

Mathematics, B.S., General Concentration

303-556-3208 Science Building 1022

Catalog 11-12

This sheet applies to the 2011-2012 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
Major courses	42
Minor courses	18 min
Electives	26
Total to graduate (min. 40 hrs upper division)	120 min

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

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
- ___ MTH 4390-1 Mathematics Senior Seminar

Select one of the following three courses:

- ___ CS 1050-4 Computer Science I
- ___ CSS 1247-4 Introduction to Programming: Visual Basic
- ___ CSS 1510-4 Computer Programming: FORTRAN

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