

Actuarial Science (B.B.A.) Degree Plan

This document is a suggested four-year schedule of courses based on degree requirements for the current catalog. This guide is not a substitute for academic advisement. Also see the Undergraduate Catalog for a complete list of requirements and electives from which to choose.

First Year

Fall Term		Hours	Spring Term		Hours
ENGL 1101	English Composition I	3	ENGL 1102	English Composition II	3
MATH 1113	Pre-calculus	3	PHIL 1010	Critical Thinking	2
SPCH 1000	Human Communication	2	MATH 2211	Calculus I	3
GSU 1010	New Student Orientation	1	POLS 1101	Introduction to American Government	3
ECON 2105	Principals of Macroeconomics (RCB Area F)	3	ECON 2106	Principals of Microeconomics (RCB Area F)	3
BUSA 2106	Legal Environment of Business (RCB Area F)	3			
		Total			14
		15			

Milestones

Complete Area A requirements • Begin Area F courses (minimum 2.8 GPA required for the Area) • Meet with Academic Advisor in the University Advisement Center • Attend the major fair and declare a major

Second Year

Fall Term		Hours	Spring Term		Hours
ACCT 2101	Principals of Accounting I (RCB Area F)	3	ACCT 2102	Principals of Accounting II (RCB Area F)	3
CIS 2010	Introduction to Computer based Information Systems (RCB Area F)	3	HIST 2110	Survey of United State History	3
MATH 2212	Calculus II	4	MATH 2215	Multivariate Calculus	4
	Natural Science Elective (Area D)	4		Natural Science Elective (Area D)	4
	Word History & Politics Elective (Area E)	3		Social Science Elective (Area E)	3
		Total			17
		17			17

Milestones

Complete Area F courses with a minimum GPA of 2.8 • Complete all core courses • Meet with Academic Advisor in the University Advisement Center

Third Year

Fall Term		Hours	Spring Term		Hours
BCOM 3950	Business Communication and Professional Development	3	RMI 4035	Financial Risk Regulation	3
FI 3300	Corporate Finance	3	MATH 4752	Mathematical Statistics II or Econometrics	3
MATH 4751	Mathematical Statistics I	3	FI 4000	Fundamentals of Valuation	6
AS 4140	Mathematical Foundations of Actuarial Science	3	MK 3010	Marketing Management	3
BUSA 3000	Globalization and Business Practices	3			
		Total			15
		15			15

Milestones

Meet with Academic Advisor in the University Advisement Center • Register with the RCB Career Management Center *Take SoA exam in May

Fourth Year

Fall Term		Hours	Spring Term		Hours
AS 4320	Intro to Stochastic Actuarial Models	3	BUSA 4980	Strategic Management	3
AS 4340	Life Contingencies I	3	BUSA 4990	Exit Exam	0
AS 4230	Theory of Interest	3	AS 4350	Life Contingencies II	3
MGS 3400	Managing People & Organizations	3	AS 4360	P & C Catastrophe Modeling/Ratemaking	3
	Humanities and Fine Arts Elective (Area C)	3		Humanities and Fine Arts Elective (Area C)	3
		Total			12
		15			12

Milestones

Apply for graduation • Meet your Robinson College of Business Academic Advisor for graduation check out and remaining degree requirements*
Take SoA exam in November

**B.B.A. Program of Study Worksheet
Major in Actuarial Science**

Lower Division Coursework

Area A: Written Communication/Mathematics (9 hours)		Satisfied (v)
ENGL 1101	English Composition I	
ENGL 1102	English Composition II	
MATH 1113 (or higher)	Pre-calculus	

Area B: Institutional Foundations (4 hours)		Satisfied (v)
PHIL 1010	Critical Thinking	
SPCH 1000	Human Communication	
PERS 2001	Perspectives on Comparative Culture	
PERS 2002	Scientific Perspectives on Global Problems	

Area C: Humanities and Fine Arts (6 hours)		Satisfied (v)
<i>Courses must be from two of the following three areas</i>		
Humanities Course:		
Fine Arts Course:		
Foreign Language Course:		

Area D: Natural and Computational Sciences (11 hours)		Satisfied (v)
<i>Two lab science courses must be taken in sequence</i>		
Natural Science Course:		
Natural Science Course:		
MATH 2211	Calculus I	

Area E: Social Sciences (12 hours)		Satisfied (v)
POLS 1101	Introduction to American Government	
HIST 2110	Survey of United States History	
World History and Politics Course:		
Social Science Course:		

Area F: Business Foundation (18 hours)		Satisfied (v)
ACCT 2101	Principals of Accounting I	
ACCT 2102	Principals of Accounting II	
BUSA 2106	Legal Environment of Business	
CIS 2010	Introduction to Computer based Information Systems	

ECON 2105	Principles of Macroeconomics	
ECON 2106	Principles of Microeconomics	

Upper Division Coursework

3000-level Business Core (18 hours)		Satisfied (v)
BCOM 3950	Business Communication and Professional Development	
BUSA 3000	Globalization and Business Practice	
FI 3300	Corporation Finance	
MATH 4751	Mathematical Statistics	
MGS 3400	Managing People in Organizations	
MK 3010	Marketing Management	

3000 and 4000-level Major Courses (21 hours)		Satisfied (v)
AS 4140	Probability Statistics	
AS 4230	Theory of Interest	
AS 4340	Life Contingencies I	
FI 4000	Fundamentals of Valuation	
AS 4320	Intro to Stochastic Models	
AS 4350	Life Contingencies II	

3000 and 4000-level RCB Electives (6 hours)		Satisfied (v)
AS 4360	P & C Cat Model/Ratemaking	
RMI 4035	Financial Risk Regulation	

3000 and 4000-level General Electives (9 hours)		Satisfied (v)
Math 2212	Calculus II	
Math 2215	Multivariate Calculus	
Math 4752 or ECON 4950	Mathematical Statistics or Econometrics	

Strategic Management (3 hours)		Satisfied (v)
BUSA 4980	Strategic Management	
BUSA 4990	Exit Exam	