

# DEPARTMENT OF MATHEMATICS

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The Department of Mathematics has always embraced a broad view of its mission, which includes leadership in the classical fields of Algebra, Analysis, Applied Mathematics, Geometry, and Probability, as well as cutting-edge interdisciplinary research involving the other Sciences. The department offers a Data Analytics Minor and Certificate to all majors to build industry-valued skills in a rapidly growing multidisciplinary field of Data Science. We emphasize the art of teaching as well as the cultivation of the next generation of Mathematics teachers, and we engage in outreach to our local and state communities.

The Department of Mathematics prides itself on student-centered instruction. We love finding opportunities to work individually with students and engaging them in our research and creative efforts. Our students have been cited in the College Mathematics Journal for their solutions to challenging problems. Other students have worked on research projects with our faculty and presented their work at regional conferences. Every year a section of our students participate in the Putnam competition. Our students enjoy socializing in Math Society—a club for students interested in mathematics and computer science.

Recent graduates of our programs have started careers as actuaries, defense industry experts, high school teachers, and programmers/analysts. Others have gone on to graduate school in mathematics. Graduates of each program will cultivate the capabilities for presenting logical arguments, thinking abstractly, and formulating and solving problems. These attributes prepare the student for a lifetime of continuous advancement.

The Department of Mathematics offers the following degrees:

- Mathematics (BS) (<https://catalog.columbusstate.edu/academic-units/letters-sciences/mathematics/mathematics-bs/>)
- Mathematics (BS) - Applied Mathematical Sciences (<https://catalog.columbusstate.edu/academic-units/letters-sciences/mathematics/mathematics-applied-mathematics-sciences/>)
- Mathematics (BS) - Applied Mathematics Concentration (<https://catalog.columbusstate.edu/academic-units/letters-sciences/mathematics/mathematics-applied-mathematics-concentration/>)
- Mathematics (BS) - Secondary Education Concentration (<https://catalog.columbusstate.edu/academic-units/letters-sciences/mathematics/mathematics-secondary-education-concentration/>)
- Mathematics (BS)-General Track/ ([https://catalog.columbusstate.edu/academic-units/letters-sciences/mathematics/Mathematics \(BS\)-General Track/](https://catalog.columbusstate.edu/academic-units/letters-sciences/mathematics/Mathematics%20(BS)-General%20Track/))