Departmental/Program Major Courses (96-115 credits)

Required Major Courses (51 credits): Average GPA in courses must be 2.50 AND A or B in major courses excluding MGMT 20000 and 20100 AND 3.5 Average GPA in *major courses

_____	(3)	MA 35100 Elementary Linear Algebra
_____	(4)	MA 37300 Financial Mathematics *(satisfies Multidisciplinary)* 🚩
_____	(3)	MA/STAT 41600 Probability 🚩
_____	(4)	STAT 47201 Actuarial Models- Life Contingencies•
_____	(3)	STAT 41700 Statistical Theory•
_____	(3)	STAT 47301 Introduction To Arbitrage-Free Pricing Of Financial Derivatives•
_____	(4)	MA 36600 Differential Equations
_____	(3)	STAT 47900 Loss Models•
_____	(3)	STAT 51200 Applied Regression Analysis
_____	(3)	STAT 42000 Introduction To Time Series
_____	(3)	MGMT 20000 Introductory Accounting
_____	(3)	MGMT 20100 Management Accounting I
_____	(3)	MGMT 31000 Financial Management or MGMT 30400 Introduction To Financial Management
_____	(3)	MGMT 41100 Investment Management
_____	(3)	ECON 25100 Microeconomics *(satisfies General Education Selective)*
_____	(3)	ECON 25200 Macroeconomics

Program Requirement (0 credits): Documentation of passing two exams given by the Society of Actuaries

_____	(0)	EXAM 1: _____
_____	(0)	EXAM 2: _____

Other Departmental /Program Course Requirements (45-64credits)

_____	(4-5)	Calculus I Selective – Select from MA 16100, MA 16500 *(satisfies Quantitative Reasoning for core)*
_____	(4-5)	Calculus II Selective – Select from MA 16200, MA 16600, MA 17300, MA 18100 *(satisfies Quantitative Reasoning for core)*
_____	(4-5)	Calculus III Selective – Select from MA 26100, MA 17400, MA 18200, MA 27100 *(satisfies Quantitative Reasoning for core)*
_____	(3-4)	ENGL 10600 or ENGL 10800 - *(satisfies Written Communication and Information Literacy for core)*
_____	(3-4)	Language I Selective –LINK
_____	(3-4)	Language II Selective – LINK
_____	(3-4)	Language and Culture III Selective –LINK *(Select courses COULD satisfy Human Cultures Humanities for core)*
_____	(0-3)	Technical Writing Selective LINK *(Select courses COULD satisfy Oral Communication for core)*
_____	(0-3)	Technical Presenting Selective LINK *(Select courses COULD satisfy Oral Communication for core)*
_____	(3-4)	Laboratory Science I Selective LINK *(satisfies Science Selective for core)*
_____	(3-4)	Laboratory Science II Selective LINK *(satisfies Science Selective for core)*
_____	(3)	General Education I Selective LINK *(Select courses COULD satisfy Human Culture Behavioral/Social Science for core)*
_____	(3)	General Education II Selective LINK *(Select courses COULD satisfy Human Culture Behavioral/Social Science for core)*
_____	(3)	STAT 35000 Introduction To Statistics
_____	(3-4)	Computing Selective LINK
_____	(0-3)	Teambuilding Experience LINK
_____	(3)	Great Issues Selective LINK

Electives (5-24 credits)

_____ ( ) _____ _____ ( ) _____ _____ ( ) _____ _____ ( ) _____

•••

University Core Requirements LINK

Human Cultures Humanities	☐ _____	*Science, Technology & Society Selective*	☐ _____
Human Cultures Behavioral/Social Science	☐ _____	*Written Communication*	☐ _____
Information Literacy	☐ _____	*Oral Communication*	☐ _____
Science Selective	☐ _____	*Quantitative Reasoning*	☐ _____
Science Selective	☐		

****

The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is knowledge source for specific requirements and completion

****

Actuarial Science Honors

http://www.science.purdue.edu/Current_Students/majors/index.html

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
4-5	Calculus I Selective	ALEKS 85	4-5	Calculus II Selective	Calculus I
3-4	ENGL 10600/10800		4	MA 37300 🚩	Calculus I
3-4	Language I Selective		3-4	Computing Selective	
2	Free Elective MA/STAT 17000	Co-req Calc I	3-4	Language II Selective	Language 10100
3	Free Elective		0	Teambuilding Experience	
			1	Free Elective	
15-18			**15-18**		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4-5	Calculus III Selective	Calculus II	3	MA 35100	Calculus III
3	MGMT 20000		3	MA/STAT 41600 🚩	Calculus III
3	ECON 25100		3	MGMT 20100	MGMT 20000
3	STAT 35000	Calculus II	3	ECON 25200	
3	Language Selective III	See Course Info	3	COM 21700	
			2	Free Elective/STAT 25000	
16-17			**17**		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
4	STAT 47201•	MA 37300 and MA/STAT 41600	3	STAT 47301•	MA 37300 and MA/STAT 41600
3	STAT 41700•	MA/STAT 41600	3-4	Laboratory Science Selective II	Lab Sci Selective I
3	MGMT 31000 or MGMT 30400	ECON 25100, MGMT 20100, STAT 35000	3	General Education I Selective	
3-4	Laboratory Science Selective I		3	Free Elective	
2	Free Elective		3	Free Elective	
15-16			**15-16**		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
4	MA 36600	Calculus III; co-req or pre MA 35100	3	STAT 42000	STAT 35000 and MA/STAT 41600
3	STAT 51200	Statistical Methods		Great Issue Selective	Jr/Sr Standing; may require COM or ENGL
3	MGMT 41100	MGMT 31000	3	General Education II Selective	
3	Free Elective		3	STAT 47900•	MA/STAT 41600 and STAT 41700
2	Free Elective		3	Free Elective	
			3	Free Elective	
15			**15**		

🚩 Identified as a critical course.

Students must earn a 2.5 average GPA among required MA/STAT/MGMT/ECON courses excluding Calculus I, II, and III

AND A or B in major courses excluding MGMT 20000 and 20100 AND 3.5 Average GPA in • major courses

120 semester credits required for Bachelor of Science degree.

3.3 Graduation GPA required for Bachelor of Science degree.

****

The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is knowledge source for specific requirements and completion

****