

# CertNexus Certified Internet of Things Practitioner (CIoTP)

| **Vendor:** CertNexus

**Duration:** 24.00 hours (3 days)

**19.5 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Other

**Certification:** Certified Internet of Things Practitioner (CIoTP)

**Related Exam:** ITP-110

## Course Overview

In this course, you will learn general strategies for planning, designing, developing, implementing, and maintaining an IoT system through various case studies and by assembling and configuring an IoT device to work in a sensor network. You will create an IoT device based on an ESP8266 microcontroller, implementing various common IoT features, such as analog and digital sensors, a web-based interface, MQTT messaging, and data encryption. The instructor led course includes an exam voucher for the Certified Internet of Things Practitioner (CIoTP) exam (exam ITP-110).

## About This Course

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## Who Should Attend

This course is designed for IT professionals with baseline skills in computer hardware, software support, and development who want to learn how to design, develop, implement, operate, and manage Internet of Things devices and related systems. It is for those interested in learning more about embedded systems, microcontroller programming, IoT security, and the development life cycle for IoT projects.

While students will gain hands-on experience assembling a prototype IoT device and using software development tools, these activities are closely guided, so previous experience in electronics assembly and programming are not required. This course prepares students for taking the CertNexus Certified Internet of Things (IoT) Practitioner (Exam ITP-110).

# Learning Outcomes

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

In this course, you will learn how to apply Internet of Things technologies to solve real-world problems.

You will:

Construct and program an IoT device.

Communicate with an IoT device using wired and wireless connections.

Process sensor input and control an actuator on an IoT device.

Manage security, privacy, and safety risks on IoT projects.

Plan an IoT prototyping and development project.

## **Certification Path**

Certified Internet of Things Practitioner (CIoTP)

Exam: ITP-110

## Additional Course Details

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Nexus Humans CertNexus Certified Internet of Things Practitioner (CIoTP) 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 CertNexus Certified Internet of Things Practitioner (CIoTP) 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

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## **Q: What delivery options are available for CertNexus Certified Internet of Things Practitioner (CIoTP)?**

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 CertNexus Certified Internet of Things Practitioner (CIoTP) course helps prepare you for the Certified Internet of Things Practitioner (CIoTP) certification path.

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

This course prepares you for the ITP-110 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 3-day CertNexus Certified Internet of Things Practitioner (CIoTP) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the CertNexus Certified Internet of Things Practitioner (CIoTP) training?**

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

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## Q: Do you provide corporate training for CertNexus Certified Internet of Things Practitioner (CIoTP)?

Yes, we provide corporate training, dedicated training, and closed classes for CertNexus Certified Internet of Things Practitioner (CIoTP). 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: Why choose Nexus Human for CertNexus Certified Internet of Things Practitioner (CIoTP)?

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
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## Q: Are there any discount codes available?


Yes! Use discount code **PENPALS** when booking your CertNexus Certified Internet of Things Practitioner (CIoTP) 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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