	MATH 3000/4000 level	_____	_____
COMP 1230 – Computer Programming 2 **		_____	Elective		_____	3000/4000 level COMP, MATH, or STAT (9 credits)		
Minor or Elective*		_____	Elective		_____	(No more than 6 of these 9 credits in COMP) ****		
Minor or Elective*		_____	General Electives: Institutional Learning Outcomes (ILOs) may be required to graduate. Refer to the Degree Works website for more information. Arts Program Advisors Please contact the Arts Program Advisors (at ArtsAdvising@tru.ca) for assistance with your course planning after 54 credits . BA Honours in Mathematics Requires completion of 126 credits and an overall GPA of 3.0. Honours program in Mathematics requires all of: MATH 3000, 3070, 3200 & 3220 plus MATH 4950 (Honours Thesis).		_____	COMP/MATH/STAT (3000/4000 level)	_____	_____
Elective		_____			_____	COMP/MATH/STAT (3000/4000 level)	_____	_____
Elective		_____			_____	COMP/MATH/STAT (3000/4000 level)	_____	_____
Elective		_____			_____	3000/4000 level Electives (18 credits)		
		_____			_____	Elective or Minor (3000/4000 level)	_____	_____
NOTES: * MINORS are optional. Please refer to the Academic Calendar for Minor requirements. ** COMP 1230 is required for further studies in Computing Science. *** MATH 2200 can be delayed to 3 rd year **** Students interested in pursuing computing science 3000 or 4000 level courses must complete COMP 1130, 1230, 2130 and 2230.				_____	Elective or Minor (3000/4000 level)	_____	_____	
				_____	Elective or Minor (3000/4000 level)	_____	_____	
				_____	Elective or Minor (3000/4000 level)	_____	_____	
				_____	Elective or Minor (3000/4000 level)	_____	_____	
				_____	Elective or Minor (3000/4000 level)	_____	_____	
				_____	NOTES:			

BACHELOR OF ARTS (MATH MAJOR) GRADUATION REQUIREMENTS:

1. Students may complete up to a Maximum of 42 credits at the 1000 level.
2. Students must complete a Minimum of 48 credits at 3000/4000 level.
3. A minimum of 30 credits numbered 3000 and above must be taken in MATH, STAT and/or COMP.

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 work load.
Resources: More about the program requirements in the [Academic Calendar](#). More about course prerequisites, co-requisites and course times in the [Course Schedule](#).

ARTS AND SCIENCE ELECTIVES

SECOND LANGUAGE	SCIENTIFIC & FORMAL REASONING	LIST A HUMANITIES	LIST B SOCIAL SCIENCES	LIST C CREATIVE/ PERFORMING ARTS
Chinese (CHIN) First Nation (FNLG) French (FRAN) German (GERM) Japanese (JAPA) Modern Languages (MLAN) Spanish (SPAN)	Agricultural Science (AGSC) Archaeology (ARCH) - 1110, 2010 Astronomy (ASTR) – All Biology (BIOL) – All Chemistry (CHEM) – All Computing (COMP) – All Forestry (FRST) – All Physical Geography (GEOG) – 1000, 2020, 2050, 2700, 2750 Geology (GEOL) – All Mathematics (MATH) – All Natural Resource Science (NRSC) – All Physics (PHYS) – All Statistics (STAT) – All	Communications (CMNS) Creative Writing (CRWR) English (ENGL) First Nations Studies (FNST) History (HIST) Linguistics (LING) Journalism (JOUR) Modern Languages (MLAN) Philosophy (PHIL) Speech (SPEE)	Anthropology (ANTH) Archaeology (ARCH) Economics (ECON) Geography (GEOG) Indigenous Studies (INDG) Political Studies (POLI) Psychology (PSYC) Sociology (SOCI)	Creative Writing (CRWR) Film (FILM) Music (MUSI) Theatre (THTR) Visual Arts (VISA)

OTHER ELECTIVES

Up to 12 credits of electives outside of Arts and Science are permitted in the Bachelor of Arts. e.g., Business, Tourism, Social Work, Physical Education, etc. Please check with an Academic Advisor if you would like to take an elective not listed above.

KEEP IN MIND

Institutional Learning Outcomes (ILOs):

May be required for your program. Using the **Degree Works** planning tool will help you identify which courses apply.

Degree Works Planning Tool:

More information is available through the [Degree Works website](#).