This sheet applies to the 2014-15 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>39-40</td>
<td></td>
</tr>
<tr>
<td>Minor (determines BA or BS - see MTH advisor)</td>
<td>18 min</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>29-30</td>
<td></td>
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<tr>
<td>Total to graduate (min. 40 hrs upper division)</td>
<td>120 min</td>
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</tbody>
</table>

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

**Written Communication**

- **ENG 1010 (3 hrs)** Composing Arguments* or **ENG 1008/1009 (6 hrs.)** Intro to Composition, Parts 1 & 2*
- **ENG 1020 (3 hrs)** Freshman Comp: Analysis, Research, & Documt.
  (ENG 1020 must be completed within 45 credit hours)

**Oral Communication***

- (3 hrs)

**Quantitative Literacy***

- **MTH 1110 (4 hrs.)** College Algebra or higher level math
  
  NOTE: **MTH 1110 & MTH 1120** -OR- **MTH 1400** are prereqs for **MTH 1410** do _not_ take MTH 1112 College Algebra through Modeling

**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

**MAJOR CORE COURSES** (Please see a Math Advisor in M&CS dept)

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).

- **MTH 1410 (4 hrs)** Calculus I
- **MTH 2410 (4 hrs)** Calculus II
- **MTH 2420 (4 hrs)** Calculus III
- **MTH 3100 (3 hrs)** Introduction to Mathematical Proofs

**Required Courses**

- **MTH 3110 (3 hrs)** Abstract Algebra I
- **MTH 3140 (4 hrs)** Linear Algebra
- **MTH 4410 (4 hrs)** Advanced Calculus I
- **MTH 4420 (3 hrs)** Advanced Calculus II

**One of the following three courses:**

- **CS 1050 (4 hrs)** Computer Science 1
- OR **MTH 2510 (4 hrs)** Computer Programming with Mathematica
- OR **CSS 1510 (4 hrs)** Computer Programming: FORTRAN

**Two of the following courses:**

Work with your Math advisor in the M&CS department.

- **MTH 4110 (3 hrs)** Abstract Algebra II
- **MTH 4150 (3 hrs)** Elementary Number Theory
- **MTH 4450 (4 hrs)** Complex Variables
- **MTH 4660 (3 hrs)** Topology

**MINOR** (required) - Your choice of minor determines if you earn a BS or BA so work with your mathematics faculty advisor in M&CS on this selection.

**Multicultural Requirement**

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

**ELECTIVES**