This sheet applies to the 2012-13 catalog only. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors must work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

<table>
<thead>
<tr>
<th>General Studies</th>
<th>33 min</th>
<th>Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major courses</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>Minor</td>
<td>18 min</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>Total to graduate (min. 40 hrs upper division)</td>
<td>120 min</td>
<td></td>
</tr>
</tbody>
</table>

**MAJOR CORE COURSES** (Please see a Faculty Advisor)

All majors in mathematics are required to complete the following basic core of courses (with a required minimum grade of “C” in each of these courses).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 1410</td>
<td>Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MTH 2410</td>
<td>Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MTH 2420</td>
<td>Calculus III</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Quantitative Literacy**

- MTH 1110-4 College Algebra or higher-level mathematics course

**Oral Communication**

- (3 hrs.)

**Arts and Humanities**

- (3 hrs.)
- (3 hrs.)

**Historical**

- (3 hrs.)

**Natural and Physical Sciences**

- (3 hrs.)
- (3 hrs.)

**Social and Behavioral Sciences I**

- (3 hrs.)

**Social and Behavioral Sciences II**

- (3 hrs.)

**Global Diversity**

- (3 hrs.) may be satisfied within General Studies

**ELECTIVES**

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**TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS**

**Written Communication**

- ENG 1010 (3 hrs.) Freshman English: The Essay*
- ENG 1008/1009 (6 hrs.) Freshman Comp: The Essay Part I & II*
- ENG 1020 (3 hrs.) Freshman English: Anal.,Rsrch.& Docum. (must be completed within 45 credit hours)

**Quantitative Literacy**

- MTH 1110-4 College Algebra or higher-level mathematics course

**Oral Communication**

- (3 hrs.)

**Arts and Humanities**

- (3 hrs.)
- (3 hrs.)

**Historical**

- (3 hrs.)

**Natural and Physical Sciences**

- (3 hrs.)
- (3 hrs.)

**Social and Behavioral Sciences I**

- (3 hrs.)

**Social and Behavioral Sciences II**

- (3 hrs.)

**Global Diversity**

- (3 hrs.) may be satisfied within General Studies

**Multicultural Requirement**

- 3

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**One of the following three courses:**

- CS 1050 (4 crh) Computer Science 1
- OR CSS 1247 (4 crh) Introduction to Programming: Visual Basic
- OR CSS 1510 (4 crh) Computer Programming: FORTRAN
- OR CSS 3510 (4 crh) SAS Programming

**Required Probability and Statistics Concentration Courses**

- MTH 2140 (2 crh) Computational Matrix Algebra
  (MTH 3130 or MTH 3140 may substitute for MTH 2140)
- MTH 3210 (4 crh) Probability and Statistics
- MTH 3220 (4 crh) Design of Experiments
- MTH 4210 (4 crh) Probability Theory
- MTH 4230 (4 crh) Regression and Computational Statistics
- MTH 4250 (4 crh) Statistical Theory
- MTH 4290 (1 crh) Senior Statistics Project

**MINOR** (required)

- 3

**Multicultural Requirement**

(may be satisfied within General Studies major, minor, or elective)**

**ELECTIVES**

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