

What can I do with this major: Mathematics

Mathematics is the study of shape, quantity, pattern, and arrangement. Math is all around us, in everything we do. It is the building block for everything in our daily lives, including mobile devices, computers, software, architecture, sports, and even art. Numbers, letters, and symbols constitute the language of mathematics and, as in any language, are used to convey ideas and relationships. Through courses such as Statistics, Linear Algebra, Calculus, and Differential Equations, students will enhance their problem solving and critical thinking while gaining a fundamental knowledge of Mathematics and its relation to science, technology, engineering, and the world.

Degrees and Certificates offered at AVC

- ❖ [Mathematics - AST](#) (transferable)

Work Industries and Employers

- ❖ Industries: Manufacturing, transportation, Aerospace, computer science
- ❖ Electrical equipment
- ❖ Pharmaceuticals
- ❖ Consulting firms
- ❖ Market research firms
- ❖ Federal agencies including Defense, Labor, NASA, Justice
- ❖ Consumer goods manufacturing firms
- ❖ Commercial banks
- ❖ Colleges and universities

Possible Job/Career Titles

Bachelor Degree:

- ❖ Actuary
- ❖ Assessor
- ❖ Auditor
- ❖ Biometrician
- ❖ Budget Analyst
- ❖ Financial Analyst
- ❖ Investment Analyst
- ❖ Controller
- ❖ Computer Programmer
- ❖ Demographer

Advanced Degree:

- ❖ Econometrician
- ❖ Engineering Analyst
- ❖ Data Scientist
- ❖ Epidemiologist
- ❖ Management Scientist
- ❖ Mathematician
- ❖ Operations Researcher
- ❖ Statistician
- ❖ Urban Planner
- ❖ Professor

The information reflected is intended to act as a tool for exploration. Please visit the [Career Center](#) for more specific information on majors and careers



Next Steps...

Connect with Professional Associations

Associations are a group of people who come together for a common purpose. You can find helpful information about jobs and careers.

- ❖ [American Mathematical Society \(AMS\)](#)
- ❖ [Environmental Career Opportunities, Inc.](#)
- ❖ [Mathematical Association of America \(MAA\)](#)
- ❖ [Society for Industrial and Applied Mathematics \(SIAM\)](#)

Find CSU/UC Major Preparation (BA/BS)

- ❖ [CSU Northridge: Mathematics B.S. \(Options in Applied Mathematics, and Statistics\)](#)
- ❖ [CSU Northridge: Mathematics B.A. \(Secondary Teaching\)](#)
- ❖ [CSU Los Angeles: Mathematics B.A. with applied Mathematics Option](#)
- ❖ [CSU Channel Islands: Mathematics B.S. with a concentration in Actuarial Science/Economics](#)
- ❖ [UCLA: Mathematics B.S.](#)
- ❖ ... and more! - <https://www.transferbound.com/>

Develop your Skills and Experience

- ❖ [AVC STEM Club](#)
- ❖ Jobs and Internships ([College Central Network](#))
- ❖ [Society for Industrial and Applied Mathematics Internships](#)
- ❖ [Society for Industrial and Applied Mathematics Programs and Initiatives](#)

View Additional Information

- ❖ [Occupational Outlook Handbook](#)
- ❖ [Candid Career Videos](#)
- ❖ [Assist](#): Student Transfer Information System
- ❖ [ONET](#) OnLine: Job and Career Exploration
- ❖ [Linkedin Alumni Tool](#)
- ❖ [Transfer Schools](#)