Departmental/Program Major Courses (75-99 credits)
Required Major Courses (42-46 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 34100 Foundations Of Analysis or MA 44000 Real Analysis Honors
_____	(3)	MA or STAT 41600 – Probability or STAT 51600 - Basic Probability And Applications
_____	(3)	Advance 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 (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 (21-45 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	▢		

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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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Mathematics/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
4	ENGL 10600		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	Free Elective		3	Free Elective	
			2	Free Elective	
15-17			**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	
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	Calculus III	3	Advance Calculus Selective	Varies by Class
3	MA/STAT 41600	Calculus III	3	STAT 41700	STAT 41600
3-4	Laboratory Science Selective I		3-4	Laboratory Science Selective II	Lab Sci Selective I
3	Free Elective		3	Great Issues Selective	Jr/Sr Standing; may require COM or ENGL
3	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	MA 35100
3	STAT 51200	STAT 35000	3	STAT Selective	Varies by Class
3	General Education Selective I		3	General Education Selective II	
0-4	Multidisciplinary Experience		6	Free Elective	
3-6	Free Elective				
15-17			**15**		

🚩 Identified as a critical course. Student should earn minimum of a B- see advisor for further details.

Students must earn a 2.0 average in MATH/STAT/IE 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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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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