

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

303-556-3208 Science Building 1022
School of Letters, Arts and Sciences

Catalog 13-14

This sheet applies to the 2013-14 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	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	18 min	
Electives	27	
Total to graduate (min. 40 hrs upper division)	120 min	

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

Written Communication

- ___ ENG 1010 (3 hrs.) Composing Arguments*
- 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

MTH 2510 option added (all concentrations)
CSS 1247 removed as an option (Applied and Theoretical)
CSS 1510 option removed & CS 1030 option added (Mathematics Education)

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:

- ___ MTH 2510 Computer Programming with Mathematica
- OR** 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

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