

Mathematics, B.A./B.S., General Concentration

303-556-3208 Science Building 1022

Catalog 12-13

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.

General Studies	33 min
Major courses	42
Minor	18 min
Electives	27
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.

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

Written Communication

- ___ ENG 1010 (3 hrs.) Freshman English: The Essay*
or 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

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).

- ___ 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 General Concentration Courses

- ___ MTH 4600 (1 crh) Seminar in Problem Solving

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

A minimum of 22 credit hours chosen from an approved list of courses
(see Catalog).

MINOR (required)

___ - 3 **Multicultural Requirement**

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

ELECTIVES 27