



Departmental/Program Major Courses (90-118 credits)


Required Major Courses (55-56 credits): Average GPA in courses must be 2.50 [excluding Calculus III selective] AND A or B in major courses excluding MGMT 20000 and 20100 AND 3.5 Average GPA in • major courses

- _____ (4-5) Calculus III Selective – Select from MA 26100, MA 27101 (*satisfies Quantitative Reasoning for core*)
- _____ (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 (35-62 credits)

- _____ (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 (*satisfies Quantitative Reasoning for core*)
- _____ (3-4) ENGL 10600 or ENGL 10800 - (*satisfies Written Communication and Information Literacy for core*)
- _____ (0-4) Language I Selective – [LINK](#)
- _____ (0-4) Language II Selective – [LINK](#)
- _____ (0-4) 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) General Education III 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) Teambuilding Experience [LINK](#)
- _____ (0-3) Multidisciplinary Experience [LINK](#) (*Select courses COULD satisfies Science, Technology, and Society Selective for core*)
- _____ (3) Great Issues Selective [LINK](#)

Electives (2-30 credits)

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



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"/>	_____			

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

Degree Works is knowledge source for specific requirements and completion


Actuarial Science Honorshttp://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  Financial Mathematics	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 Elementary Linear Algebra	Calculus III
3	MGMT 20000 Introductory Accounting		3	MA/STAT 41600  Probability	Calculus III
3	ECON 25100 Microeconomics		3	MGMT 20100 Management Accounting I	MGMT 20000
3	STAT 35000 Introduction To Statistics	Calculus II	3	ECON 25200 Macroeconomics	
3	Language Selective III	See Course Info	3	COM 21700 Science Writing And Presentation	
			2	Free Elective/STAT 25000	
16-17			17		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
4	STAT 47201 • Actuarial Models- Life Contingencies	MA 37300 and MA/STAT 41600	3	STAT 47301 • Introduction To Arbitrage-Free Pricing Of Financial Derivatives	MA 37300 and MA/STAT 41600
3	STAT 41700 • Statistical Theory	MA/STAT 41600	3-4	Laboratory Science II Selective	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 I Selective		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 Differential Equations	Calculus III; co-req or pre MA 35100	3	STAT 42000 Introduction To Time Series	STAT 35000 and MA/STAT 41600
3	STAT 51200 Applied Regression Analysis	Statistical Methods	3	Great Issue Selective	Jr/Sr Standing; may require COM or ENGL
3	MGMT 41100 Investments Management	MGMT 31000	3	General Education II Selective	
3	Free Elective/ Science, Technology & Society Selective Course		3	STAT 47900 • Loss Models	MA/STAT 41600 and STAT 41700
2-3	Free Elective		2	Free Elective (STAT 49000 - Life Contingencies II)	
			1	Free Elective	
15-16			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.

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