

**BA - MATHEMATICS-Actuarial Concentration (0499)**  
**(Suggested Eight-Semester Sequence)**

**First Semester**

CSCI130 Principles in Programming I (3)  
ENGL101 College Writing Skills (3)  
MATH211 Analytic Geom. & Calculus I (4)  
Core (3)  
Core (3)  
TOTAL 16 sem. hrs.

**Second Semester**

ENGL102 Specialized College Writing and Research Skills (3)  
MATH212 Analytic Geom. & Calculus II (4)  
Core (6)  
Core (3)  
TOTAL 16 sem. hrs.

**Third Semester**

ACCT215 Accounting I (3)  
ECON225 Principles of Economics: Macro. (3)  
MATH270 Discrete Mathematics I (3)  
MATH311 Analytic Geom. & Calculus III (4)  
Free Elective (3)  
TOTAL 16 sem. hrs.

**Fourth Semester**

ACCT220 Accounting II (3)  
ECON220 Principles of Economics: Micro. (3)  
MATH275 Linear Algebra I (3)  
Core (3)  
Distribution (3)  
TOTAL 15 sem. hrs.

**Fifth Semester**

FIN300 Principles of Finance (3)  
MATH350 Mathematical Probability & Statistics (3)  
Core (3)  
MATH411 Intro To Analysis  
Distribution (3)  
TOTAL 15 sem. hrs.

**Sixth Semester**

MATH360 Statistical Inference (3)  
MATH380 Introduction to Actuarial Science (2)  
Math Elective\* (3)  
Free Elective (6)  
TOTAL 14 sem. hrs.

**Seventh Semester**

MATH480 Mathematics Seminar (1)  
Math Elective\* (3)  
Free Electives (9)  
TOTAL 13 sem. hrs.

**Eighth Semester**

Math Electives\* (3)

Free Electives (12)

TOTAL 15 sem. hrs.

\* Math Electives – Choose from the following: MATH317, MATH318, MATH475, MATH411, MATH385, MATH510, or ECON420.

(Revised: March 2005; Approved November 2005)  
(Effective: Spring 2006; Printed: June 2012)