Minor in Data Science Module

This is a guide only. For complete information, see the online Academic Calendar

Last updated: March 14th, 2022

Admission Requirements

- Complete first year (5.0 coursers) with no failures.
- Minimum average of 60% on 2.5 principal courses with no mark less than 60% **in any of the 2.5 principal courses**

Graduation Requirements

A minor must be combined with another module at Western (typically Major or Honours Specialization). The graduation requirements for the main degree therefore need to be met to be able to graduate with the Minor in Data Science.

Graduation Requirements (cont.)

Average Requirements:
- Minimum cumulative overall average of 60%
- Minimum modular average of 60%
- Passing grade (>50%) in each course

Residency Requirement:
- The majority of your modular courses must be completed at Western. Please check academic calendar for other residency requirements.

Typical stream

	A. Fall term (September to December)	B. Winter term (January to April)
First Year	CA 1000: Calculus I[1]	CA 1501: Calculus II[4]
	MA 1600: Linear Algebra I[2]	CS 1027: CS Fundamentals II
	CS 1026: CS Fundamentals I[3]	
Second Year	SS 2857: Probability and Statistics I	DS 2000: Intro to Data Science
	CS 2210: Data Structures and Algorithms	SS 2864: Statistical Programming
	CS 2211: Systems Programming	Introductory Statistics course[5]
Third Year	DS 3000: Intro to Machine Learning	
	CS 3319: Databases I	
	SS 3859: Regression[6]	

Legend:
- Required first year principal courses
- Modular course (4.5 courses)
- Electives or other modules

Fourth year:

Any modular course not yet completed

Common course policy:

- No more than half the required courses for the minor are allowed to be required for the main degree (Major/ HSp).
- The first 1.0 courses can be counted for both modules without restriction.
- Any required course beyond the 1.0 needs to be replaced with a suitable replacement course. Please consult with the undergraduate program chair.
- Please check with faculty counsellors to review all other requirements.

Additional Notes:

1. or Calculus 1500A/B
2. or Numerical and Mathematical methods 1411
2. or Data Science 1200A/B
3. or Calculus 1301A/B with a mark of >85%
5. SS2858, SS2035, SS2141, SS2134, SS2244, Bio2244, Econ2222, MOS 2242, Psych2810
6. or SS 3869