Computer Science (Cyber Security)

Heriot-Watt University

Venues

Edinburgh Campus

Content

The escalating reliance on digital technology has made fortifying against cyber threats, such as attacks, data breaches, and identity theft, more crucial than ever. This urgency is a shared priority among individuals, businesses, and governments today.

The BSc in Computer Science (Cyber Security) programme establishes a robust foundation, imparting practical skills in computer science with a distinct focus on cyber security. It equips students not only with technical proficiency but also with essential professional skills necessary to tackle the contemporary challenges in cyber security faced by organisations and society.

This programme delves into the core concepts of networks and computer systems, enabling an understanding of how communications can be probed and manipulated while also teaching forensic analysis of systems. Students will explore secure programming techniques and the essential methods for safeguarding real-world networks and systems, including access control, encryption, and intrusion detection.

Throughout the initial three years, students engage in eight compulsory courses per year, and in the fourth year, they pursue five security related mandatory courses alongside three elective ones.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BSc Hons

UCAS Code

G4CS

Course Length

4 years

Faculty

Science, Technology, Engineering and Mathematics (STEM)

Department

Computer Science

Entry Requirements

2027 entry requirements

4 Highers at ABBB (Standard entry) or BBBC (Widening access entry) including Maths plus English at National 5.

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

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Edinburgh
EH14 4AS

Website

www.hw.ac.uk