**A Level Computer Science**

**What will I need to study this course?**

You need any 5 GCSEs at grade 5 or above, or equivalent. You don’t need a GCSE in a computer-related subject.

**What will I study?**

In an A-level Computer Science course, you’ll study topics such as programming, algorithms, data structures, and computer systems. You’ll also explore the theoretical foundations of computing, including computational thinking and problem-solving techniques.

The A Level in Computer Science has three main parts:

1. Computer Systems:

Systems architecture, networking, databases and data representation

2. Algorithms and Programming:

Computational thinking, problem-solving skills and algorithms

3. Programming Project:

You’ll complete a project where you create an application or game using a programming language of your choice.

**How is the course assessed?**

There are two written examinations each worth 40% and the project worth 20%.

**Where next?**

* An A-level in Computer Science can open doors to various career paths and further education opportunities. You could pursue roles such as a software developer, data scientist, network engineer, or cybersecurity analyst.

 [What can I do with a computer science degree? | Prospects.ac.uk](https://www.prospects.ac.uk/careers-advice/what-can-i-do-with-my-degree/computer-science)



*Exam Board: OCR*

*QAN Code: 601/4911/5*