

Departmental/Program Major Courses (69-93 credits)

Required Major Courses (36-40 credits): Average GPA in courses must be 2.00

- _____ (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) MA 35100 Elementary Linear Algebra
- _____ (3) STAT 35000 Introduction To Statistics (*satisfies Statistics Requirement*)
- _____ (3) MA 36200 Topics In Vector Calculus or STAT 42000 - Introduction To Time Series
- _____ (3) MA or STAT 41600 – Probability or STAT 51600 - Basic Probability And Applications
- _____ (3) STAT 41700 - Statistical Theory or STAT 51700 - Statistical Inference
- _____ (6-7) Applied STAT Selective: STAT 51300 - Statistical Quality Control/STAT 51400 - Design Of Experiments/STAT 42000 - Introduction To Time Series/STAT 47201 - Actuarial Models- Life Contingencies/STAT 47301 - Introduction To Arbitrage-Free Pricing Of Financial Derivatives/STAT 50600 - Statistical Programming And Data Management/STAT 52200 - Sampling And Survey Techniques
- _____ (3) STAT 51200 Applied Regression Analysis

Other Departmental /Program Course Requirements (33-53 credits)

- _____ (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 Selective [LINK](#) (*Select courses COULD satisfy Human Culture Behavioral/Social Science 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*)
- _____ (3-4) Computing Selective [LINK](#)
- _____ (0-3) Teambuilding Experience [LINK](#)
- _____ (0-4) Multidisciplinary Experience [LINK](#) (*Select courses COULD satisfies Science, Technology, and Society Selective for core*)
- _____ (3) Great Issues Selective [LINK](#)

Electives (27-51 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


Applied Statistics

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		3-4	Computing Selective	
3-4	Language I Selective		3-4	Language II Selective	Language 10100
2	Free Elective		0	Teambuilding Experience	
3	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	Calculus III
3	General Education Selective		3	STAT 3500	Calculus II
3-4	Language Selective III	See Course Info	3	COM 21700	
5	Free Elective		6	Free Elective	
15-17			15		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	MA 36200 or STAT 42000	Varies by Class	3	STAT 41700	STAT 41600
3	MA/STAT 41600 	Calculus III	3-4	Applied STAT Selective	Varies by Class
3-4	Laboratory Science Selective I		3-4	Laboratory Science Selective II	Lab Sci Selective I
3	Free Elective		6	Free Elective	
3	Free Elective				
15-16			15-17		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	STAT 51200	STAT 35000	3	Applied STAT Selective	Varies by Class
3	General Education Selective I		3	General Education Selective II	
0-4	Multidisciplinary Experience		3	Great Issues Selective	Jr/Sr Standing; may require COM or ENGL
9	Free Elective		6	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 courses required for major.
120 semester credits required for Bachelor of Science degree.
2.0 Graduation GPA required for Bachelor of Science degree.

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