

# Software Development

Glasgow Caledonian University

## Content

Studying on this programme you benefit from direct employer engagement in the form of guest lectures, project case studies, participation in competitions, attendance at the employer - student events and work placements. You will acquire the right balance of technical, interpersonal, project management and business skills needed as a software developer. In addition you will have many opportunities to showcase your abilities to employers.

### Year 1

Fundamentals of Computer Systems; Fundamentals of Software Engineering; Programming 1; Maths for Computing; Fundamentals of Network and Cloud Computing; Database Development; Integrated Project 1.

### Year 2

Programming 2; Object Oriented Analysis & Design; Human Computer Interaction ; Data Structures and Algorithm; Web Application Development 1; Integrated Project 2.

### Year 3

IT Project Management 1; Web Application Development 2; Applications Architecture and Design Patterns; Research Skills & Professional Issues; Integrated Project 3; DevOps.

### Year 4

Honours Project; Machine Learning and Data Analytics; Programming Paradigms; Secure Software Development; Cloud Platform Development.

## Start Date

September

## Qualification

Degree

## Study Method

Full time

## Award Title

BSc Hons

## UCAS Code

G701

## Course Length

4 years

## Faculty

School of Computing, Engineering and Built Environment

## Department

Computing

## Entry Requirements

2025 entry requirements

Standard entry: 4 Highers at BCC including Maths, Applications of Maths or Computing Science.

Widening access entry: 4 at BCCC including Maths, Applications of Maths or Computing Science.

A Foundation Apprenticeship is accepted as equivalent of a non-essential Higher at B.

## SCQF Level

10

## Progression Routes

«ProgressionRoutes»

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

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G4 0BA

## Website

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