

## Computer Systems (Games Programming)

Heriot-Watt University

### Venues

Edinburgh Campus

### Content

The BSc Computer Systems degree is designed for students looking for a sound foundation and applied skills in computing in addition to other professional skills which will enable them to communicate clearly, work independently and co-operate effectively.

Year 1: You will study three courses on programming in Java, interactive systems, web design and databases, computer systems, and an elective of your choice.

Year 2: You will study interaction design, web programming, data structures and algorithms, programming languages, software design and database management systems, and two electives of your choice.

Year 3: You will study software engineering, computer network security, artificial intelligence and intelligent agents, operating systems and concurrency, language processors, professional development and two electives. You will also take part in a major group project with an industrial orientation.

Year 4: You will study five advanced courses drawn from a wide range of our research and technical specialisms. You will also conduct a substantial individual project, on a topic of your choice or suggested by an academic, lasting the whole year.

### Start Date

September

### Qualification

Degree

### Study Method

Full time

### Award Title

BSc Hons

### UCAS Code

5Y6J

## Course Length

3 - 4 years

## Faculty

School of Mathematical and Computer Sciences

## Department

Computer Science

## Entry Requirements

2023 entry requirements:

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

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

For entry to Level 2 you would require 3 Advanced Highers at BBB including Computing Science plus Highers at ABBB. You are expected to be proficient in a programming language, with Java preferred.

## SCQF Level

10

## Progression Routes

«ProgressionRoutes»

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

Edinburgh  
EH14 4AS

## Website

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