WOZ U

DATA SCIENCE

THE DIPLOMA

The Data Science program prepares students for an entry-level career in data science.

WHAT YOU'LL LEARN

- SQL
- Programming in Python
- Statistical Programming in R
- Tableau
- Big Data
- Machine Learning
- Data modeling
- Agile and Waterfall project management

WHAT YOU'LL GET

- Practical skills and work habits to be successful in entry-level data science roles.
- Receive job placement assistance including resume building, interview training and help identify relevant positions in related fields.
- Access to create a virtual profile on our exclusive employment networking platform.
- Hands-on experience.

THE WOZ U EDGE

QUALITY CONTENT

- Created by Industry Experts & Employers
- Curriculum created by industry experts for employers and vetted by Department of Education accreditors for rigor and outcomes with instructors meeting college level standards.

CAREER SERVICES

- Resume Building
- Interview Training
- Job Placement Assistant
- Electronic Career Profile
- Digital Badges
- Employer/Alumni
- Connections

IN-PERSON COACH

- Admissions coach
- Financial Aid Coach
- Instructors
- Career Services Coach
- Assigned Mentor
- Student Ambassadors

WOZ U EDGE BENEFITS

33 Weeks of Program Training

0 Unnecessary Classes

✓ WOZ U For Life

FINANCIAL AID & MILITARY ASSISTANCE AVAILABLE*
EDUCATION IS AFFORDABLE!

Women In Tech

Military Grant

Agency Sponsor Grant

Interest Free Payments Pay in Full Options

Montgomery GI Bill College & Education Assistance®

Vocational Rehabilitation

Post-Vietnam Veteran Education Assistance Program

Post 9/11 GI Bill® Education Assistance

Dependents' Educational Assistance

Selective Reserve Option of MGIB

Reserve Educational Assistance Program

* FOR THOSE WHO QUALIFY

Code	Title	Details
DSO101	BASIC STATISTICS	■ Complete t-tests & Chi-Squares in MS Excel ■ Learn about the normal distribution, hypothesis testing, & Type I & II error ■ Compute basic probability
DSO102	STATISTICAL PROGRAMMING IN R	■ Complete t-tests, simple linear regression, & correlations in R ■ Learn about data types, data structures, & for loops in R ■ Utilize data wrangling library dplyr & data visualization package g gplot2
DSO103	METRICS & DATA PROCESSING	■ Learn how to create & utilize KPIs ■ Create your own evidence-based survey ■ Perform survey validation in R ■ Utilize Agile project management ■ Understand Waterfall project management
DSO104	DATA WRANGLING & VISUALIZATION	■ Perform data wrangling in Python & R ■ Complete data recoding in Python & R ■ Visualize data in Tableau, Python, & R ■ Create infographics ■ Learn how to choose the appropriate statistical test
DSO105	INTERMEDIATE STATISTICS	■ Perform t-tests, Chi-Squares, & correlations in Python ■ Learn how to normalize data ■ Complete Independent, Goodness-of-Fit, & McNemar Chi-Squares in R ■ Perform ANOVAs, ANCOVAs, & MANOVAs in R ■ Determine sample size based on power calculations
DSO106	MACHINE LEARNING & MODELING	■ Perform linear, non-linear, & logistic regression modeling in Python & R ■ Utilize machine learning models including k-means, decision trees, random forests & Bayesian networks in Python ■ Learn Natural Language Processing in Python
DSO107	INTRODUCTION TO BIG DATA	■ Learn about the Hadoop ecosystem ■ Use Hive, Pig, & Spark for big data analytics ■ Utilize Amazon Web Services for additional cloud computing
DSO108	DATABASE FOUNDATIONS	■ Query databases & join tables in MySQL ■ Query documents in NoSQL using MongoDB
DSO109	PROGRAMMING FOUNDATIONS IN PYTHON	■ Learn object-oriented programming in Python ■ Utilize Jupyter Notebooks, Pandas and NumPy to complete data science tasks in Python ■ Understand data types, data structures, & for loops in Python
DSO110	GROUP FINAL PROJECT	■ Use machine learning, modeling, or advanced statistics to extract meaningful information from a dataset of your choosing ■ Utilize Agile project management skills to stay on task ■ Present your final project in front of peers &/or potential employers to showcase your work
DSO111* *not graded; just a bonus course	CAREER SKILLS	■ Create a data-science focused resume ■ Polish your social media profile & networking skills ■ Learn how to ace technical interviews ■ Begin building your data science portfolio

DSO101 DSO102 DSO103
DSO104 DSO105 DSO106
DSO107 DSO108 DSO109
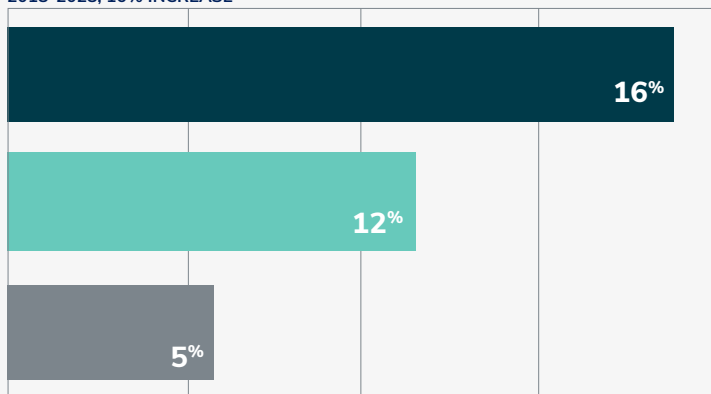DSO110 DSO111

JOBS YOU CAN GET

■ Computer & Information Research Scientists
■ Robotics
■ Programming
■ Database Administrators
■ Computer Network Architects Design

TOP EMPLOYERS HIRE OUR GRADUATES

Hertz® · Collins Aerospace · Vanguard®

Projected JOB GROWTH in the Data Science Field

2018-2028, 16% INCREASE

16%

12%

5%

STAT SOURCE: BLS.GOV · 16% (MUCH FASTER THAN AVERAGE)

"I now have a renewed love of coding. Woz U has reawakened my desire and enjoyment of learning new things."
- *Richard Charay, Woz U Graduate*

SPEAK WITH AN ADMISSION ADVISOR TODAY!

Woz U is a diverse ecosystem that empowers Individuals (Learners), Higher Education and Corporations to overcome the talent and skill gaps plaguing the technology industry today and in the future.