



A Level Applied Science

What will I study?

Applied Science is a practical and engaging course that explores key scientific principles across biology, chemistry, and physics. You will study topics such as cells and tissues, atomic structure, chemical reactions, waves, energy transfer, and the human body. The course places a strong emphasis on real-world applications of science, including how scientific knowledge is used in industry, healthcare, and environmental science. You will also develop essential laboratory skills through a range of practical investigations, data analysis, and scientific reporting. This course is ideal for students who enjoy science and want to understand how it applies to everyday life.

How will I be assessed?

This course is assessed through a combination of internally assessed coursework and externally assessed examinations. You will complete assignments based on practical investigations and scientific research, as well as sit formal exams that test your understanding of key scientific concepts and your ability to apply them in real-world contexts. The balance of coursework and exams allows you to demonstrate your knowledge and skills in a variety of ways.

What are the entry requirements?

To study AAQ Applied Science, you must have five GCSEs at grade 5 or above (including English Language at grade 5 and Maths at grade 4), with Science at grades 4–4, and if you are not taking A Level Maths, you will be required to study Core Maths alongside the course.

Where will this course lead?

Applied Science is equivalent to one A level and is widely accepted by universities, especially for science-related foundation degrees and higher education courses. It also supports progression to degree-level apprenticeships in healthcare, laboratory science, and environmental science. At Milton Keynes College, you can use this qualification to access a range of HE courses in applied and health sciences. It also prepares you for employment in scientific and technical roles, including laboratory technician, healthcare assistant, and environmental monitoring.

What combines well with this subject?

Applied Science complements subjects such as Health and Social Care, Psychology, Mathematics, and Sustainability. It is particularly suitable for students interested in careers in healthcare, science communication, or technical roles in industry.