

ACTUARIAL SCIENCE, BSLAS

for the degree of Bachelor of Science in Liberal Arts and Sciences Major in Actuarial Science

program website: Actuarial Science (<https://math.illinois.edu/academics/actuarial-science>)
program faculty: Actuarial Science Faculty (<https://math.illinois.edu/research/faculty-research/actuarial-science>)
department website: <https://math.illinois.edu/>
overview of college admissions & requirements: Liberal Arts & Sciences (<http://catalog.illinois.edu/schools/las/academic-units>)
college website: <https://las.illinois.edu/>
email: mathadvising@illinois.edu

This major is sponsored by the Department of Mathematics, and is an interdisciplinary subject involving mathematics, statistics, and financial economics. It is designed to prepare students to enter the actuarial profession, as well as to provide a background in quantitative finance and risk management. See also Mathematics (<http://catalog.illinois.edu/undergraduate/las/mathematics-bslas>) and Mathematics and Computer Science (http://catalog.illinois.edu/undergraduate/eng_las/mathematics-computer-science-bslas).

for the degree of Bachelor of Science in Liberal Arts and Sciences Major in Actuarial Science

Departmental distinction: To qualify for distinction, the student must take ASRM 472 (formerly MATH 472), have a grade point average in mathematics courses of at least 3.25, and pass at least two examinations offered by the professional actuarial societies. To qualify for high or highest distinction, the student must have passed at least three professional exams, with highest distinction going to those whose grade point averages in mathematics are at least 3.75. Finance courses and additional professional exams may also be given consideration in close decisions.
General education: Students must complete the Campus General Education (<https://courses.illinois.edu>) **requirements including the campus general education language requirement.**
Minimum required major and supporting course work: normally equates to 57-59 hours including 29-30 hours of mathematics beyond calculus. Twelve hours of 300- or 400-level courses in the major must be taken on this campus.
Minimum hours required for graduation: 120 hours

Code	Title	Hours
Calculus through:		11-12
MATH 241	Calculus III (or equivalent)	
Select one of the following:		3
CS 101	Intro Computing: Engrg & Sci	
CS 105	Intro Computing: Non-Tech	
CS 125	Intro to Computer Science	
ASRM 210	Theory of Interest (formerly MATH 210)	3
ASRM 401	Actuarial Statistics I	4
	or MATH 466 Probability Theory	
ASRM 402	Actuarial Statistics II	4
ASRM 450	Methods of Applied Statistics	3 or 4

ASRM 406	Linear Algebra with Financial Applications (formerly MATH 410)	3 or 4
ASRM 471	Life Contingencies I (formerly MATH 471)	4
Select two of the following:		6
ASRM 472	Life Contingencies II (formerly MATH 472)	3
ASRM 410	Investments and Financial Markets (formerly MATH 476)	3
ASRM 461	Loss Models (formerly MATH 478)	3
ASRM 469	Casualty Actuarial Mathematics (formerly MATH 479)	3 or 4
A third course from the list above or an approved section of MATH 490 (e.g. financial mathematics)		3
FIN 221	Corporate Finance	3
FIN 300	Financial Markets	3
FIN 321	Advanced Corporate Finance	3
Select two of the following:		6
ECON 302	Inter Microeconomic Theory	
ECON 303	Inter Macroeconomic Theory	
FIN 230	Introduction to Insurance	
FIN 431	Property-Liability Insurance	
FIN 432	Managing Fin Risk for Insurers	
FIN 434	Employee Benefit Plans	