

Data Science Programs at UC Merced

Data Science and Analytics

- Bachelor of Arts Degree
- No additional mathematics courses
- Also take Introductory Economics or Cognitive Science; Introductory Entrepreneurship or Design Thinking; and Technical Communications & Visualization courses, among others.
- Can choose from Application Domains in *Business Analytics; the Environment and Sustainability; Policy and Decision Making; or Understanding and Modeling People*
- A year-long capstone project where students work in teams to apply advanced methods of interactive data visualization and machine-learning to address real-world problems

In both programs, you will:

- Take Calculus I & Calculus II
- Take courses in Data Science, Introduction to Computing, Statistics, and Data Science Ethics
- Gain deeper knowledge in a specialized area of your choice
- Acquire skills that are highly sought after in the job market

Data Science and Computing

- Bachelor of Science Degree
- Also take Linear Algebra
- Also take Machine Learning; Intermediate Computing & Statistical Programming for Data Scientists; and Computational and Inferential Depth courses, among others.
- Emphasis Tracks in *Applied Mathematics; Biology; Chemistry; Environmental Systems Science; Materials Science & Engineering; Physics* or design your own!
- Multilinguistic training in R and Python through a JupyterHub, a collaborative and active learning environment for writing and sharing code, text and visualizations