### MAJOR COURSE REQUIREMENTS (36/37 Credits)

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<tr>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
<th>Sem.</th>
<th>Notes</th>
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<tr>
<td>MAT 201 Calculus I</td>
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<td>MAT 202 Calculus II</td>
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<td>MAT 301 Calculus III</td>
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<td>MAT 302 Calculus IV</td>
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<td>MAT 305 Fund. Struct. of Math</td>
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<td>MAT 321 History of Mathematics</td>
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<td>MAT 331 Linear Algebra</td>
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<td>MAT 334 Abstract Algebra</td>
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<td>MAT 401 Real Analysis I</td>
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Advanced Math Electives (Two 300-400 level Mathematics Courses)

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### MAJOR RELATED COURSES (7-8 credits)

- **Two of the following:**
  - CSC 101 Computer Science
  - PHY 261 Physics I

### GEN ED Component One: (0-24 credit hours)

I. Written Communication (0-6 credits): Exempted OR ENG 101, ENG 102

II. Oral Communication (0-3 credits): Exempted OR COM (COM 101, COM 103, THE 136)

III. Foreign Languages (0-6 credits): Exempted OR Foreign Language I, Foreign Language II

IV. Quantitative Reasoning (0-6 credits): Exempted from math OR two courses, at least one with MAT prefix:
   - Quantitative Course I
   - Quantitative Course II

V. Computer Use (1-3 credits): Exempted OR CSC (CSC 117, CSC 118, Course designated by math dept).

### GEN ED Component Two: (25 credit hours)

VI. Humanities (9 credits): One course from each of the following categories
   - Literature
   - Fine Arts
   - Philosophy/Semiotic System

VII. Natural Sciences (7-8 credits): One course from two of the following categories
   - BIO
   - CHE
   - Envi Sci
   - GOE
   - Hist/Phil of Sci/Tec
   - PHY

VIII. Social Sciences (9 credits): One course from each of following categories (One course be a D course)
   - History & Heritage
   - Social Institutions and Processes
   - Individual, Cul/Soc

### GEN ED Component Three: Integrated Writing (3 OR 6 credits)

Two WI Courses after a student has completed 27 credit hours. WI Course I, WI Course II

One WI Course for transfer students who transfer with core complete. WI Course I

### Free Elective Courses:

(Sufficient number to earn 120 hours) 

### Liberal Arts courses 90 credits
New General Education Core Courses (31-55 credits)

Component One: (0-24 credit hours)

I. Written Communication (0-6 credits): Exempt_____ OR ENG 101:______, ENG 102:______

II. Oral Communication (0-3 credits): Exempt_____ OR COM 101:______, COM 103______, THE 136:______

III. Foreign Languages (0-6 credits): Exempt_____ OR Foreign Language I______, Foreign Language II______

IV. Quantitative Reasoning (0-6 credits)
Exempted________ OR two of the following courses, at least one of which must have MAT as a prefix:
ECN 241______, MAT 104______, MAT 107______, MAT 112______,
MAT 131______, MAT 143______, MAT 151______, MAT 201______, PSY/SOC 211______

V. Computer Use (1-3 credits)
Exempted___________ OR CSC 117______, CSC 118______, Course designated by math Depart.__________

Component Two: (25 credit hours)

VI. Humanities (9 credits) One course from each of the following categories


PHI 107______, PHI 108______

VII. Natural Sciences (7-8 credits) One course from two of the following categories
Biology: BIO 101 and 102______, BIO 111/111L______, BIO 112/PSY 207______, BIO 113______, BIO 211______

Chemistry: CHE 103______, CHE 211______, ENV 201______

Environmental Sciences: ENV 201______


History and Philosophy of Science and Technology: HPS 126______

Physics: PHY 116______, PHY 123______, PHY 151______, PHY 261______

VIII. Social Sciences (9 credit hours) One course from each of the following categories (One must be a D course)
History & Heritage: ANT 251(D)______, HIS 125______, HIS 135(D)______, HIS 145(D)______, HIS 165(D)______

Social Institutions and Processes: ECN 141______, GOV 101______, IS 101(D)______

The Individual, Culture, and Society: ANT 101(D)______, PSY 101______, SOC 151(D)______

IX. Component Three: Integrated Writing (3 OR 6 credits)
WI______ WI Course II______
Two WI Course after 27 credit hours OR one WI Course for transfer students who transfer with core completed.