

CertNexus Certified Data Science Practitioner (DSP-110)

Course Outcomes:

Apply data science techniques to solve business problems.

Process and analyze data for meaningful insights.

Develop machine learning models for classification, regression, and clustering.

Evaluate and communicate the results of data science projects.

Lesson 1: Addressing Business Issues with Data Science

Topic A: Initiate a Data Science

Topic B: Formulate a Data Science

Lesson 2: Extracting, Transforming, and Loading Data

Topic A: Extract Data

Topic B: Transform Data

Topic C: Load Data

Lesson 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

Lesson 4: Designing a Machine Learning Approach

Topic A: Identify Machine Learning Concepts

Topic B: Test a Hypothesis

Lesson 5: Developing Classification Models

Topic A: Train and Tune Classification Models

Topic B: Evaluate Classification Models

Lesson 6: Developing Regression Models

Topic A: Train and Tune Regression

Topic B: Evaluate Regression

Lesson 7: Developing Clustering Models

Topic A: Train and Tune Clustering

Topic B: Evaluate Clustering

Lesson 8: Finalizing a Data Science Project

Topic A: Communicate Results to Stakeholders

Topic B: Demonstrate Models in a Web

Topic C: Implement and Test Production Pipelines