MATHEMATICS MINOR

Many majors at Loyola require a year of calculus; with the addition of just a few more courses you can earn a Mathematics Minor. Majors in biology, chemistry, economics, engineering and physics are especially encouraged to consider this option. The foundational training in mathematics offered by this minor will give students a deeper understanding of the theoretical underpinnings of their major discipline, and will equip them with critical thinking and technical communication skills that will prove invaluable in their pursuit of a STEM career.

Related Programs

Major

- Mathematics (BS) (https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/mathematics-bs/)
- Mathematics - Education Track (BS) (https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/mathematics-education-track-bs/)

Minor

- Statistics Minor (https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/statistics-minor/)

Curriculum

Code	Title	Hours
Required Courses		
MATH 161	Calculus I	4
MATH 162	Calculus II	4
MATH 263	Multivariable Calculus	4
Select one of the following three options:		6
MATH 212 & MATH 264	Linear Algebra and Ordinary Differential Equations	
MATH 201 & MATH 264	Introduction to Discrete Mathematics & Number Theory and Ordinary Differential Equations	
MATH 201 & MATH 266	Introduction to Discrete Mathematics & Number Theory and Differential Equations and Linear Algebra	
Any 300-level Mathematics course		3
Total Hours		**21**

Double-Dipping Policy

Per our double dipping policy (https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/#policiestext), at least 6 credit hours must be unique to this minor.

Learning Outcomes

- Students will acquire knowledge of and strong skills in using the methods and tools that form the foundation of math. These include calculus, linear algebra, and differential equations.
- Students will acquire analytical and logical skills that form the basis of mathematical thinking and reasoning. These skills will enable problem solving and abstraction in a variety of contexts.
- Students will be exposed to an advanced subject in mathematics or applied mathematics. They will be able to use the methods and terminology in this subject to analyze complex mathematical problems and gain proficiency in higher-level mathematical reasoning.