

Departmental/Program Major Courses (66-95 credits)

Required Major Courses (34-36 credits): Average GPA in courses must be 2.00 excluding Calculus III Selective

- _____ (4-5) Calculus III Selective – Select from MA 26100, MA 27101 (*satisfies Quantitative Reasoning for core*) Grade of C or Better Required
- _____ (3) MA 35100 Elementary Linear Algebra Grade of C or Better Required
- _____ (3) STAT 35000 Introduction To Statistics (*satisfies Statistics Requirement*)
- _____ (3) MA 34100 Foundations Of Analysis or MA 44000 Real Analysis Honors
- _____ (3) MA or STAT 41600 – Probability or STAT 51600 - Basic Probability And Applications
- _____ (3) Advanced Calculus Selective: MA 36200 Topics In Vector Calculus/MA 44200 - Multivariate Analysis I Honors/MA 51000 - Vector Calculus
- _____ (3) STAT 41700 - Statistical Theory or STAT 51700 - Statistical Inference
- _____ (3-4) Advanced MA Selective: MA 36600 Ordinary Differential Equations/MA 37500 - Introduction To Discrete Mathematics/MA 42100 - Linear Programming And Optimization Techniques/MA 42500 - Elements Of Complex Analysis/MA 42800 - Introduction To Fourier Analysis/MA 45300 - Elements Of Algebra I or MA 45000 - Algebra Honors/MA 52000 - Boundary Value Problems Of Differential Equations
- _____ (3) STAT 51200 Applied Regression Analysis
- _____ (3) MA 35300 Linear Algebra II With Applications
- _____ (3) STAT Selective: STAT 51300 - Statistical Quality Control/STAT 51400 - Design Of Experiments/STAT 42000 - Introduction To Time Series, IE 53000 - Quality Control

Other Departmental /Program Course Requirements (32-59 credits)

- _____ (4-5) Calculus I Selective – Select from MA 16100, MA 16500 (*satisfies Quantitative Reasoning for core*) Grade of C or Better Required
- _____ (4-5) Calculus II Selective – Select from MA 16200, MA 16600 (*satisfies Quantitative Reasoning for core*) Grade of C or Better Required
- _____ (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*)
- _____ Within major STAT 35000 Introduction To Statistics
- _____ (3-4) Computing Selective [LINK](#)
- _____ (0) Teambuilding Experience [LINK](#)
- _____ (0-3) Multidisciplinary Experience [LINK](#) (*Select courses COULD satisfy Science, Technology, and Society Selective for core*)
- _____ (3) Great Issues Selective [LINK](#)

Electives (25-54 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


Statistics-Math Emphasishttp://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
4	ENGL 10600 First-Year Composition		3-4	Computing Selective	
3-4	Language I Selective		3-4	Language II Selective	Language 10100
1	Free Elective MA 10800		0	Teambuilding Experience	
3-4	Free Elective		3	Free Elective	
			2	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	General Education I Selective		3	STAT 35000 Introduction To Statistics	Calculus II
3-4	Language Selective III	See Course Info	3	COM 21700 Science Writing & Presentation	
3	Free Elective MA 30100	Calculus II	6	Free Elective	
2	Free Elective				
15-17			15		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	MA 34100 Foundations Of Analysis	Calculus III	3	Advance Calculus Selective	Varies by Class
3	MA/STAT 41600  Probability	Calculus III	3	STAT 41700 Statistical Theory	STAT 41600
3-4	Laboratory Science I Selective		3-4	Laboratory Science I Selective	Lab Sci Selective I
3	Free Elective		6	Free Elective	
3	Free Elective				
15-16			15-16		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	Advanced MA Selective	Varies by Class	3	MA 35300 Linear Algebra II With Applications	MA 35100
3	STAT 51200 Applied Regression Analysis	STAT 35000	3	STAT Selective	Varies by Class
3	General Education II Selective		3	General Education III Selective	
0-4	Multidisciplinary Experience		3	Great Issues Selective	
3-6	Free Elective/ Science, Technology & Society Selective Course		3	Free Elective	
15-18			15		

 Identified as a critical course. Student should earn minimum of a C.

Students must earn a 2.0 average in MATH/STAT/IE courses required for major.
Calculus I, II, III and MA 35100 must have a grade of C or higher.

120 semester credits required for Bachelor of Science degree.

2.0 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
