MATHEMATICS CONCENTRATION (SUPPLEMENTARY MINOR) (18 CREDITS)

Offered by: Mathematics and Statistics (Faculty of Science)
Degree: Bachelor of Arts
Program credit weight: 18

Program Description

This Minor concentration is open only to students registered in the Major Concentration Mathematics. Taken together, these two concentrations constitute a program equivalent to the Major in Mathematics offered by the Faculty of Science.

No course overlap between the Major Concentration Mathematics and the Supplementary Minor Concentration in Mathematics is permitted.

Note that according to the Faculty of Arts Multi-track System degree requirements, option C, students registered in the Supplementary Minor Concentration in Mathematics must also complete another minor concentration in a discipline other than Mathematics.

For more information about the Multi-track System options please refer to the Faculty of Arts regulations under "Faculty Degree Requirements", "About Program Requirements", and "Departmental Programs".

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Required Course (3 credits)

Expand allContract all

Course	Title	Credits
MATH 315	Ordinary Differential Equations.[1]	3

[1] Note: If MATH 315 Ordinary Differential Equations. has already been taken as part of the Major Concentration Mathematics, an additional 3-credit complementary course must be taken to replace it.

Complementary Courses (15 credits)

15 credits selected as follows:

3 credits from:

Expand allContract all

Course	Title	Credits
MATH 249	Honours Complex Variables.[1]	3
MATH 316	Complex Variables.[1]	3

[1] Note: If either of MATH 249 Honours Complex Variables. or MATH 316 Complex Variables. has been taken as part of the Major Concentration Mathematics, another 3-credit complementary course must be taken.

12 credits from:

Expand allContract all

Course	Title	Credits
MATH 204	Principles of Statistics 2.	3
MATH 308	Fundamentals of Statistical Learning.	3
MATH 317	Numerical Analysis.	3
MATH 318	Mathematical Logic.	3
MATH 319	Partial Differential Equations .	3
MATH 324	Statistics.	3
MATH 326	Nonlinear Dynamics and Chaos.	3
MATH 327	Matrix Numerical Analysis.	3
MATH 329	Theory of Interest.	3
MATH 335	Groups, Tilings and Algorithms.	3
MATH 338	History and Philosophy of Mathematics.	3
MATH 340	Discrete Mathematics.	3
MATH 346	Number Theory.	3
MATH 348	Euclidean Geometry.	3
MATH 352	Problem Seminar.	1
MATH 378	Nonlinear Optimization .	3
MATH 410	Majors Project.	3
MATH 417	Linear Optimization.	3
MATH 423	Applied Regression.	3
MATH 430	Mathematical Finance.	3
MATH 447	Introduction to Stochastic Processes.	3
MATH 463	Convex Optimization.	3
MATH 523	Generalized Linear Models.	4
MATH 524	Nonparametric Statistics.	4
MATH 525	Sampling Theory and Applications.	4