



# Actuarial Science Major

For students entering Fall,  
2017 or later

Aliber 208 (515) 271-3142  
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Revised  
November 10, 2017

Name \_\_\_\_\_

Student ID \_\_\_\_\_

### I. Basic Graduation Requirements

124 - Total Credit Hours	<input type="text"/>
42 - 100-Level or Above Credit Hours	<input type="text"/>
2.0 or Above - Cumulative GPA*	<input type="text"/>
2.0 or Above - Business 100-Level Course GPA	<input type="text"/>
Graduation Petition	<input type="text"/>
Graduation Application	<input type="text"/>

\* GPA Established After Enrolling As A CBPA Student

### II. Areas of Inquiry (Drake Curriculum)

	Course	Credit	Grade
First-Year Seminar		3	
Critical Thinking	ACCT 041	3	√
Written Communication		3	
Information Literacy	STAT 170	3	√
Historical Foundations		3	
Historical Foundations		3	
Global and Cultural Understanding	BUS 070	3	√
Values and Ethics	BLAW 060	3	√
Artistic Experience		3	
** Physical Science		3 or 4	
** Life Science		3 or 4	
Quantitative Literacy	MATH 050 or higher	4	√
Engaged Citizen		3	
Senior Capstone	BUS 195	3	√

\*\*One science course must include a lab

### III. Non-CBPA/Non-AOI Requirement (9 credits)

	Course	Credits	Grade
	Course		
	Course		
	Course		
	Course		
	Total Credits:	9	

### IV. Business Core Requirements (39 Credits)

	Credit	Grade
The Business Profession Sequence (Every Semester)	0	
ACCT 041 - Introduction to Financial Accounting	3	
ACCT 042 - Introduction to Managerial Accounting	3	
ECON 002 - Principles of Microeconomics	3	
IS 044 - Microsoft Office Tools for Business Analysis	3	
BLAW 060 - Business Law I	3	
BUS 070 - Globalization	3	
BUS 073 - Professional Verbal Communication	2	
BUS 074 - Professional Written Communication	2	
IS 084 - Business Data and Knowledge Management	2	
FIN 101 - Corporate Finance	3	
MGMT 110 - Organizational Behavior	3	
MGMT 120 - Management of Operations	3	
MKTG 101 - Marketing Principles	3	
BUS 195 - Business Strategy and Policy	3	

### V. Actuarial Science Major (49 Credits)

	Credit	Grade
MATH 050 - Calculus I	4	
MATH 070 - Calculus II	4	
MATH 100 - Calculus III	4	
ECON 010 - Principles of Macroeconomics	3	
ACTS 050 - Introduction to Actuarial Science	0	
ACTS 120/120L - Theory of Interest and Lab	3.5	
ACTS 121 - Introduction to Derivatives	3	
ACTS 131/131L - Introduction to Probability and Lab	3.5	
ACTS 135 - Statistic Modeling/Data Analysis I	3	
ACTS 161 - Introduction to Probability II	3	
ACTS 150 - Life Insurance Math I	3	
ACTS 190 - Actuarial Science Capstone	3	
FIN 102 - Advanced Corporate Finance	3	
STAT 040 - Introduction to R and SAS	3	
STAT 170 - Statistic Modeling/Data Analysis II	3	
Choose one:		
ACTS 155; ACTS 165; or STAT 172	3	