

DATA SCIENCE

The Data Science curriculum prepares students for an entry-level career as a Data Scientist or Data Analyst. You could graduate from this program in 24 - 33 weeks if you attend full-time. The program includes training in Statistics, Computer Programming, Data Visualization, Data Modeling, Big Data and Machine Learning.

IN THE CLASSROOM

WHAT YOU'LL LEARN IN THE PROGRAM

- Understand the basic foundations of statistical and computational techniques to derive meaningful business insights from data within any industry
- Earn up to twelve nanocredentials to demonstrate proficiency in data science and analysis
- Practical introduction to scripting, data manipulation and visualization
- Understanding and converting Big Data to meet business needs

AFTER GRADUATION

WHAT YOU'LL GET AS A WOZ U GRAD

- A certificate of completion along with practical skills necessary for a career in Data Science and Data Analysis
- Comprehensive career services including building a resume, interview training, and help identifying relevant positions
- Access to create a virtual profile on our exclusive digital employment networking platform, Woz U Connect
- Ongoing access to Woz U Data Science curriculum through our Coder For Life program

RELATED JOB TITLES: Data Scientists, Data Analyst, Data Engineer or Business Analyst

HARDWARE REQUIREMENTS: Students must have a computer with an Intel 6th Generation Core i5, 8 GB RAM at a minimum

THE **WOZ U** EDGE

NANOCREDENTIALS

These credentials are essential and have been identified by our employer partners as key skills necessary to be successful. Our Employer Advisory Board meets twice a year to notify us of changes in their industry and where to update our curriculum.

CAREER SERVICES

Our Career Services Department have a list of employer partners who know and love Woz U grads. We've also built an exclusive platform called Woz U Connect for students and graduates to connect directly with employers, create interactive video profiles, and apply for jobs.

IN YOUR CORNER

Even within our virtual courses, our staff is dedicated to our students, their success and helping them land the job they're truly passionate about. Our faculty are always available to help you through those hard courses and exams.

DATA SCIENCE PROGRAM

CLASS CONCEPTS

MAIN AREAS OF STUDY

Basic Statistics

Probability, Data Types, Common Distributions, Common Descriptive Statistics and Statistical Inference

Databases

Foundational knowledge of database concepts, theory, and overview of various implementations and architectures

Programming Foundations

Programming Foundations in a language heavily used in data science

Statistical Programming

Basic scripting and data manipulation commands, introduction to a vast library of functions to perform various statistical analyses

Data Visualization

Data wrangling and manipulation to meet the rigid requirements for analysis, graphical representation of data

Metrics and Data Processing

Creation of new metrics to directly answer business questions, theory and practice of statistical process control

Intermediate Statistics

Hypothesis testing under multiple scenarios, identification and verification of data requirements for hypothesis testing

Introduction to Big Data

Foundational concepts of Big Data and how to move from Big Data basis to more business-specific needs and requirements

Machine Learning and Modeling

Determine the best methods for a given set of data, use of common software tools to utilize these methods

Project Capstone

Work as a team in a scrum environment to cover tasks and progress collectively and individually to meet project goals

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