

**College of Science
Department of Mathematics
Mathematics Minor
CHECK SHEET
For students graduating in calendar year 2020**

I. Required Mathematics Courses (17 credits)

A. Calculus:

PATH 1:

MATH 1205 Calculus 3 ()
MATH 1206 Calculus 3 ()
MATH 1224 Vector Geometry 2 ()

OR

PATH 2:

MATH 1225 Calculus of a Single Variable 4 ()
MATH 1226 Calculus of a Single Variable 4 ()

B. Multivariable Calculus: One of the following:

PATH 1: MATH 2224 Multivariable Calculus 3 ()

PATH 2: MATH 2204 Introduction to Multivariable Calculus 3 ()

Note: CMDA 2005 Integrated Quantitative Sciences (6) may be substituted for either MATH 2204 or 2224

C. Linear Algebra:

MATH 2114 Introduction to Linear Algebra 3 ()

D. ODE's:

MATH 2214 Introduction to Differential Equations 3 ()

Note: CMDA 2006 Integrated Quantitative Sciences (6) may be substituted for MATH 2214.

II. Math Electives (9 credits)

Any 9 hours of MATH courses numbered 3000 or higher with the following exceptions.

- MATH 2534 Introduction to Discrete Mathematics (3) *may* be used.
- The following may *not* be used:
 - MATH 3054 Programming For Mathematical Problem Solving (3)
 - MATH 4044 History Of Mathematics (3)
 - MATH 4625, 4626 Mathematics For Secondary Teachers (3)
 - MATH 4644 Secondary School Mathematics With Technology (3)
 - MATH 4664 Senior Math Education Seminar (2)
 - MATH 4974 Independent Study (variable)
 - MATH 4994 Undergraduate Research (variable).
- CMDA 3605-3606 Mathematical Modeling: Methods and Tools and CMDA 4604 Intermediate Topics in Mathematical Modeling *may* be used.

_____ 3 () _____ 3 () _____ 3 ()

Note: Enrollment opportunities in some of these courses may be limited for non-majors.

III. Total Hours. 26 semester credits required.

IV. Minimum GPA. The courses used to satisfy the minor requirements must be completed with a combined GPA of 2.0 or higher.

Note: 1. Unless specified, course duplications or non-mathematics substitutions are not acceptable in lieu of the specific courses indicated above.

2. Please consult the University Course Catalog for prerequisite requirements.