

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

Department of Mathematics & Computer Sciences, 303-556-3208, Science Building 1022
College of Letters, Arts, and Sciences

Catalog 15-16

This sheet applies to the 2015-16 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	30	
Major courses	42	
Minor (determines BA or BS - see MTH advisor)	18	
Electives	30	
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.) 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.)

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 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 General Concentration Courses

- ___ MTH 4600 (1 hr.) Seminar in Problem Solving

One of the following four courses:

- ___ MTH 2510 (4hrs.) Computer Programming with Mathematica
- OR** CS 1050 (4 hrs.) Computer Science 1
- OR** CSS 1247 (4 hrs.) Introduction to Programming: Visual Basic
- OR** CSS 1510 (4 hrs.) Computer Programming: FORTRAN

22 hours from the catalog list of approved courses

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

- ___ Senior Experience Graduation Requirement.
See mathematics faculty advisor in M&CS Dept.

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