

# Cybersecurity

Fife College

## Venues

Kirkcaldy (St Brycedale) Campus

## Content

On this brand new course, you will learn how to think like a hacker, and gain a deep understanding of security issues and concerns. The course introduces you to characteristics of cybercrime, security principles, technologies, and procedures to defend networks. You will understand how to develop security policies that comply with cyber security laws.

Reflecting rapidly growing business needs, you will learn procedures to implement data confidentiality, integrity, availability and security controls on networks, servers, and applications, building both technical and professional skills to pursue a career in cyber security.

Topics Include:

Computer architecture; Computer networking: concepts, practice and introduction to security; Computer programming; Data security; Digital forensics; Ethical hacking; Social engineering; Intrusion prevention systems; Scripting for security; Securing network devices; Working in cyber security; Professionalism and ethics in cyber security; Graded Unit (Exam).

## Start Date

August

## Qualification

HNC

## Study Method

Full time

## Course Length

1 year

## Department

Digital, Computing and Cyber

## Entry Requirements

1 relevant Higher plus 4 subjects at National 5; or Foundation Apprenticeship: IT Hardware and System Support plus 4 subjects at National 5; or relevant national qualifications at SCQF Level 6. Interview.

## SCQF Level

8

## SCQF Points

«SCQFPoints»

## Progression Routes

HND Cyber Security or relevant degree programme.

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

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Dunfermline  
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## Website

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