

Math

Concentration

Description

The mathematics minor at CU is available to undergraduate students majoring in any discipline at CU who are interested in studying mathematics. Mathematical methods are used today in numerous career fields including medicine, law, design, engineering, finance, accounting, economics, architecture, and computer programming. The math minor is designed to provide students with an opportunity to study a broad range of mathematical topics. The requirements of the math minor allow students a great deal of flexibility in choosing courses to fit their interests.

Students who are minoring in Mathematics take foundational coursework in calculus and linear algebra. The rest of the math minor requirements can be completed by each student to complement any major field of study. Students do not have to complete courses in any specific order but must abide by course prerequisites. Students who are planning a minor in Mathematics may seek advice from [Dr. Nalin Fonseka](#) on course selection and which semester courses are offered.

Students must achieve at least a C- in each minor course and an overall minor GPA of 2.0.

Courses

Required Courses (9 credit hours)

GC 205 - Calculus I	3 Credit Hours
GC 206 - Calculus II	3 Credit Hours
MA 205 - Calculus III	3 Credit Hours

Select a course (Choose 3 credit hours)

MA 310 - Linear Algebra	3 Credit Hours
MA 320 - Discrete Mathematics	3 Credit Hours

Electives (Choose 6 Credit Hours)

MA 305 - Calculus IV	3 Credit Hours
MA 330 - Graph Theory	3 Credit Hours
MA 315 - Ordinary Differential Equations	3 Credit Hours
MA 325 - Introduction to Abstract Algebra	3 Credit Hours
MA 329 - Number Theory	3 Credit Hours
MA 417 - Linear Programming	3 Credit Hours
MA 418 - Geometry for College Teachers	3 Credit Hours
MA 415 - Numerical Analysis	3 Credit Hours
MA 425 - Mathematical Analysis I	3 Credit Hours
MA 426 - Mathematical Analysis II	3 Credit Hours
MA 410 - Partial Differential Equations	3 Credit Hours
MA 416 - Functional Analysis	3 Credit Hours
MA 405 - Complex Analysis	3 Credit Hours