MATHEMATICS, MINOR

Why Take This Minor?

Mathematics helps one to think logically, to formulate complex problems in a well-defined manner, to critically analyze data, and to determine optimal solutions to real-world problems. All of these skills are transferrable to a wide variety of careers that make mathematicians highly sought after in the work force. Mathematics majors often pursue careers as actuaries, statisticians, financial analysts, and teachers, but they are also well-prepared to enter the workforce in a much wider range of career fields.

The minor in mathematics introduces students to the foundational courses in the field usually encountered during the first two years of study.

Required for Graduation

- Courses
    - 6
- Credits
    - 22-23

Requirements

Code	Title	Credits
MTH 120	Calculus I	4
MTH 121	Calculus II	4
Select three of the following:		11-12
MTH 222	Calculus III	
MTH 240	Linear Algebra	
MTH 302	Foundations of Mathematics	
MTH 322	Differential Equations	
One additional Mathematics course at 300-level or greater		3
Total Credits		**22-23**

Choices for Mathematics

Code	Title	Credits
MTH 302	Foundations of Mathematics	3
MTH 321	Real Analysis	3
MTH 322	Differential Equations	4
MTH 330	Modern Geometries	3
MTH 335	Graph Theory	3
MTH 341	Abstract Algebra	3
MTH 345	Combinatorics	3
MTH 360	Internship/Jrs	3
MTH 370	Selected Topics in Mathematics	3
MTH 371	Selected Topics in Mathematics	3
MTH 373	Selected Topics in Mathematics	3
MTH 405	History of Mathematics	3
MTH 410	Probability	3
MTH 411	Mathematical Statistics	3
MTH 421	Numerical Analysis	3
MTH 424	Complex Variables	2-3
MTH 425	Mathematical Modeling	3
MTH 430	Topology	3
MTH 444	Research in MTH I	1-3
MTH 445	Research in MTH II	1-3
MTH 450	Cooperative Educ	3
MTH 460	Internship I	3
MTH 470	Selected Topics in Mathematics	3
MTH 471	Selected Topics in Mathematics	3
MTH 473	Selected Topics in Mathematics	3

Recommended Course Sequence

- FRESH or SOPH Fall: MTH 120 Calculus I
- FRESH or SOPH Spring: MTH 121 Calculus II
- SOPH or JUNIOR Fall: MTH 222 Calculus III
- SOPH or JUNIOR Spring: MTH 302 Foundations of Mathematics or MTH 322 Differential Equations
- JUNIOR or SENIOR Fall: MTH 240 Linear Algebra
- JUNIOR or SENIOR Spring: MTH Elective

Course Descriptions

All course descriptions may be found in the main menu under Undergraduate > Courses: A-Z (https://catalog.lasalle.edu/undergraduate/courses-az/).