ITS Artificial Intelligence

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

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

Course Information

Delivery Format:	MentTBC
Certification:	ITS Artificial Intelligence
Related Exam:	ITS-AI

Course Overview

The Artificial Intelligence course part of the IT Specialist Certification covers the entire field of AI. From defining the AI problem that needs to be solved, managing the data, and building an AI model to solve it, to producing, deploying, and monitoring the model in an application. The course is specifically designed to train you for the IT Specialist Artificial Intelligence Certification. An IT Specialist Artificial Intelligence Certification is proof or your ability to understand AI concepts and use the tools necessary to create AI applications.

About This Course

The Artificial Intelligence course part of the IT Specialist Certification covers the entire field of AI. From defining the AI problem that needs to be solved, managing the data, and building an AI model to solve it, to producing, deploying, and monitoring the model in an application. The course is specifically designed to train you for the IT Specialist Artificial Intelligence Certification. An IT Specialist Artificial Intelligence Certification is proof or your ability to understand AI concepts and use the tools necessary to create AI applications.

Who Should Attend

This course should appeal to any student with the motivation to become an AI-enabled learner, as well as those who are curious about the professional applications of AI, ML, and associated technologies, and their use in research and career fields.

Learning Outcomes

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

In this course, you will prepare for the professional use of AI by identifying how AI can be used to solve problems. Describe the fundamentals of AI.Define the problem you want to resolve with AI.Extract and transform data to be ready to be analyzed.Analyze and visualize prepared data.Design an ML approach and test your hypothesis.Train and evaluate a classification model.Train and evaluate a regression model.Train and evaluate a cluster model.Launch an AI/ML project.Deploy and monitor an AI/ML model in production.

Detailed Course Outline

Lesson 1: Reviewing AI Fundamentals

- Topic A: AI Concepts.
- Topic B: Uses for AI.
- Topic C: Benefits of AI.
- Topic D: Challenges of AI.

Lesson 2: Defining the Problem for AI

- Topic A: Machine Learning Workflow.
- Topic B: Formulate the Machine Learning Problem.
- Topic C: Select AI/ML Tools.

Lesson 3: Accessing and Managing Data for AI

- Topic A: Collect and Assess Data.
- Topic B: Extract Data.
- Topic C: Transform Data.
- Topic D: Load Data.

Lesson 4: Analyzing Data

- Topic A: Examine Data.
- Topic B: Analyze Data Distribution.
- Topic C: Visualize Data.
- Topic D: Preprocess Data for AI and ML.

Lesson 5: Designing a Machine Learning Approach

- Topic A: Identify ML Algorithms.
- Topic B: Test a Hypothesis.

Lesson 6: Developing Classification Models

- Topic A: Select, Train, and Tune Classification Models.
- Topic B: Evaluate Classification Models.

Lesson 7: Developing Regression Models

- Topic A: Train Regression Models.
- Topic B: Regularize Regression Models.
- Topic C: Evaluate Regression Models.

Lesson 8: Developing Cluster Models

- Topic A: Train and Tune Cluster Models.
- Topic B: Evaluate Cluster Models.

Copyright ®© 2022 Pearson Education, Inc. or its affiliate(s). All rights reserved.

Lesson 9: Launching an AI/ML Project

- Topic A: Security and Privacy in AI/ML Projects.
- Topic B: Considerations for Ethical Use of AI/ML.
- Topic C: Communicate Results.

Lesson 10: Deploying and Monitoring an AI/ML Model in Production

- Topic A: Communicate Model Capabilities and Limitations.
- Topic B: Deploy and Test Models in Apps.
- Topic C: Support and Monitor AI/ML Solutions.

□□ Certification Path

ITS Artificial Intelligence

Exam: ITS-AI

Additional Course Details

Nexus Humans ITS Artificial Intelligence training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the ITS Artificial Intelligence course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for ITS Artificial Intelligence?

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 ITS Artificial Intelligence course helps prepare you for the ITS Artificial Intelligence certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the ITS-AI 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 ITS Artificial Intelligence 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 ITS Artificial Intelligence 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 ITS Artificial Intelligence?

Yes, we provide corporate training, dedicated training, and closed classes for ITS Artificial Intelligence. 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 ITS Artificial Intelligence?

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 ITS Artificial Intelligence training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 13/11/2026.