

B.S. in Actuarial Science (Comprehensive Major)
 Four Year Curriculum Guide (Odd Years)
 Department of Mathematics and Computer Science

Year 1 Fall Semester			Year 1 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 205	Calculus I (fall only) (Core 1)	5	MATH 206	Calculus II (spring only)	5
ACCT 201	Financial Accounting	3	ENG 102	Composition II (Core 4)	3
ENG 101	Composition I (Core 2)	3	CORE	Institutional Requirement (Core 5)	3
CORE	Institutional Requirement (Core 3)	3	CORE	Institutional Requirement (Core 6)	3
	TOTAL	14		TOTAL	14

Year 2 Fall Semester			Year 2 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 223	Discrete Mathematics I (fall only)	3	MIS 221	Information Technology	3
MATH 305	Calculus III (fall only)	4	MATH 250	Mathematical Proof (spring only)	1
FIN 228	Financial Management	3	MATH 307	Linear Algebra (spring only)	3
CORE	Institutional Requirement (Core 7)	3	MATH 320	Financial Mathematics (spring odd)	3
GENERAL	General Elective (1)	3	FIN 329	Intermediate Financial Management	3
			CORE/CCI	Institutional Requirement (Core 8)	3
	TOTAL	16		TOTAL	16

Year 3 Fall Semester			Year 3 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 317	Probability (fall odd)	3	MATH 230	Mathematical Modeling (spring even)	3
ECON 232	Principles of Microeconomics	3	MATH 318	Mathematical Statistics (spring even)	3
MIS 370	Programming for Business I (fall odd)	3	ECON 233	Principles of Macroeconomics	3
CORE	Institutional Requirement (Core 9)	3	CORE	Institutional Requirement (Core 11)	3
CORE	Institutional Requirement (Core 10)	3	CORE	Institutional Requirement (Core 12)	3
	TOTAL	15		TOTAL	15

Year 4 Fall Semester			Year 4 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 341	Applied Regression Analysis (fall even)	3	MATH 450	Seminar (spring only)	1
FIN 330	Principles of Investment	3	CORE	Institutional Requirement (Core 15)	3
CORE	Institutional Requirement (Core 13)	3	GENERAL	General Elective (3)	3
CORE	Institutional Requirement (Core 14)	3	GENERAL	General Elective (4)	3
GENERAL	General Elective (2)	3	GENERAL	General Elective (5)	3
			GENERAL	General Elective (6)	2
	TOTAL	15		TOTAL	15

120 hours

Revised: August 2024

B.S. in Actuarial Science (Comprehensive Major)
 Four Year Curriculum Guide (Even Years)
 Department of Mathematics and Computer Science

Year 1 Fall Semester			Year 1 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 205	Calculus I (fall only) (Core 1)	5	MATH 206	Calculus II (spring only)	5
MATH 223	Discrete Mathematics I (fall only)	3	MATH 250	Mathematical Proof (spring only)	1
ENG 101	Composition I (Core 2)	3	ENG 102	Composition II (Core 4)	3
CORE	Institutional Requirement (Core 3)	3	CORE	Institutional Requirement (Core 5)	3
			CORE	Institutional Requirement (Core 6)	3
	TOTAL	14		TOTAL	15

Year 2 Fall Semester			Year 2 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 305	Calculus III (fall only)	4	MATH 230	Mathematical Modeling (spring even)	3
MATH 317	Probability (fall odd)	3	MATH 307	Linear Algebra (spring only)	3
ACCT 201	Financial Accounting	3	MATH 318	Mathematical Statistics (spring even)	3
CORE	Institutional Requirement (Core 7)	3	ECON 232	Principles of Microeconomics	3
GENERAL	General Elective (1)	3	CORE	Institutional Requirement (Core 8)	3
	TOTAL	16		TOTAL	15

Year 3 Fall Semester			Year 3 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 341	Applied Regression Analysis (fall even)	3	MATH 320	Financial Mathematics (spring odd)	3
ECON 233	Principles of Macroeconomics	3	FIN 329	Intermediate Financial Management	3
FIN 228	Financial Management	3	MIS 221	Information Technology	3
CORE	Institutional Requirement (Core 9)	3	CORE	Institutional Requirement (Core 11)	3
CORE	Institutional Requirement (Core 10)	3	CORE	Institutional Requirement (Core 12)	3
	TOTAL	15		TOTAL	15

Year 4 Fall Semester			Year 4 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
FIN 330	Principles of Investment	3	MATH 450	Seminar (spring only)	1
MIS 370	Programming for Business I (fall odd)	3	CORE	Institutional Requirement (Core 15)	3
CORE	Institutional Requirement (Core 13)	3	GENERAL	General Elective (3)	3
CORE	Institutional Requirement (Core 14)	3	GENERAL	General Elective (4)	3
GENERAL	General Elective (2)	3	GENERAL	General Elective (5)	3
			GENERAL	General Elective (6)	2
	TOTAL	15		TOTAL	15

120 hours

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