ITS Software Development

Category: Software Development & Programming | **Vendor:** Pearson

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Mentored

Certification: ITS Software Development

Course Overview

The software development course will explain the concepts, principles, and elements that are essential for a web application. These include algorithms, functional programming patterns, databases, and various programming languages. The students will also learn important software development principles required in the stages of software development. After completing the course, the students will be well prepared to enroll in more advanced software development training such as a software boot camp or computer science degree.

About This Course

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Who Should Attend

Designed for high school students and adults who wish to achieve a good understanding of what software development entails. The course will also help you investigate if software development is a desirable occupation and build a foundation for your software career. An employee involved in HR or management in a software development company can also benefit from this course as they will learn the terminology common among developers.

Prerequisites & Entry Requirements

General Prerequisites:

Candidates are expected to have some experience with C# and ANSI SQL.

Learning Outcomes

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

Upon successful completion of this course, students should be able to: Solve programming problems using algorithms and flowcharts. Understand the software development life cycle (SDLC). Translate project requirements into code deliverables. Correctly use encapsulation within classes for secure coding. Identify the elements within a website application architecture. Query a database.

Detailed Course Outline

Lesson 1: Core Programming Concepts

- Skill 1.1: Describe computer storage and data types.
- Skill 1.2: Construct and analyze algorithms and flowcharts to solve programming problems.
- Skill 1.3: Incorporate error handling into applications or modules.
- Skill 1.4: Construct and analyze code based on functional programming patterns.

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Lesson 2: Software Development Principles

- Skill 2.1: Describe software development life cycle (SDLC) management.
- Skill 2.2: Interpret application specifications.
- Skill 2.3: Construct and analyze code that uses algorithms and data structures.
- Skill 2.4: Describe the purpose of version control systems.
- Skill 2.5: Describe secure coding concepts.

Lesson 3: Object-Oriented Programming

- Skill 3.1: Construct, analyze, and use classes.
- Skill 3.2: Construct and analyze code that uses inheritance.
- Skill 3.3: Construct and analyze code that uses polymorphism.

Lesson 4: Web Applications

- Skill 4.1: Construct and analyze web applications.
- Skill 4.2: Describe and configure web hosting.
- Skill 4.3: Describe and configure web services.
- Skill 4.4: Describe and identify architectural patterns.

Lesson 5: Databases

- Skill 5.1: Design and normalize a database.
- Skill 5.2: Construct, analyze, and optimize ANSI SQL queries.
- Skill 5.3: Manage transactions.
- Skill 5.4: Describe database access methods.
- Skill 5.5: Describe types.

Additional Course Details

Nexus Humans ITS Software Development 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 Software Development 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 Software Development?

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 Software Development course helps prepare you for the ITS Software Development certification path.

Q: How many CPD hours does this course provide?

The 3-day ITS Software Development course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the ITS Software Development training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for ITS Software Development?

Yes, we provide corporate training, dedicated training, and closed classes for ITS Software Development. 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 Software Development?

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 Software Development 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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