



SAN DIEGO STATE
UNIVERSITY
Global Campus

Advanced Certificate in Data Science

Labor Analysis Data Scientist – Nationwide



Job Postings
39,539 Last
12 months



Projected Growth
+19% Over 10 years



Salary Range
\$84,000–\$142,000

Want to Learn More?

For more information, please contact your Student Service Coordinator at **(619) 594-7700** or globalcampus@sdsu.edu.

Meet the Growing Demand for Big Data Professionals

The rapid rise of Big Data and the data economy has created a rapidly-growing job market for data scientists that's projected to increase by nearly 20% over the next decade. To help you meet this demand and stand out in an increasingly-crowded field, San Diego State University is excited to introduce the Advanced Certificate in Data Science program.

Program Highlights

- 100% online
- Graduate-level courses led by expert SDSU instructors
- Prepare for graduate school or a career in data science
- Timely course topics focus on what employers are looking for
- Earn your graduate certificate in just 10 months

Four Courses, One Unique Graduate Certificate

Mathematical Statistics for Data Science

- Probability concepts and models
- Sampling distributions
- Central limit theorems
- Statistical estimators and inferences

Database Management and Predictions

- Database management and creation
- SQL
- Regression analysis
- Classifications

Statistical and Machine Learning Methods

- Data mining
- Model selection and regularization
- Generalized additive models
- Neural nets

Advanced Data Analytics

- Generalized linear models
- Nonlinear models for regression
- Time series
- Spatial models