

## Cyber Security

Edinburgh College

### Venues

Granton Campus  
Sighthill Campus

### Content

This course will teach you essential knowledge in cybersecurity and securing technology infrastructure against cybercrime. During this course you will learn fundamental skills that underpin the technology we use today such as computer programs, websites, computer networks and databases.

This course will teach you advanced learning on how to secure computer systems through forensic analysis to find traces of attacks or infrastructure vulnerabilities that could be exploited. You will explore common ways in which attackers perform hacks through a variety of real case studies and hands-on workshops in Edinburgh College state-of-the-art computer labs.

The course curriculum is aligned to a variety of industry recognised vendor qualifications and can help you gain the knowledge to prepare to sit those certifications. Such as CISCO Cyber Essentials; CompTIA Security+; CCNA Security.

Content: Computer networking concepts; Setting up, maintaining and securing computer networks; Basic computer programming; Digital forensics; Ethical hacking; Data security; Linux; SQL; Penetration testing; Firewall.

### Start Date

August

### Qualification

HNC

### Study Method

Full time

### Course Length

2 years

### Department

Computing

### Entry Requirements

3 Highers including Maths, Computing Science or a science subject; or relevant computing course at SCQF Level 6. You will attend for interview and complete a skills and experience screening exercise.

### SCQF Level

8

### Website

[www.edinburghcollege.ac.uk](http://www.edinburghcollege.ac.uk)