

### Interested in mathematics or statistics?

You can specialize in mathematics or statistics within either Camosun's flexible Arts & Science Studies program or the more structured Associate of Science Degree in General Science program.

### Interested in engineering?

Camosun's School of Arts & Science, through the Mathematics & Statistics department, offers an Engineering Transfer certificate program. Complete your first year of engineering at Camosun and be guaranteed entry into second-year engineering at the University of Victoria.

## Arts & Science Studies (ARTSCI)

The Arts & Science Studies program lets you work towards a credential while choosing the courses that interest you. When you complete 20 university transfer (UT) courses, of which at least 14 are from the School of Arts & Science (A&S), you will earn a Diploma in Arts & Science Studies.

If you are interested in concentrating your studies in mathematics or statistics, here are possible sequences of courses. You can follow this plan or design your own.

*Sequence 1: You have a recent B or higher in Pre-calculus 12 or Principles of Mathematics 12.*

Fall Year One	Winter Year One	Fall Year Two	Winter Year Two
COMP 132	MATH 101	MATH 220	MATH 226
ENGL 151, 161, 163 or 164	MATH 126	STAT 219	Four UT electives
MATH 100	PHYS 105 or 141	Two UT A&S electives	
MATH 125	STAT 218	UT elective	
PHYS 104 or 140	UT A&S elective		

*Sequence 2: Refresh your mathematics with MATH 115 in your first semester.*

Fall Year One	Winter Year One	Summer Year One	Fall Year Two	Winter Year Two
COMP 132	MATH 100	MATH 101	MATH 125	MATH 126
ENGL 151, 161, 163 or 164	PHYS 104 or 140	PHYS 105 or 141	MATH 220	MATH 226
MATH 115	Two UT A&S		Three UT	STAT 218
UT A&S elective	electives		electives	Two UT electives

## Associate of Science Degree (ADSCI)

Camosun offers a two-year Associate of Science Degree in General Science. To earn this provincial credential, your program must satisfy various mathematics, arts, English and science (including lab science) requirements.

If you are interested in concentrating your studies in mathematics or statistics, then this sequence of courses is one option that will satisfy the requirements of the Associate of Science Degree in General Science.

Fall Year One	Winter Year One	Fall Year Two	Winter Year Two
COMP 132	ENGL 161*	MATH 220	MATH 226
ENGL 151*	MATH 101	STAT 219	PHIL 212 or UT Arts non-English elective
MATH 100	MATH 126	PHIL 110 or UT Arts non-English elective	2 <sup>nd</sup> year UT Science elective
MATH 125	STAT 218	2 <sup>nd</sup> year UT Science non-Math elective	Two UT electives
PHYS 104 or 140	PHYS 105 or 141 or UT Science elective	UT Science elective	

\* Any two English courses chosen from ENGL 151, 161, 163 or 164 may be taken.

**Questions?** Please contact an academic advisor or one of the following individuals:  
 ARTSCI & ADSCI: Patrick Montgomery, Mathematics & Statistics Department Chair, 250-370-3502, montgomeryp@camosun.bc.ca  
 ENGTRC: George Ballinger, Engineering Transfer Program Leader, 250-370-3116, ballinger@camosun.bc.ca

## Engineering Transfer (First Year Engineering) (ENGTRC)

The School of Arts & Science at Camosun, through the Mathematics & Statistics department, offers a 10-month certificate program in Engineering Transfer. Completing all the program courses with a minimum GPA of 3.0 (C+) and a C in each course guarantees you admission into second-year Engineering at UVic. Choose one of biomedical, civil, computer, electrical, mechanical, or software engineering. If space in your first choice is limited, you will compete on an equal footing with UVic students, and if not admitted, you will be offered an alternate program.

The engineering transfer program consists of these various math, physics, chemistry, computer science, English and engineering courses.

Fall Year One (Lansdowne)	Winter Year One (Lansdowne)	Summer Year One (Interurban)
CHEM 120	ENGL 251	ENGR 175
COMP 132	MATH 101	ENGR 195
ENGL 151	MATH 251	
MATH 100	PHYS 141	
PHYS 140	STAT 218 or COMP 139*	

\* Students targeting the Bachelor of Software Engineering (BSEng) program at UVic take COMP 139. Students targeting the Bachelor of Engineering (BEng) program at UVic have a choice of taking STAT 218 or COMP 139. STAT 218 is recommended for civil engineering.

## Transferring to UVic?

The University of Victoria (UVic) offers major and honours programs leading to a Bachelor of Science (BSc) degree in mathematics, statistics or a combined program in mathematics & statistics. At Camosun, you can take most of the courses required for transferring into third year at UVic.

Here is a list of the courses that must be taken in order to complete the first two years of a BSc degree program in mathematics or statistics at UVic. Take these courses as part of your ARTSCI or ADSCI program and earn a credential before you transfer.

Fall Year One	Winter Year One	Fall Year Two	Winter Year Two
COMP 132	MATH 101	MATH 220	MATH 226
ENGL 151, 161, 163 or 164	MATH 126 <sup>1</sup>	STAT 219 <sup>2</sup>	Four UT electives
MATH 100	STAT 218	Three UT electives	
MATH 125	Two UT electives <sup>3</sup>		
UT elective <sup>3</sup>			

- MATH 126 is not required for Statistics (major) but is required for Statistics (honours) as well as Mathematics (major and honours) and Mathematics & Statistics (major and honours).
- STAT 219 is recommended but not required for Mathematics (major and honours) but it is required for Mathematics & Statistics (major and honours) and Statistics (major and honours).
- PHYS 140 & 141 or PHYS 104 & 105 are recommended electives for Mathematics (major and honours).

### Additional Notes

The following additional 2nd year courses must be taken at UVic for each program identified by a checkmark ✓.

	UVic MATH 248	UVic MATH 236	UVic MATH 212	UVic MATH 222
Mathematics (major and honours)	✓	✓	✓	✓
Mathematics & Statistics (major and honours)	✓	✓	✓	—
Statistics (honours)	✓	✓	✓	—
Statistics (major)	✓	—	—	—

UVic has the following requirements for their Bachelor's degrees:

- You must take at least two courses from each of two departments other than Mathematics & Statistics among your first 10 courses (Year One).
- You must take at least two courses from one department other than Mathematics & Statistics among your next 10 courses (Year Two).

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