

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 14-15

This sheet applies to the 2014-15 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 (determines BA or BS - see MTH advisor)	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) 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)

Quantitative Literacy*

- ___ MTH 1110 (4 hrs.) College Algebra or higher level math
NOTE: MTH 1110 & MTH 1120 -OR- MTH 1400 are prereqs for MTH 1410
 do ***not*** take MTH 1112 College Algebra through Modeling

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 three 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 .

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