

Undergraduate Certificate in Actuarial Science

Actuarial Science is the study of risk. Actuaries are employed by insurance companies, financial institutions and other businesses to plan for financial stability and manage risk. This 12 credit undergraduate certificate will prepare students majoring in different programs to enter the actuarial field. The program requires four upper division courses from an approved list. Included are courses that prepare students for two actuarial exams and other courses that satisfy the Validation by Educational Experience requirements of the Society of Actuaries.

Students who are interested in pursuing this Undergraduate Certificate should email collegeundergrad@ku.edu to request the certificate be added to their academic record. Note students must declare their intent to earn the certificate prior to enrolling in the final course.

Code	Title	Hours
The Actuarial Science certificate requires completion of the following 12 hours:		
MATH 627	Probability	3
or MATH 727	Probability Theory	
MATH 630	Actuarial Mathematics	3
Choose two courses from this list:		6
MATH 526	Applied Mathematical Statistics I	
MATH 628	Mathematical Theory of Statistics	
MATH 728	Statistical Theory	
MATH 611	Time Series Analysis	
ECON 526	Introduction to Econometrics	
ECON 715	Elementary Econometrics	
FIN 310	Finance	
or FIN 311	Finance, Honors	
Total Hours		12

At the completion of this program, students will be able to:

- Employ advanced probability theory in solving problems.
- Model actuarial or financial situations using mathematics and statistics.
- Communicate effectively in the practice of actuarial mathematics.