

Chegg Skills

Data Science

 Part-time (20-30 hours/week)

 100% online

 Certificate of Completion

Introduction

Congratulations on taking a major step in advancing your career. In this program, you'll learn key skills that employers identify as critically needed for entry-level practitioners in this growing field.

As a member of the Chegg family, we are always Student First. Backed by one of the largest ed tech companies in the world, we're committed to giving you the skills and learning support you need to grow professionally.

This program is designed for anyone who has some data experience and is ready to progress their career. You'll learn the coding languages, algorithms, and frameworks that Data Scientists use every day.



Here's what you need to know:

- **Program Length:** 6 months (26 weeks)
- **Time Commitment:** Part-time (20-30 hours/week)
- **Instructional Type:** Online
- **Class Schedule:** Independent study and one 30-minute 1-on-1 mentor session each week
- **Credential Awarded:** Certificate of Completion

The minimum expected time commitment for this program ranges from 20-30 hours/week. This includes your required 1-on-1 mentor session each week. Within this self-paced course, some students may progress more quickly than others.

About the Program

Our Data Science program teaches you to use math and coding to solve complex business problems and predict future outcomes. You'll practice using Python and SQL to analyze big datasets fast, and also learn about machine learning models and algorithms. You'll apply your skills along the way with hands-on capstone projects.

This program covers 5 high-level objectives:

- 1 The tools of the modern Data Scientist
- 2 Supervised machine learning
- 3 Unsupervised machine learning
- 4 Popular specialization topics in Data Science
- 5 Get hired as a Data Scientist

Course 1

Fundamentals

Your high-level introduction to Python, SQL, and A/B testing.

Modules include:

- The Way of the Data Scientist
- Programming Fundamentals
- Accessing Data
- Introducing Pandas
- Intermediate Statistics in Python
- SQL Foundations 1: Relational Databases and Basic Querying
- SQL Foundations 2: Aggregating and Grouping Data
- SQL Foundations 3: Joining Data
- Experimental Design & A/B Testing
- Capstone 1: Experimental Design

How You'll Apply These Skills:

This course walks you through the foundational pillars of modern Data Science: programming and statistical analysis in Python, sourcing and analyzing data, working with SQL databases, experimental design, and A/B testing.

Course 2

Supervised Learning

A more in-depth look at machine learning, and the skills you need to build supervised learning models.

Modules include:

- Model Preparation
- Classification Problems
- Regression Problems
- Similarity Models
- Random Forest Models
- Support Vector Machines
- Boosting Models
- Capstone 2: Supervised Learning

How You'll Apply These Skills:

Dive into the details of machine learning. You'll explore the most common supervised learning methods, which you'll ultimately need to know in interviews and on the job. You'll practice model prep, solving classification and regression problems, Random Forest models, and more.

Course 3

Unsupervised Learning

Learn the underlying concepts and tools for more advanced unsupervised machine learning models.

Modules include:

- Clustering
- Capstone 3: Unsupervised Learning

How You'll Apply These Skills:

Start applying the most widely used techniques in unsupervised learning. You'll learn clustering and dimensionality reduction as you explore algorithms for analyzing unlabeled datasets. Plus, we'll help you talk about those skills and prepare for technical interview questions.

Course 4

Specialization Topics

An overview of some of the specializations within Data Science.

Modules include:

- Intro to Big Data
- Time Series Analysis
- Deep Learning
- Capstone 4: Final Project

How You'll Apply These Skills:

In this final course of the program, you'll explore the differences between some of the most popular Data Science specializations. We'll help you understand what it means to focus on Big Data, Time Series Analysis, or Deep Learning models, so you can start mapping out a more defined career plan.

Career Services

Career-specific skills are part of your journey. After all, you're here not only to learn new skills, but to grow professionally. That's why we include a host of resources that are aimed at career advancement.

Your program includes career guidance on:

1 Nailing your interviews

2 Crafting the perfect resume

3 Polishing your LinkedIn profile

4 Salary and negotiations

5 Building your professional network

FAQs

What is the experience level for Program Instructors?

Instructors are chosen based on their academic credentials, relevant industry experience, and teaching ability. Chegg Skills collects weekly feedback from students and staff in order to evaluate the quality of each program. Chegg Skills also considers industry demand for particular skill sets and success rates with each program. They look for areas of improvement, ensuring that each program has successful outcomes that match Chegg Skills mission.

The minimum requirements to serve as a mentor, technical expert, or instructor for all Chegg Skills programs are:

- 3+ years of relevant industry experience
- Demonstration of genuine student advocacy and empathy for beginners
- Exceptional written and verbal communication skills

What is the experience level for mentors? Can I choose my own?

Mentors are assigned by Chegg Skills based on fit and availability. The minimum requirements to serve as a mentor are 3+ years of relevant industry experience, demonstration of genuine student advocacy, empathy for beginners, and exceptional written and verbal communication skills.

What support do you offer students during the program?

You are fully supported from the moment you start learning, with a comprehensive, personalized approach to your success that means that while you're learning online, you're never alone. Regardless of the program you choose, you'll be assigned a mentor who's focused on helping you understand the material and excel in the program.

Do I need a computer to take the course?

Chegg Skills programs require a computer with high-speed internet access and video capability, including a webcam, a microphone, and speakers. Every student must own or have access to a personal computer with at least:

- 16GB RAM
- At least 2.0 GHz processor
- At least 256 GB HD

Computers must be available prior to the first day of class. Headphones are highly recommended. Macs must have the most current OS version installed, and PCs must be using either Windows 10 (or newer Windows operating systems) or a current version of a Linux operating system.

Chegg Skills

**Apply for the
Part-Time
Data Science
Program today.**

Kickstart your path to a new career here.