Applied Mathematics, B.S.

[amath.colorado.edu/]

Transfer Credit and Contact Information:

- Visit the Office of Admissions to see how your individual courses will transfer to CU-Boulder: [http://www.colorado.edu/admissions/undergraduate/apply/transfer/transfercredit](http://www.colorado.edu/admissions/undergraduate/apply/transfer/transfercredit)
- The College of Engineering and Applied Science transfer student webpage is a good course and contact resource: [http://www.colorado.edu/engineering/admissions/transfer/co-community-colleges](http://www.colorado.edu/engineering/admissions/transfer/co-community-colleges)

College of Engineering and Applied Science Admissions Criteria:

- For guaranteed admission, transfer applicants from a Colorado Community College should have a minimum cumulative GPA of 3.30, with at least 24 credit hours completed.
- Grades earned in individual mathematics, science, engineering, and language arts courses must all be “B” or higher.
- Students must have completed at least two semesters of college-level calculus, AND two semesters of calculus-based physics and/or college-level chemistry, to be considered for admission.
- Students who do not meet the above requirements, but whose credentials are close, should see the competitive transfer criteria listed at: [www.colorado.edu/admissions/undergraduate/apply/transfer/admissioncriteria](http://www.colorado.edu/admissions/undergraduate/apply/transfer/admissioncriteria)
- For more details, see the Office of Admissions web site for transfer students at [www.colorado.edu/admissions/undergraduate/apply/transfer](http://www.colorado.edu/admissions/undergraduate/apply/transfer)

Program Overview:

The principal focus of a major in Applied Mathematics is to improve a student’s mathematical, computational, and communication skills. The focus is on modeling problems from a variety of areas including business, engineering and science.

The use of computational methods and implementation of algorithms on computers is central. Required technical electives should be selected after consultation with an Applied Mathematics advisor. They may be chosen from: mathematics, engineering, physics, chemistry, computer science, biology, astrophysics, geology, economics, finance and accounting. In general, non-technical electives should be broadening and have multicultural value.

Special Curriculum Notes:

- All prerequisite courses require a C- or better.
- There is an option for an Applied Math minor regardless of a student’s major.
  - For additional information about the Undergraduate Applied Math Major or Minor, visit: [http://amath.colorado.edu/content/undergraduate-program](http://amath.colorado.edu/content/undergraduate-program)