

ACTUARIAL SCIENCE (BS)

Actuaries build mathematical models to account for the many risk factors organizations must consider when building strategy. Financial, logistical, and business risks all have to be carefully weighed against each other, and actuaries help paint a picture of the road ahead with numbers and statistics. As well as working for insurance companies, actuaries work for consulting firms, government agencies, accounting firms, industrial businesses, banks, and financial institutions.

The major provides a strong math foundation coupled with robust actuarial science courses.

General Education Requirements

All degree seeking undergraduate students must complete the general education (<http://catalog.csp.edu/undergraduate/academic-information/general-education-requirements/>) requirements.

Degree Requirements

Bachelor of Science (<http://catalog.csp.edu/undergraduate/academic-information/graduation-requirements/#bs>) degree consists of a major of typically 30 to 60 credits, general education courses, and elective courses totaling a minimum of 120 credits.

Code	Title	Credits
MAT 135	Calculus I	4
ECO 103	Macroeconomics	3
MAT 146	Calculus II	4
ECO 104	Microeconomics	3
MAT 110	Introduction to Probability and Statistics	3
ACC 201	Principles of Financial Accounting	4
ACC 202	Principles of Managerial Accounting	4
MATX 333 or MAT 333	Mathematical Theory of Interest Financial Mathematics	3
DATX 105	Foundations of Data Analytics I	3
MAT 255	Calculus III	4
MAT 330	Advanced Probability and Statistics	4
DATX 115	Foundations of Data Analytics II	3
CSC 115	Introduction to Python	4
FIN 301	Corporate Finance I	4
MATX 383	Probability for Actuaries	3
MAT 375	Differential Equations and Linear Algebra	4
MATX 483	Actuarial Science and Risk Management with R	3
Total Credits		60