

College of Science, Department of Mathematics

Mathematics Minor

For students graduating in calendar year **2021**

I. Required Mathematics Courses (17 credits)

MATH 1225: Calculus of a Single Variable	4	
MATH 1226: Calculus of a Single Variable	4	
MATH 2114: Introduction to Linear Algebra (Pre: 1225 or 1226)	3	
MATH 2204: Intro Multivariable Calculus or CMDA 2005: Integrated Quantitative Sci. Pre: MATH 1226 (C-), Co: MATH 2114	3	
MATH 2214: Intro Differential Equations Pre: (1114 or 1114H or 2114 or 2114H), (1206 or 1226) or CMDA 2006: Integrated Quantitative Sci. Pre: 2005 (C-), (MATH 2114 (C-) or 2114H (C-))	3	

II. Mathematics Electives (9 credits)

Any 9 credits of MATH courses numbered 3000 or higher with the following exceptions:
MATH 2534: Intro to Discrete Mathematics Pre: CS 1114 (C) or ECE 1574 (C-) (3) *may* be used.

- The following *may not* be used:
 - MATH 3054: Programming for Mathematical Problem Solving
 - MATH 4044: History of Mathematics
 - MATH 4625, 4626: Mathematics for Secondary Teachers
 - MATH 4644: Secondary School Mathematics with Technology
 - MATH 4654: Capstone Thesis and Seminar
 - MATH 4664: Senior Math Education Seminar
 - MATH 4974: Independent Study
 - MATH 4994: Undergraduate Research
- MATH 4984 Special Study may be used *only* with the permission of the Associate Chair.
- CMDA 3605, 3606: Mathematical Modeling: Methods and Tools Pre: CS 1114 (C) or MATH 3054), MATH 2114 (C-) or MATH 2114H (C-) or MATH 2405H (C-), MATH 2204 (C-) or MATH 2204H or MATH 2406H or CMDA 2006), (MATH 2214 (C-) or MATH 2214H (C-) or MATH 2406H (C-) or CMDA 2006 (C-)) *may* be used.
- CMDA 4604: Intermediate Topics in Mathematical Modeling Pre: 3606 *may* be used.

Note: Enrollment opportunities in some courses may be limited for nonmajors.

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III. Minimum Credits

At least 26 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: Unless specified, course duplications or non-mathematics substitutions are not acceptable in lieu of the specific courses indicated above. Some courses listed on this checksheet may have prerequisites; please consult the University Course Catalog or check with your advisor.