

## Computing (Computer Science)

Ayrshire College

### Venues

Kilwinning Campus

### Content

This course will give you the skills you need to design, implement and support IT systems in a wide range of industries. It focuses on the key areas of software development, databases, interface design, troubleshooting and e-commerce.

You'll begin by looking at computer system basics - the various hardware and software, how to install an operating system and how to install/configure application and security software.

In software development you'll look at programming, coding, testing and technical documentation. You'll focus on basic programming constructs, before moving onto more complex programming structures.

You'll also look at the software development life cycle, and will design and construct a small standalone interactive application.

You'll learn about relational databases using a query language (SQL) and develop skills to create a relational database management system using commercially available database software.

You'll explore the concepts of user interface design for digital media such as web, apps, games and animation.

You'll develop valuable skills for finding solutions to computing problems in computer networking, software development or technical support.

### Start Date

August

### Qualification

HNC

### Study Method

Full time

### Course Length

1 year

### Department

Computing

## Entry Requirements

Higher Maths plus 1 other Higher preferred; or relevant national qualifications at SCQF Level 6. Entry is subject to interview.

## SCQF Level

7

## SCQF Points

«SCQFPoints»

## Progression Routes

HND Computer Science or employment in an entry level role.

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

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Ayr  
KA8 0EU

## Website

[www1.ayrshire.ac.uk](http://www1.ayrshire.ac.uk)