

# AI+ Pharma

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

**Duration:** 1.00 hours (1 days)

0.8 CPD Hours

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

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| <b>Delivery Format:</b> | vILT       |
| <b>Certification:</b>   | AI+ Pharma |
| <b>Related Exam:</b>    | AI-PHA     |

## Course Overview

AI+ Pharma™ uncovers how artificial intelligence is transforming every stage of the pharmaceutical lifecycle — from discovery and formulation to clinical operations and commercial decision-making. The course highlights how AI accelerates molecule screening, streamlines trial design, enhances regulatory workflows, and improves patient-centric strategies. Learners explore real-world applications such as digital biomarkers, predictive modeling, automation in R&D, and AI-powered pharmacovigilance.

## About This Course

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# Prerequisites & Entry Requirements

## General Prerequisites:

Basic Biology Knowledge – Understand fundamental human biology concepts

Pharmaceutical Fundamentals – Familiarity with drug development and approval processes

AI & ML Basics – Grasp core principles of artificial intelligence

Data Analytics Skills – Ability to interpret and analyze datasets

Ethical Awareness – Understand ethics in AI-driven healthcare applications

# Learning Outcomes

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

Understand AI applications across drug discovery, development, manufacturing, and commercialization

Analyze how machine learning models support molecule prediction, target identification, and formulation

Explore AI-driven innovations in clinical trial design, patient recruitment, and real-time analytics

Examine regulatory compliance, ethical considerations, and risk mitigation strategies in AI-enabled pharma

Apply AI tools and workflows to solve practical pharmaceutical challenges and optimize decision-making

## Detailed Course Outline

AI Foundations for Pharma

AI and Machine Learning Basics

AI Algorithms and Models

Use Case: Predictive Modeling for Adverse Drug Reactions and Drug-Drug Interactions Using Historical Patient Datasets

Hands-on: Build Predictive Models Using No-Code Tool (Teachable Machine)

AI in Drug Discovery and Development

AI in Molecular Drug Design

AI in Drug Repurposing

Use Case: AI-Driven Drug Repurposing Successes (COVID-19 Therapeutics)

Hands-On: Practical AI-Driven Molecular Design and Drug Repurposing Using Orange Data Mining Tool

Hands-On 2: Exploring Disease-Drug Associations with EpiGraphDB

Clinical Trials Optimization with AI

AI-Enhanced Patient Recruitment

Clinical Data Management and Monitoring

Use Case: Pfizer's AI-Driven Analytics for Optimizing Clinical Trials

Hands-on: Implementing Clinical Data Analytics Using No-Code Platforms (KNIME)

Precision Medicine and Genomics

Personalized Treatment Strategies

Biomarker Discovery

Case Study: AI-Assisted Biomarker Discovery and Validation in Cancer Treatments

Hands-on: Hands-On Genomic Analysis – Exploring AI-Driven Genomic Interpretation Using CBioPortal

Regulatory and Ethical AI in Pharma

Ethical Considerations and AI Governance

AI Compliance and Regulatory Frameworks

Case Study: Analyzing Ethical and Regulatory Challenges Encountered in Major AI-Driven Pharma Initiatives

Hands-on: Developing AI Governance Strategies Based on Ethical Frameworks

Hands-on: Literature Mining with LitVar 2.0

Implementing AI in Pharma Projects

## AI Project Management

### Evaluating AI Tools and ROI

### Hands-On: Practical AI Project Management Using Airtable for Tracking, Collaboration, and Management

### Future Trends and Sustainability in Pharma AI

### Emerging AI Technologies in Pharma

### AI for Sustainable Healthcare

### Case Study: Analysis of Sustainability Initiatives Driven by AI in Pharmaceutical Industry Leaders

### Hands-on: Scenario Planning and Predictive Analytics Using Dashboards for Future-Focused Decision Making

### Capstone Project

#### Capstone Project 1: Predictive Modeling for Adverse Drug Reactions in Polypharmacy

#### Capstone Project 2: AI-Enhanced Clinical Trial Recruitment and Retention

 **Certification Path**

AI+ Pharma

Exam: AI-PHA





# Frequently Asked Questions

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## **Q: What delivery options are available for AI+ Pharma?**

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
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## **Q: What certification does this course prepare me for?**

The AI+ Pharma course helps prepare you for the AI+ Pharma certification path.

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## **Q: Which exam does this course prepare me for?**

This course prepares you for the AI-PHA 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.

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## **Q: How many CPD hours does this course provide?**

The 1-day AI+ Pharma course provides up to 0.8 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the AI+ Pharma training?**

The training takes place over 1 day(s), with each day lasting approximately 1.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for AI+ Pharma?**

Yes, we provide corporate training, dedicated training, and closed classes for AI+ Pharma. 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.

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**Q: What related terms do people search for?**

Popular related searches include: AI+ Pharma, AI Certs, vILT

**Q: Why choose Nexus Human for AI+ Pharma?**

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 AI+ Pharma 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**

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