

## Cybersecurity Essentials

*(Course Ref: 452)*



This course is delivered using a mix of classroom and online learning methods and materials. It starts with a half-day classroom session which introduces you to the core elements of the Cybersecurity Essentials course of the **Cisco Academy™**. You will be mentored to start using the online course materials and you will work through the initial modules as part of the group. Additional course materials will also be provided.

This will be followed by 10 weeks Instructor-led online self-paced learning (approx 30 hours or 3 hours per week) with the opportunity for regular interaction and support through online sessions. Finally, you will attend a half day close off classroom session where you will be awarded the Cisco Cybersecurity Essentials Certificate on successful completion..

### Key Skills You Will Learn

- Learn valuable security principles and how to develop compliant policies.
- Implement proper procedures for data confidentiality and availability.
- Develop critical thinking and problem-solving skills using real world examples and labs.
- Understand security controls for networks, servers and applications.

### Course Content

The course will cover the following content:

- Describe how technologies, products, and procedures are used to protect confidentiality.

- Describe how technologies, products, and procedures are used to ensure integrity.
- Describe how technologies, products, and procedures provide high availability.
- Explain how cybersecurity professionals use technologies, processes, and procedures to defend all components of the network.
- Describe the principles of confidentiality, integrity, and availability as they relate to data and cybersecurity countermeasures.
- Describe the characteristics of criminals and their motivations.
- Describe the tactics, techniques and procedures used by cyber criminals.
- Explain the purpose of laws related to cybersecurity.

Students who complete the Cybersecurity Essentials course are then prepared to continue their education in more advanced security courses.

### **E-Doing**

E-doing is used by Cisco Academy and is a design philosophy that applies the principle that people learn best by doing. The curriculum includes embedded, highly interactive e-doing activities to help stimulate learning, increase knowledge retention, and make the whole learning experience much richer. This e-doing makes understanding the content much easier.

### **Coursework**

Coursework may take place in the online learning environment, in the classroom—or both. Once you enroll, you'll be asked to create an account, then taken to your learning dashboard. Course materials and tests may be accessed from there.

### **Help from your peers**

Once enrolled, you have access to student forums where you can ask questions and interact with instructors and peers. Also use the Cisco Facebook community, which has more than a million members available for support.

### **Certificate of completion**

Get a certificate of completion from the Cisco Networking Academy when you successfully complete the course.

### **Eligibility**

No prior knowledge of cybersecurity is required to participate. Some basic computer skills and the use of your own laptop in the classroom sessions will be required.

### **What does it cost?**

The cost after applying the grant from Skillnet Ireland is €195.

### **Who is it for?**

This course is a taster to get an idea of what cybersecurity is all about and therefore it is suitable for any non-technical staff members working within an SME. It is also suitable for anyone wishing to pursue a career in cybersecurity.

### **Further Information**

\*For further information please email [csci@ictskillnet.ie](mailto:csci@ictskillnet.ie)

**\*Please note this programme is for owners, managers or employees of companies, sole traders or self employed or other private sector organisations or commercial semi-state companies operating in the Republic of Ireland.**

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