Course Title	CERTIFIED ARTIFICIAL INTELLIGENCE PRACTITIONER [CAIP]
Exam Codes	AIP-110
Delivery Method	Online – On-Site
Duration	5 Days
Target Candidate	The skills covered in this course converge on three areas—software development, applied math and statistics, and business analysis. Target students for this course may be strong in one or two or these of these areas and looking to round out their skills in the other areas so they can apply artificial intelligence (AI) systems, particularly machine learning models, to business problems. So the target student may be a programmer looking to develop additional skills to apply machine learning algorithms to business problems, or a data analyst who already has strong skills in applying math and statistics to business problems, but is looking to develop technology skills related to machine learning. A typical student in this course should have several years of experience with computing technology, including some aptitude in computer programming. This course is also designed to assist students in preparing for the CertNexus® Certified Artificial Intelligence (AI) Practitioner (Exam AIP-110) certification.
Course Objectives	• Specify a general approach to solve a given business problem that uses applied AI and ML. • Collect and refine a dataset to prepare it for training and testing. • Train and tune a machine learning model. • Finalize a machine learning model and present the results to the appropriate audience. • Build linear regression models. • Build classification models. • Build clustering models. • Build decision trees and random forests. • Build support-vector machines (SVMs). • Build artificial neural networks (ANNs). • Promote data privacy and ethical practices within AI and ML projects
Course Outline Summery	Lesson 1: Solving Business Problems Using AI and ML Topic A: Identify AI and ML Solutions for Business Problems Topic C: Formulate a Machine Learning Problem Topic D: Select Appropriate Tools

	Lesson 2: Collecting and Refining the Dataset Topic A: Collect the Dataset Topic B: Analyze the Dataset to Gain Insights Topic C: Use Visualizations to Analyze Data Topic D: Prepare Data Lesson 3: Setting Up and Training a Model Click here
Number of Items	80
Exam Duration	120 minutes (including 5 minutes for Candidate Agreement and 5 minutes for Pearson VUE tutorial)
Exam Options	In person at Pearson VUE test centers or online via Pearson OnVUE online proctoring
Passing Score	60%
Accreditations & Endorsements	Certification accredited by ANSI- ISO 17024