



**Departmental/Program Major Courses (90-109 credits)**

**Required Major Courses (45 credits):** Average GPA in courses must be 2.50

- \_\_\_\_\_ (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 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) ECON 25100 Microeconomics *(satisfies General Education Selective)*
- \_\_\_\_\_ (3) ECON 25200 Macroeconomics

**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 (11-30 credits)**

\_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( )  
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**University Core Requirements [LINK](#)**

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	_____
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	_____	Oral Communication	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____			


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

**Degree Works is knowledge source for specific requirements and completion**

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**Actuarial Science**[http://www.science.purdue.edu/Current\\_Students/majors/index.html](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	
<b>15-18</b>			<b>15-18</b>		

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	
3-4	Language Selective III	See Course Info	3	COM 21700	
			2	Free Elective/STAT 25000	
<b>16-18</b>			<b>17</b>		

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		2	Free Elective	
<b>15</b>			<b>15</b>		

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	Free Elective/MGMT 41100	MGMT 31000	3	General Education II Selective	
3	Free Elective		3	Free Elective (STAT 47900)	MA 37300 and MA/STAT 41600
2	Free Elective		3	Free Elective	
<b>15</b>			<b>15</b>		

 Identified as a critical course. Student should earn minimum of a C in one or both courses.

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

**120 semester credits required for Bachelor of Science degree.**

**2.0 Graduation GPA required for Bachelor of Science degree.**

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