Minor in Mathematical Science

You may count up to 2.50 credits towards both your Major and Minor programs.

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(1)   **Calculus I (F)**
One of MATH*1080, MATH*1200, or IPS*1500

(2)   **Calculus II (W)**
One of MATH*1090, MATH*1210, or IPS*1510

(3)   **Linear Algebra (F/W)**
MATH*1160 (ENGG*1500 accepted if taken as part of a major program)

(4)   **Statistics I (F/W/S)**
STAT*2040 (STAT*2080, STAT*2120, STAT*2060, or STAT*2230 accepted if taken as part of a major program)

(5)   **Introduction to Programming (F/W)**
CIS*1500 or CIS*1300

(6-8) **1.50 credits in 2000+ Mathematics, Statistics or CIS, for example:**

MATH*2210: Advanced Calculus II (W)	needs #5
MATH*2130: Numerical Methods (W)	needs #2
MATH*2270: Differential Equations I (F)	needs #2
STAT*2050: Statistics II (F/W)	needs #4

(9-10) **1.00 credits in 3000+ Mathematics, Statistics or CIS, for example:**

MATH*3100: Differential Equations II (W)	needs MATH*1160 + 2270
MATH*3510: Biomathematics (W)	needs MATH*1160 + 2270
MATH*3260: Complex Analysis (W)	needs MATH*2200
MATH*3160: Linear Algebra II (W)	needs MATH*1160
STAT*3100: Intro. Mathematical Statistics I (F)	needs #2 + 4
STAT*3110: Intro. Mathematical Statistics II (W)	needs STAT*3100
STAT*3510: Environmental Risk Assessment (W)	needs STAT*2050
STAT*3210: Experimental Design (F-even)	needs STAT*2050

Some restrictions may apply. See the Undergraduate Calendar for specific details on this minor or speak with your Faculty Advisor.

UNIVERSITY of GUELPH   **MATHEMATICS & STATISTICS**

mathstat.uoguelph.ca