MATHEMATICS, BS

Introduction
Please click here (http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/mathematical-statistical-sciences/) to see Mathematical and Statistical Sciences department information.

These degree requirements are subject to periodic revision by the academic department, and the College of Liberal Arts and Sciences reserves the right to make exceptions and substitutions as judged necessary in individual cases. Therefore, the College strongly urges students to consult regularly with their major advisor and CLAS advisor to confirm the best plans of study before finalizing them.

Program Delivery
• This is an on-campus program.

Declaring This Major
• Click here (http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/#policies) to go to information about declaring a major.

General Requirements
To earn a degree, students must satisfy all requirements in each of the three areas below, in addition to their individual major requirements.

• CU Denver General Graduation Requirements (http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation/)
• CU Denver Core Curriculum (http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation-undergraduate-core-requirements/)
• College of Liberal Arts & Sciences Graduation Requirements (http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/#graduationrequirements)
• Click here (http://catalog.ucdenver.edu/cu-denver/undergraduate/academic-policies-procedures/) for information about Academic Policies

Program Requirements
1. Students must complete a total of 45 credit hours, including a minimum of 42 MATH credit hours.
2. Students must complete at least 30 upper-division (3000-level and above) credit hours in the major.
3. Students must earn a minimum grade of C- (1.7) in all courses that apply to the major and must achieve a minimum cumulative major GPA of 2.25. All graded attempts in required and elective courses are calculated in the major GPA. Courses taken using P+/P/F or S/U grading cannot apply to major requirements.
4. Students must complete a minimum of 15 upper-division level MATH credit hours with CU Denver faculty.

2. Students may not use any of the following MATH courses to count toward major requirements:
   • MATH 3041 Fundamental Mathematics: Algebra, Probability and Data Analysis
   • MATH 3195 Linear Algebra and Differential Equations
   • MATH 3511 Mathematics of Chemistry
   • MATH 3800 Probability and Statistics for Engineers
   • MATH 4830 Applied Statistics

Code  Title  Hours
Complete the following program requirements:  45
MATH 1376  Programming for Data Science  3-4
CSCI 1410  Fundamentals of Computing & CSCI 1411  Fundamentals of Computing Laboratory
Complete all of the following required Mathematics courses:  27
MATH 1401  Calculus I
MATH 2411  Calculus II
MATH 2421  Calculus III
MATH 3000  Introduction to Abstract Mathematics
MATH 3191  Applied Linear Algebra
MATH 3382  Statistical Theory
MATH 4310  Introduction to Real Analysis I
MATH 4779  Math Clinic
or MATH 6330 Workshop in Statistical Consulting
Complete five MATH elective courses (at least 15 credit hours) above the 3000 level, excluding MATH 3041, MATH 3195, MATH 3511, MATH 3800, MATH 4015, and MATH 4830.  15

To learn more about the Student Learning Outcomes for this program, please visit our website (https://clas.ucdenver.edu/mathematical-and-statistical-sciences/undergraduate-goals-and-objectives/).

To review the Degree Map for this program, please visit our website (https://www.ucdenver.edu/student/advising/undergraduate/degree-maps/clas/).