ACTUARIAL SCIENCE MINOR

The discipline of actuarial science deals with the mathematical and statistical analysis of risk, especially as it pertains to the insurance and finance industries. Students pursuing a Minor in Actuarial Science will gain the foundation necessary to prepare for the first two Society of Actuaries exams.

Related Programs

Major

- Applied Mathematics (BS) (https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/applied-mathematics-bs/)

Combined

- Data Science/Applied Statistics (BS/MS) (https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/data-science-applied-statistics-bs-ms/)
- Data Science/Mathematics (BS/MS) (https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/data-science-mathematics-bs-ms/)

Curriculum

Code	Title	Hours
Required Courses		
MATH 161	Calculus I	4
MATH 162	Calculus II	4
MATH 263	Multivariable Calculus	4
MATH 212	Linear Algebra	3
STAT 203	Introduction to Probability & Statistics	3
or STAT 335	Introduction to Biostatistics	
STAT 304	Introduction to Probability	3
STAT 305	Introduction to Mathematical Statistics	3
STAT 396	Actuarial Seminar I	1
Total Hours		**25**

Double-Dipping Policy

Per our double dipping policy, at least 6 credit hours must be unique to this minor.

Transfer-Student Residency Requirement

At least 13 credit hours of Actuarial Science Minor must be completed at Loyola

Learning Outcomes

- Students will understand the foundational mathematics used in the actuarial field including single and multivariable calculus as well as linear algebra.
- Students will learn foundational probability and statistics, enabling a solid understanding of actuarial principles and techniques.
- Students will be prepared for the first actuarial exam.