

# Mathematics, B.S., General Concentration

303-556-3208 Science Building 1022

Catalog 10-11

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.

General Studies	34 min	Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.
Major courses	42	
Minor courses	18 min	
Electives	26	
<b>Total to graduate (min. 40 hrs upper division)</b>	<b>120 min</b>	

## 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