

## Applied Computing (in conjunction with the University of Stirling) (2nd Year Entry)

Forth Valley College

### Venues

Falkirk Campus

### Content

Students will develop skills in key ICT areas with a focus on software development and analytical skills. There will be an emphasis on employability skills and industrial awareness to ensure graduates are 'work-ready' on completion of their course.

The degree is taught jointly by Forth Valley College and the University of Stirling.

Year 2 modules:

Software Development; OOP; Systems Development; Object Orientated Analysis and Design; Developing Mobile Web Based Applications: An Introduction; Software Development: Developing Websites for Multiplatform Use; Graded Unit 2; Software Development; Data Structures; Relational Database Management Systems; SQL: Introduction.

Year 3 modules:

Software Engineering I; Multimedia and Human Computer Interaction; Database Principles and Applications; Software Engineering II; Communications and Networks; Computer Game Technologies; Information Systems; Industrial Work Placement (compulsory).

Year 4 modules:

Honours project (compulsory); Big Optimisation Spaces; NoSQL Databases; Concurrent and Distributed Systems; Technologies for ecommerce; Artificial Intelligence; Internetworking on the Wide Scale; Enterprise Portals; Computer Security and Forensics; Telecommunications Systems and Services; Web Services.

### Start Date

August

### Qualification

Degree

### Study Method

Full time

### Award Title

BSc Hons

### Course Length

3 years

### Department

Computing

### Entry Requirements

HNC Computing. Entry subject to interview.

### SCQF Level

10

### Address

Grangemouth Road  
Falkirk  
FK2 9AD

### Website

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