

<u>COURSE</u>	<u>SEMESTER COMPLETED</u>	<u>COMMENTS</u>
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IV. OTHER CORE AND COLLEGE REQUIREMENTS (16 credits)

MATH 181 - Calculus I <i>(Take instead of MATH 176)</i>		
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Natural Science B (Check list)		
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Core and College Social Science Requirement (ANTH 101, PSY 101, SOC 101, PSC 211 or 231) – Choose Two

1.		
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2.		
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Additional Humanities requirement -- See Mathematics Advisor for eligible courses (3 credits)

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V. ECONOMICS ELECTIVES (9 credits)
(ECON 440 is recommended)

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VI. CORE MATHEMATICS MAJOR COURSES (20 credits)
(These courses will help fulfill the requirements for a B.A. in Mathematics)

MATH 182 - Calculus II		
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MATH 283R - Calculus III		
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MATH 285 - Differential Equations		
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MATH 310 - Introduction to Analysis I		
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MATH 311 - Introduction to Analysis II		
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MATH 330 - Linear Algebra		
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MATH 461 - Probability Theory <i>(Take instead of ECON 261; credits counted in economics core)</i>		
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STAT 452 - Statistics I <i>(Take instead of ECON 262; credits counted in economics core)</i>		
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VII. MATHEMATICS OPTION COURSES (9-12 credits)
(These courses will complete the requirements for a B.A. in Mathematics)

There are four options in the mathematics major. Options 3 and 4 are recommended.

- 1) *General Mathematics*: Take MATH 331, 440, and 486 (as an approved math elective).
- 2) *Applied Mathematics*: Take MATH 420, 488, and 486 (as an approved math elective).
- 3) *Discrete Mathematics*: Take MATH 485, 486, 487, and 3 more credits of approved math/stat electives.
- 4) *Statistics*: Take STAT 467, MATH 486 (as an approved math elective), and 6 more credits of approved math/stat electives.

1.	MATH 486 - Game Theory <i>(required for option 3, elective for options 1, 2, and 4)</i>	
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128-131 Total Credits Required for Graduation with B.A. in Economics and Mathematics