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

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.