

**ACTUARIAL SCIENCE GENERAL
CURRICULUM SEQUENCE**



Freshman Year (First Semester)

ENGL 101	Freshman Composition I EC	3
XXXX	SB General Education	3
ACSC 130	Introduction to Actuarial Science	2
INSS 141	Digital Literacy and App Software	
(COSC 150)	Computational Science and Data Analysis	3
MATH 241	Calculus I MQ*	4
ACSC 105	Act. Science Professional Devt Seminar	0
ORNS 106	Freshman Orientation for SCMNS Majors	1
TOTAL		16

Freshman Year (Second Semester)

ENGL 102	Freshman Composition II EC	3
PHIL 109	Introduction to Critical Thinking CT	3
ACCT 201	Principles of Accounting I	3
MATH 242	Calculus II	4
ACSC 106	Act. Science Professional Devt Seminar	0
XXXX	HH General Education Req.	3
TOTAL		16

Sophomore Year (Third Semester)

MATH 243	Calculus III	4
ACCT 202	Principles of Accounting II	3
XXXX	Complementary Studies Elective	3
ACSC 205	Act. Science Professional Devt Seminar	0
ECON 211	Principles of Economics I SB*	3
MATH 340	Introduction to Differential Equations	3
TOTAL		16

Sophomore Year (Fourth Semester)

MATH 331	Applied Probability and Statistics	3
ACSC 206	Act. Science Professional Devt Seminar	0
ACSC 346	Financial Mathematics	4
ECON 212	Principles of Economics II	3
MATH 312	Linear Algebra I	3
	Problem Solving Techniques and	
ACSC 433	Applications in Probability	2
TOTAL		15

Junior Year (Fifth Semester)

FIN 343	Managerial Finance	3
XXXX	BP General Education Req with Lab	4
ACSC 305	Act. Science Professional Devt Seminar	1
MATH 431	Mathematical Theory of Statistics I	3
	Applied Regression, Correlation, and	
MATH 333	Time Series Analysis	3
	PHYS. ED.or FIN 101 or MIND 101	
XXXX	or DSVG 101	1
TOTAL		15

Junior Year (Sixth Semester)

MATH 432	Mathematical Theory of Statistics II	3
XXXX	BP General Education Req. no Lab	3
MGBU 361	Fundamentals of Risk Management	3
ACSC 306	Act. Science Professional Devt Seminar	1
XXXX	AH General Education Req.	3
MATH 337	Nonparametric Statistical Methods	3
TOTAL		16

Senior Year (Seventh Semester)

FIN 344	Security Analysis	3
MATH 363	Actuarial and Stochastic Modeling I	3
HIST 350	Introduction to the African Diaspora (CI)	3
ACSC 405	Act. Science Professional Devt Seminar	1
XXXX	Complementary Studies	3
SCMNS TOTAL		13

Senior Year (Eighth Semester)

MGBU 362	Life and Health Insurance	3
MATH 450	Senior Seminar	3
MATH 364	Actuarial and Stochastic Modeling II	3
ACSC 406	Act. Science Professional Devt Seminar	1
XXXX	AH General Education Req.	3
SCMNS TOTAL		13

TOTAL CREDITS 120