

Computer Science



Exam Board	AQA
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Qualification	GCE A-level Computer Science
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Entry Requirements	Grade 7 in Maths and Computer Science
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Content (Outline of Course)	<ul style="list-style-type: none">Fundamentals of programmingFundamentals of data structuresFundamentals of algorithmsTheory of computationFundamentals of data representationFundamentals of computer systemsFundamentals of computer organisation and architectureConsequences of uses of computingFundamentals of communication and networkingFundamentals of databasesBig dataFundamentals of functional programmingSystematic approach to problem-solving
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Assessment	<ul style="list-style-type: none">Paper 1 – On Screen Exam 2.5 hours – 40% of A-levelPaper 2 – Written Exam 2.5 hours – 40% of A-levelNon-exam Assessment – 20% of A-level
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Careers Guidance	<p>The Computer Science course allows students to develop high-level practical skills that are very much in demand in the modern workplace. The UK, and in particular the North East, has a large IT industry and there are many opportunities available.</p> <p>Students may go on to study a variety of university courses such as Computer Science or Information Technology. Alternatively, students may also decide to apply for apprenticeships, with many available from large local employers such as Accenture, Sage, DXC and Ubisoft.</p>
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