Mathematics, B.S., General Concentration
303-556-3208 Science Building 1022

This sheet applies to the 2010-2011 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>34 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>
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<tr>
<td>Minor courses</td>
<td>18 min</td>
<td></td>
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<tr>
<td>Electives</td>
<td>26</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>
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### General Studies

**Composition**
- ENG 1010-3 Freshman Comp: the Essay
- ENG 1020-3 Freshman Comp: Anal., Rsrch & Docum.

**Mathematics**
- MTH 1110-4 College Algebra or higher level math

**Communications**
- 3

**Historical**
- 3

**Arts & Letters**
- 3
- 3

**Social Sciences**
- 3
- 3

**Natural Sciences**
- 3
- 3

**Multicultural Requirement**
- (may be satisfied within General Studies, major, minor or electives)
- 3

**MINOR (Required)**

### Major Courses

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

Select one of the following three courses:
- CS 1050-4 Computer Science I
- CSS 1247-4 Introduction to Programming: Visual Basic
- MTH 1510-4 Computer Programming: FORTRAN
- MTH 4390-1 Mathematics Senior Seminar

Select an additional 22 hours of Math electives (excluding MTH 3240) in consultation with a faculty advisor. At least 20 hours must be upper division and at least 7 hours must be 4000 level. Include at least one Senior Experience course in mathematics and one of the following sequences:

- MTH 3110 and MTH 3140* or MTH 3110 and MTH 4110 or MTH 3210 and MTH 3220 or MTH 3420 and MTH 3440 or MTH 4210 and MTH 4220 or MTH 4410 and MTH 4420 or MTH 4480 and MTH 4490.

*Only one of the three courses MTH 2140, MTH 3130, and MTH 3140 can be counted.

**Note:** A grade of "C" or better is required in each course included in the major.

### Electives

- 303-556-3208 Science Building 1022