

College of Science
Mathematics Minor

CHECKSHEET
For students graduating in calendar year 2019

I. Required Mathematics Courses. (16–17 credits)

A. Calculus:

PATH 1:

MATH 1205 Calculus	3 ()
MATH 1206 Calculus	3 ()
MATH 1224 Vector Geometry	2 ()
MATH 2224 Multivariable Calculus	3 ()

OR

PATH 2:

MATH 1225 Calculus of a Single Variable I	4 ()
MATH 1226 Calculus of a Single Variable II	4 ()
MATH 2204 Intro to Multivariable Calculus	3 ()

B. Linear Algebra: One of the following

MATH 1114 Elementary Linear Algebra	2 ()
MATH 2114 Introduction to Linear Algebra	3 ()

C. ODE's:

MATH 2214 Intro. to Differential Equations	3 ()
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II. Math Electives. (9 credits)

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

- MATH 2534 Intro 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 4654 Capstone Thesis And Seminar (3)
 - MATH 4664 Senior Math Education Seminar (2)
 - MATH 4974 Independent Study (3)
 - MATH 4994 Undergraduate Research (3).
- MATH 4984 Special Study may be used *only* if permission is granted by the associate head for undergraduate students.
- CMDA 3605, 3606 Mathematical Modeling: Methods and Tools and CMDA 4604 Intermediate Topics in Mathematical Modeling *may* be used.

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

III. Total Credits. 25 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: Course duplications or non-mathematics substitutions are not acceptable in lieu of the specific courses indicated above.