

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, 2023 or later

Revised June 8, 2023

Name _____

Student ID _____

I. Basic Graduation Requirements	
120 - 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 Agreement - Due 15 months prior to graduation	<input type="text"/>
Graduation Application - Online In Self Service	<input type="text"/>

II. Drake Curriculum - Areas of Inquiry (AOI's)			
	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	3	
Engaged Citizen		3	
Senior Capstone	BUS 195	3	√

*One science course must include a lab.

III. All University Required Courses			
	Course	Credit	Grade
Blueprint for Success-Take in first semester	INTD 025	1	
Equity and Inclusion**	MGMT 110	3	√

** May be used to fill an AOI. MGMT 110 must be taken at Drake to apply.

IV. Business Core Requirements (48 Credits)		
The Business Profession Sequence - Every Semester	Fall	Spring
BUS 001 - The Business Profession I		
BUS 002 - The Business Profession II		
BUS 003 - The Business Profession III		
BUS 004 - The Business Profession IV		
BUS 005- The Business Profession V - as needed		
	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	
BUS 073 -Professional Verbal Communication	2	
BUS 074 - Professional Written Communication	2	
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 (46 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 - Life Insurance Math I	3	
ACTS 161 - Introduction to Probability II	3	
ACTS 190 - Case Studies in Insurance & Actuarial Science	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	
Choose two:		
ACTS 155, ACTS 165, STAT 172, MATH 100, FIN 102, and FIN 121	3	
	3	

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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
BUS 001FA		0
FYS		3
INTD 025		1
ACCT 041		3
ECON 002 or ECON 010		3
MATH 050		3
IS 044		2
ACTS 050		0
Term Credits		15

First Year, Spring		
Course	Notes	Credits
BUS 001SP		0
STAT 040		3
ECON 010 or ECON 002		3
ACCT 042		3
INS 051		3
MATH 070		3
Term Credits		15

Second Year, Fall		
Course	Notes	Credits
BUS 002FA		0
ACTS 120with Lab		3.5
BLAW 060 or BUS 070		3
BUS 074 or BUS 073		2
AOI		3
Science AOI with Lab		4
Term Credits		15.5

Second Year, Spring		
Course	Notes	Credits
BUS 002SP		0
ACTS 131 with Lab		3.5
BUS 070 or BLAW 060		3
BUS 073 or BUS 074		2
IS 075		3
AOI		3
Term Credits		14.5

Third Year, Fall		
Course	Notes	Credits
BUS 003FA		0
MGMT 110		3
FIN 101		3
ACTS 135		3
ACTS 150		3
AOI		3
Zimpleman Graduation Agreement Due		
Term Credits		15

Third Year, Spring		
Course	Notes	Credits
BUS 003SP		0
MKTG 101		3
ACTS 140		3
STAT 170		3
ACTS 161		3
MGMT 120		3
Term Credits		15

Fourth Year, Fall		
Course	Notes	Credits
BUS 004FA		0
BUS 195		3
ACTS Elective		3
AOI		3
AOI		3
Elective		3
University Commencement Application Due		
Term Credits		15

Fourth Year, Spring		
Course	Notes	Credits
BUS 004SP		0
ACTS 190		3
ACTS Elective		3
Elective		3
AOI		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.

Notes
