



The actuarial science program strives to provide high quality undergraduate-level preparation for students planning careers in the actuarial profession. Students will be prepared to be business leaders in the financial services industry as well as be thoroughly grounded in the technical skills required for actuarial work. This is a STEM-related major.

For students entering Fall 2024 or later

Revised September 25, 2024

Name \_\_\_\_\_

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

I. Basic Graduation Requirements	
120 - Total Credit Hours	<input type="text"/>
42 - 100-Level (all University) 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 Planning (discuss with advising specialist)	<input type="text"/>
<b>Due 18 months prior to graduation</b>	
Graduation Application - Online In Self Service	<input type="text"/>

II. Drake Curriculum - Areas of Inquiry (AOIs)			
	Course	Credit	Grade
First-Year Seminar		3	
Written Communication		3	
Information Literacy	STAT 170	3	√
Historical Foundations		3	
Global and Cultural Understanding	BUS 070	3	√
Values and Ethics	BLAW 060	3	√
Artistic Literacy		3	
Scientific Literacy with lab		4	
Quantitative Literacy	MATH 050	3	√
Engaged Citizen		3	

III. All University Required Course			
	Course	Credit	Grade
Equity and Inclusion**	MGMT 110	3	√
** Zimpleman majors fill this with MGMT 110			

IV. Business Core Requirements (39 Credits)		
The Business Acumen Sequence	Credit	Grade
BUS 001 - Welcome to Business	1	
BUS 002 - Career Readiness and Professionalism	1	
BUS 003 - Personal Branding Excellence	1	
BUS 004 - Pursuing Your North Star	1	
	Credit	Grade
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	2	
BLAW 060 - Business Law I	3	
BUS 070 - Globalization	3	
IS 075 - Information Technology and Business	3	
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 (47 Credits)		
	Credit	Grade
ACTS 050 - Introduction to Actuarial Science	0	
ACTS 120/120L - Theory of Interest and Lab	3.5	
ACTS 131/131L - Introduction to Probability and Lab	3.5	
ACTS 135 - Statistic Modeling/Data Analysis I	3	
ACTS 140 - Statistics for Risk Modeling	3	
ACTS 150/150L - Life Insurance Math I and Lab	3.5	
ACTS 161/161L - Introduction to Probability II and Lab	3.5	
ACTS 165 Short-Term Actuarial Math II	3	
ECON 010 - Principles of Macroeconomics	3	
INS 051 - Personal Risk Management	3	
MATH 050 - Calculus I	3	
MATH 070 - Calculus II	3	
STAT 040 - Introduction to R and SAS	3	
STAT 170 - Statistic Modeling/Data Analysis II	3	
<b>Choose two:</b>		
CS 065; FIN 102; FIN 121; INS 180; MATH 100; STAT 172	3	
	3	

# Actuarial Science - Fall 2024 Catalog

## Suggested Course Sequence \*

[Pre-requisites and when courses are offered may be found on this page: www.drake.edu/zimpleman/about/forms/](http://www.drake.edu/zimpleman/about/forms/)

First Year, Fall		
Course	Notes	Credits
FYS		3
ACCT 041		3
ECON 002		3
MATH 050		3
IS 044		2
ACTS 050		0
Term Credits		14

First Year, Spring		
Course	Notes	Credits
BUS 001		1
STAT 040		3
ECON 010		3
ACCT 042		3
INS 051		3
MATH 070		3
Term Credits		16

Second Year, Fall		
Course	Notes	Credits
ACTS 120 with Lab		3.5
BLAW 060 or BUS 070		3
AOI		3
Science AOI with Lab		4
Term Credits		13.5

Second Year, Spring		
Course	Notes	Credits
BUS 002		1
ACTS 131 with Lab		3.5
BUS 070 or BLAW 060		3
IS 075		3
AOI		3
Term Credits		13.5

Third Year, Fall		
Course	Notes	Credits
BUS 003		1
MGMT 110		3
FIN 101		3
ACTS 135		3
ACTS 150 with Lab		3.5
AOI		3
<b>Zimpleman Graduation Agreement Due</b>		
Term Credits		16.5

Third Year, Spring		
Course	Notes	Credits
MGMT 120		3
MKTG 101		3
ACTS 140		3
STAT 170		3
ACTS 161 with Lab		3.5
Term Credits		15.5

Fourth Year, Fall		
Course	Notes	Credits
BUS 004		1
BUS 195		3
ACTS 165		3
AOI		3
Elective		3
Elective		3
<b>University Commencement Application Due</b>		
Term Credits		16

Fourth Year, Spring		
Course	Notes	Credits
ACTS Elective		3
ACTS Elective		3
Elective		3
Elective		3
AOI		3
Term Credits		15

\* This plan is an example and your plan may vary. Meet with your advisor to devise a plan that is best for you.

Total Credits (min. 120)

120

Notes

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