

APPLIED MATHEMATICAL SCIENCES, B.S.

UNIVERSITY OF CALIFORNIA
MERCED
SCHOOL OF
NATURAL SCIENCES



WHY APPLY TO APPLIED MATHEMATICAL SCIENCES, B.S.?

What do climate change predication, artificial intelligence, data science, and self-driving cars all have in common? Their study requires knowledge of calculus, linear algebra, and computing. A degree in Applied Mathematics from UC Merced will help prepare you for careers like these in cutting-edge technology that can make a difference in our society. Our Applied Mathematics major offer the following emphasis tracks:

- computational and data science
- computational biology
- computer science
- economics
- engineering
- environmental science
- physics
- or design your own

to enable you to pursue the careers of your dreams!

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APPLIED MATHEMATICAL SCIENCES, B.S.



Mathematics has been a central feature of humanity's intellectual achievements over the past several centuries. Its role in the physical sciences and engineering is well established and continues to aid in their development. Moreover, mathematics is becoming a more and more important tool in the study of social and life sciences. The field of Applied Mathematics is undergoing remarkable growth.

Alumni Placement

- ▶ Spotify
- ▶ Gallo
- ▶ Workday
- ▶ Boeing
- ▶ Instagram
- ▶ Northrop Grunman
- ▶ Livermore National Lab
- ▶ Goldman Sachs
- ▶ Graduate programs
- ▶ Medical School
- ▶ Yosemite National Park

Job/Career Prospects

- ▶ Data Scientists
- ▶ Actuary
- ▶ Biostatistician
- ▶ Software Engineer
- ▶ Market Research Analyst
- ▶ Financial Analyst
- ▶ Aerospace Engineer
- ▶ Economist
- ▶ Statistician
- ▶ College Math Professor
- ▶ K-12 Teacher



ALUMNI SPOTLIGHT

Thomas Rodriguez

B.S. '21

I am currently working towards a M.S. in Applied Mathematics at SDSU, where I am teaching calculus and conducting research on the Spatio-Temporal Dynamics of SARSCoV-2 in the San Diego metropolitan area.

My time as an undergraduate in the Applied Mathematics department at UC Merced has provided me with a foundation to expand my horizons and knowledge base within the realm of mathematics through research and teaching.

In helping students understand the mathematical concepts beyond computations while conducting research, I have learned that the learning process is both humbling and limitless.

\$93,170

was the medial salary for math occupations according to the Bureau of Labor Statistics (May 2020)

STUDENT-FACULTY RATIO



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