Certified Data Science Practitioner (CDSP)

Category: AI, Data & Analytics | **Vendor:** CertNexus

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Certified Data Science Practitioner (CDSP)
Related Exam:	DSP-110

Course Overview

For a business to thrive in our data-driven world, it must treat data as one of its most important assets. Data is crucial for understanding where the business is and where it's headed. Not only can data reveal insights, it can also inform—by guiding decisions and influencing day-to-day operations. This calls for a robust workforce of professionals who can analyze, understand, manipulate, and present data within an effective and repeatable process framework. In other words, the business world needs data science practitioners. This course will enable you to bring value to the business by putting data science concepts into practice. This course includes hands on activities for each topic area.

About This Course

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Who Should Attend

This course is designed for business professionals who leverage data to address business issues. The typical student in this course will have several years of experience with computing technology, including some aptitude in computer programming.

Prerequisites & Entry Requirements

General Prerequisites:

To ensure your success in this course, you should have at least a high-level understanding of fundamental data science concepts, including, but not limited to: types of data, data science roles, the overall data science lifecycle, and the benefits and challenges of data science. You can obtain this level of knowledge by taking the CertNexus DSBIZ™ (Exam DSZ-110) course.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Use data science principles to address business issues. Apply the extract, transform, and load (ETL) process to prepare datasets. Use multiple techniques to analyze data and extract valuable insights. Design a machine learning approach to address business issues. Train, tune, and evaluate classification models. Train, tune, and evaluate regression and forecasting models. Train, tune, and evaluate clustering models. Finalize a data science project by presenting models to an audience, putting models into production, and monitoring model performance.

Detailed Course Outline

1 - Addressing Business Issues with Data Science

- Topic A: Initiate a Data Science Project
- Topic B: Formulate a Data Science Problem

2 - Extracting, Transforming, and Loading Data

- Topic A: Extract Data
- Topic B: Transform Data
- Topic C: Load Data

3 - Analyzing Data

- Topic A: Examine Data
- Topic B: Explore the Underlying Distribution of Data
- Topic C: Use Visualizations to Analyze Data
- Topic D: Preprocess Data

4 - Designing a Machine Learning Approach

- Topic A: Identify Machine Learning Concepts
- Topic B: Test a Hypothesis

5 - Developing Classification Models

- Topic A: Train and Tune Classification Models
- Topic B: Evaluate Classification Models

6 - Developing Regression Models

- Topic A: Train and Tune Regression Models
- Topic B: Evaluate Regression Models

7 - Developing Clustering Models

- Topic A: Train and Tune Clustering Models
- Topic B: Evaluate Clustering Models

8 - Finalizing a Data Science Project

- Topic A: Communicate Results to Stakeholders
- Topic B: Demonstrate Models in a Web App
- Topic C: Implement and Test Production Pipelines

📜 Certification Path

Certified Data Science Practitioner (CDSP)

Exam: DSP-110

Upcoming Schedule

Available training dates for Certified Data Science Practitioner (CDSP):

Start Date	End Date	Location	Delivery	Price
11 Jan 2027	15 Jan 2027	Online	Virtual	€3,495.00

Frequently Asked Questions

Q: What delivery options are available for Certified Data Science Practitioner (CDSP)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Certified Data Science Practitioner (CDSP) course helps prepare you for the Certified Data Science Practitioner (CDSP) certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the DSP-110 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day Certified Data Science Practitioner (CDSP) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Certified Data Science Practitioner (CDSP) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Certified Data Science Practitioner (CDSP)?

Yes, we provide corporate training, dedicated training, and closed classes for Certified Data Science Practitioner (CDSP). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Certified Data Science Practitioner (CDSP)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Certified Data Science Practitioner (CDSP) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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