

Degree Program for Bachelor of Science in Actuarial Sciences
Catalog Requirements for 2015/2016 Academic Year (Expires summer 2022)

Name _____ Student ID # **G00** _____ Date _____

The B.S. in Actuarial Sciences degree is conferred by the College of Arts & Sciences (CAS). Students should meet with advisers in the SBA and in the CAS to ensure they will meet all degree requirements. CAS is located in 221 VAR, 248-370-4567.

Students must earn a 2.0 or better in each of the checked (✓) courses.

		Course	Grade	Transfer	Need
FOUNDATION KNOWLEDGE AREAS	✓ WRT 150 Composition I				
	✓ WRT 160 Composition II				
	Writing Intensive General Education	Fulfilled by WRT 382/ECN 326			
	Writing Intensive Major Course	Fulfilled by ECN 405/STA 402			
	Formal Reasoning	Fulfilled by STA 226/MTH 154			
EXPLORATIONS KNOWLEDGE AREAS	Arts				
	Foreign Language & Culture				
	Global Perspective	Fulfilled by ECN160/ECN 202*/ECN326			
	Literature				
	Natural Science & Technology				
	Social Science	Fulfilled by ECN 200/ECN 201/ECN 202*			
	Western Civilization				
INTEGRATION KNOWLEDGE AREAS	Knowledge Applications	Fulfilled by QMM 241/WRT 382			
	Capstone Experience	Fulfilled by ACS 450			
DIVERSITY	U.S. Diversity Course- <i>Use a course from Explorations Knowledge Areas</i>				
MATHEMATICS & STATISTICS REQUIREMENTS	MTH 061and/or MTH 062 (if necessary)				
	✓ MTH 141 Pre-calculus (if necessary) – (4)				
	✓ MTH 154 Calculus I – (4)				
	✓ MTH 155 Calculus II – (4)				
	✓ MTH 254 Multivariable Calculus - (4)				
	SBC 199 <input type="checkbox"/> ✓ MTH 275 Linear Algebra - (4)				
	✓ STA 226 Applied Probability and Statistics - (4)				
	SBC 299 <input type="checkbox"/> ✓ STA 427 Introduction to Mathematical Statistics I - (4)				
	✓ QMM 241 Statistical Methods for Business II- (3)				
	✓ Choose one: APM 255, APM 433, APM 434, STA 425, or STA 428 – (4) (recommend STA 428)				
ECONOMICS REQUIREMENTS	✓ ECN 202* Global Macroeconomics – (4) Or ECN 200 Macroeconomics– (4)	or ECN 210 6 crs.			
	✓ ECN 201 Microeconomics – (4)				
	✓ ECN 302 Intermediate Macroeconomics - (3) Or ECN 321 – (3)				
	✓ ECN 303 Managerial Economics- (3)				
	✓ ECN 405 Econometrics- (3) Or STA 402 Applied Linear Models I - (4)				
	✓ ACS 450 Financial Mathematics- (3)				
FINANCE REQUIREMENTS	✓ FIN 322 Managerial Finance I – (4)				
	✓ FIN 416 Investment Analysis – (3) Or FIN 425 Financial Derivatives- (3)				
	✓ FIN 422 Managerial Finance II – (3)				
COGNATES	✓ ACC 200 Introductory Financial Accounting – (4)				
	✓ ACC 301 Financial Report and Analysis – (3)				
	✓ EGR 141 Computer Problem Solving in Engr. & Comp. Sci. – (4)				
	✓ WRT 382 Business Writing – (4)				
College Exploratory 12 Credits See College Exploratory Requirement in 2015/16 Undergraduate Catalog.	12 credits in rubric (not MTH or STA) from CAS and not used for General Education Exploratory requirements. ECN is simplest to fulfill. See CAS Adviser for requirements.				

* ECN 202 – May be used to satisfy Global Perspectives or Social Science Gen Ed requirement, not both.

124 credits – minimum required for degree