

Computer Science (Cyber Security)

Heriot-Watt University

Venues

Edinburgh Campus

Content

The world relies on digital technology more than ever before. As a result, today the prevention of cyberattacks, data breaches and identity theft are a priority for individuals, businesses and governments alike.

In order to target this growing requirement within industry and society, Heriot-Watt has designed a brand new programme for 2020: BSc Computer Science (Cyber Security). This undergraduate programme will provide students with a sound foundation and applied skills in computer science with focus on cyber security, in addition to other professional skills, enabling them to succeed in meeting the cyber security challenges facing modern organisations today.

In this programme you will learn about the foundations of networks and computer systems, thereby allowing you to understand how communications can be probed and altered, and systems can be forensically analysed. You'll also learn about techniques for secure programming and how real-world networks and systems are protected with fundamental techniques such as access control, encryption and intrusion detection.

In each of the first three years of the programme, students take eight mandatory courses, and in Year 4 they take five mandatory courses and three optional ones.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BSc Hons

UCAS Code

G4CS

Course Length

4 years

Faculty

School of Mathematical and Computer Sciences

Department

Computer Science

Entry Requirements

2024 entry requirements

Standard entry: 4 Highers at ABBB including Maths plus English at National 5.

Widening access entry: 4 Highers at BBBC including Maths at B plus English at National 5.

For entry to year 2 you require 3 Advanced Highers at BBB including Maths and Computing Science plus Highers at ABBB.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

Edinburgh
EH14 4AS

Website

www.hw.ac.uk