

# EC-Council IoT Security Essentials (ISE)

**Category:** Security | **Vendor:** EC-Council

**Duration:** 16.00 hours (2 days)

**13.0 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Language:** English

**Delivery Format:** Instructor Led - Online

## Course Overview

EC-Council®'s IoT Security Essentials Series provides comprehensive coverage of essential topics in securing Internet of Things (IoT) systems. From understanding the fundamental concepts of IoT to addressing advanced security threats, students will gain the knowledge and skills necessary to design, deploy, and maintain secure IoT solutions. Through a combination of theoretical learning and hands-on exercises, participants will explore IoT fundamentals, networking and communication protocols, cloud integration, threat intelligence, incident response, and security engineering principles. Put your newly acquired abilities to the test with an exhilarating Capture the Flag (CTF) Exercise seamlessly integrated in our Capstone project. This CTF is seamlessly integrated by live virtual machines, genuine software, and real networks, all delivered within a secure and regulated sandbox environment. With these exclusive hands-on, human-versus-machine CTF challenges you will develop the hands-on proficiencies essential for success in your cyber professional role. Ultimately, students will be equipped with the expertise needed to effectively identify, assess, and mitigate security risks in IoT environments, ensuring the integrity, confidentiality, and availability of IoT systems and data.

## About This Course

EC-Council®'s IoT Security Essentials Series provides comprehensive coverage of essential topics in securing Internet of Things (IoT) systems. From understanding the fundamental concepts of IoT to addressing advanced security threats, students will gain the knowledge and skills necessary to design, deploy, and maintain secure IoT solutions. Through a combination of theoretical learning and hands-on exercises, participants will explore IoT fundamentals, networking and communication protocols, cloud integration, threat intelligence, incident response, and security engineering principles. Put your newly acquired abilities to the test with an exhilarating Capture the Flag (CTF) Exercise seamlessly integrated in our Capstone project. This CTF is seamlessly integrated by live virtual machines, genuine software, and real networks, all delivered within a secure and regulated sandbox environment. With these exclusive hands-on, human-versus-machine CTF challenges you will develop the hands-on proficiencies essential for success in your cyber professional role. Ultimately, students will be equipped with the expertise needed to effectively identify, assess, and mitigate security risks in IoT environments, ensuring the integrity, confidentiality, and availability of IoT systems and data.

## Who Should Attend

- School students, graduates, professionals, career starters and changers, IT / Technology / Cybersecurity teams with little or no work experience.
- Individuals who want to start a career in cybersecurity and are interested in IoT Security.
- Anyone interested in gaining in-depth knowledge on safeguarding their smart devices or those within their organization.



## Additional Course Details

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Nexus Humans, EC-Council IoT Security Essentials (ISE) 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 Data Analytics 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 EC-Council IoT Security Essentials (ISE)?**

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

The 2-day EC-Council IoT Security Essentials (ISE) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the EC-Council IoT Security Essentials (ISE) training?**

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for EC-Council IoT Security Essentials (ISE)?**

Yes, we provide corporate training, dedicated training, and closed classes for EC-Council IoT Security Essentials (ISE). 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 EC-Council IoT Security Essentials (ISE)?

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 **PENPAL5** when booking your EC-Council IoT Security Essentials (ISE) 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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