

**Departmental/Program Major Courses (82-105 credits)**

**Required Major Courses (49-52 credits):** Average GPA in courses must be 2.00

- |       |       |   |
|-------|-------|---|
| _____ | (4-5) | Calculus I Selective – Select from MA 16100, MA 16500 ( <i>satisfies Quantitative Reasoning for core</i> )  |
| _____ | (4-5) | Calculus II Selective – Select from MA 16200, MA 16600, MA 17300, MA 18100 ( <i>satisfies Quantitative Reasoning for core</i> )   |
| _____ | (4-5) | Calculus III Selective – Select from MA 26100, MA 17400, MA 18200, MA 27100 ( <i>satisfies Quantitative Reasoning for core</i> )  |
| _____ | (3)   | MGMT 20000 Introductory Accounting ( <i>satisfies General Education Selective</i> )   |
| _____ | (6)   | Option Course Selective I - MA 37500 - Introduction To Discrete Mathematics/MA 42100 - Linear Programming And Optimization Techniques/CS 31400 - Numerical Methods/STAT 41700 - Statistical Theory or STAT 51700 - Statistical Inference                                      |
| _____ | (3)   | MA 35100 Elementary Linear Algebra  |
| _____ | (3)   | MA/STAT 41600 Probability or STAT 51600 - Basic Probability And Applications  |
| _____ | (3)   | MA 34100 Foundations Of Analysis or MA 44000 Real Analysis Honors   |
| _____ | (3)   | MA 35300 Linear Algebra II With Applications  |
| _____ | (4)   | MA 36600 Ordinary Differential Equations  |
| _____ | (3)   | MA 45300 - Elements Of Algebra I or MA 45000 - Algebra Honors   |
| _____ | (6)   | Option Course Selective II - MA 37300 - Financial Mathematics/MGMT 30400 - Introduction To Financial Management or MGMT 31000 - Financial Management/MGMT 41100 - Investment Management/MGMT 54400 - Database Management Systems/MGMT 32300 - Introduction To Market Analysis |
| _____ | (3)   | STAT 51200 Applied Regression Analysis  |

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

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|-------|-------|---|
| _____ | (3-4) | ENGL 10600 or ENGL 10800 - ( <i>satisfies Written Communication and Information Literacy for core</i> )   |
| _____ | (3-4) | Language I Selective – <a href="#">LINK</a>   |
| _____ | (3-4) | Language II Selective – <a href="#">LINK</a>  |
| _____ | (3-4) | Language and Culture III Selective – <a href="#">LINK</a> ( <i>Select courses COULD satisfy Human Cultures Humanities for core</i> )            |
| _____ | (0-3) | Technical Writing Selective <a href="#">LINK</a> ( <i>Select courses COULD satisfy Oral Communication for core</i> )                            |
| _____ | (0-3) | Technical Presenting Selective <a href="#">LINK</a> ( <i>Select courses COULD satisfy Oral Communication for core</i> )                         |
| _____ | (3-4) | Laboratory Science I Selective <a href="#">LINK</a> ( <i>satisfies Science Selective for core</i> )   |
| _____ | (3-4) | Laboratory Science II Selective <a href="#">LINK</a> ( <i>satisfies Science Selective for core</i> )  |
| _____ | (3)   | General Education I Selective <a href="#">LINK</a> ( <i>Select courses COULD satisfy Human Culture Behavioral/Social Science for core</i> )     |
| _____ | (3)   | General Education II Selective <a href="#">LINK</a> ( <i>Select courses COULD satisfy Human Culture Behavioral/Social Science for core</i> )    |
| _____ | (3)   | STAT 35000 Introduction To Statistics   |
| _____ | (3-4) | Computing Selective <a href="#">LINK</a>  |
| _____ | (0-3) | Teambuilding Experience <a href="#">LINK</a>  |
| _____ | (0-4) | Multidisciplinary Experience <a href="#">LINK</a> ( <i>Select courses COULD satisfies Science, Technology, and Society Selective for core</i> ) |
| _____ | (3)   | Great Issues Selective <a href="#">LINK</a>   |

**Electives (15-38 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"/>	_____			_____


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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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**Business Mathematics**[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
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	
<b>15-17</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	Option Course Selective I	Varies by Class
3-4	Language Selective III	See Course Info	3	STAT 35000	Calculus II
3	Free Elective MA 30100	Calculus II	3	COM 21700	
2	Free Elective		3	Free Elective	
<b>15-17</b>			<b>15</b>		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	MA/STAT 41600 or STAT 51600	Calculus III	3	MA 35300	MA 35100
3	MA 34100 or MA 44000	Calculus III	3	Option Course Selective I	Varies by Class
3-4	Laboratory Science Selective I		3	General Education Selective I	
3	Free Elective		3-4	Laboratory Science Selective II	Lab Sci Selective I
3	Free Elective		3	Free Elective	
<b>15-16</b>			<b>15-16</b>		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	MA 45300 or MA 45000	MA 35100	3	Option Course Selective II	Varies by Class
4	MA 36600	Calculus III; co-req or pre MA 35100	3	STAT 51200	STAT 35000
3	Option Course Selective II	Varies by Class	3	Great Issues Selective	Jr/Sr Standing; may require COM or ENGL
0-4	Multidisciplinary Experience		3	Free Elective	
3	General Education Selective II		3	Free Elective	
0-2	Free Elective				
<b>15-18</b>			<b>15</b>		

 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/MGMT 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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