



Midsomer Norton
Schools Partnership
The Sixth Form

Course details for The Somerset Studio School Sixth Form Campus

Course combinations for SSS Sixth Form

Students have the option of choosing from 3 T Levels which are a full time courses which include a work placement.

Details of the entry criteria are available in Pathway Guidance booklet.

T level options

Healthcare Science
Engineering
Education and Childcare

T Level Healthcare Science

What is the course about?

You will develop a general understanding of health and science:

- working within the health and science sector
- health, safety and environmental regulations
- managing information and data
- principles of good scientific and clinical practice
- core science concepts including the structure of cells, tissues and large molecules, genetics, microbiology and immunology

You will also learn about topics specific to healthcare science:

- understanding the healthcare science sector
- further knowledge of human anatomy and physiology, diseases and disorders, genomics and medical physics
- providing person-centred care
- infection prevention and control
- good scientific practice

How is it assessed?

Core component: Grades A* to E are based on combines scores from written examinations and an employer-set project

Occupational specialism component: distinction/merit/pass grades are based on coursework assignments.

Why choose T levels?

T Levels are ideal if an individual wants to:

- Develop practical skills, knowledge and behaviours that show occupational competence
- Apply theory in real workplace settings
- Combine classroom learning (80%) with on-the-job employment experience (20%)
- Pursue a high-quality technical route into skilled employment, further study or higher/ degree apprenticeships
- Develop maths, English and digital skills within the qualification framework

What might the course lead to?

You could progress to higher education, apprenticeship or employment in the healthcare science sector or a job as a pharmacy technician, nurse, paramedic or clinical healthcare scientist.

T Level Education and Childcare

What is the course about?

This study programme will provide you with the knowledge, skills and behaviours needed to progress into skilled employment or higher-level training or study in the education and childcare sector. You will attend Sixth Form for the knowledge element of your qualification, and you will develop your workplace skills by participating in at least 45 days of work placement in a school or early years setting.

Topics you will study include – child development; theories of development, learning and behaviour; health and safety and safeguarding; observation, assessment and planning, special educational needs and disability; legislations, policy and procedure; children’s health and care; early years foundation stage and key stage one.

1 day a week will be applying your new knowledge and skills in the workplace such as schools or nurseries.

Resources on the course are designed to follow active learning principles and include - interactive learning e-modules, virtual reality apps, interactive PDFs, a range of class based activities and independent study and research tasks.

How is the course assessed?

Assessment is through examinations and an employer-led project.

What might the course lead to?

This qualification will support learners on to a range of progression routes including employment, higher education and higher apprenticeships. The T Level study programme is eligible for UCAS points equivalent to three A levels. The degrees that previous learners have progressed into include teacher training, early childhood studies, psychology, or onto the in BA (Hons) Early Years, BA (Hons) Education, Society and Childhood.

Job roles may include employment as an early years educator, teacher or classroom teaching assistant.

Students who achieve this qualification could progress to the following, depending on their chosen occupational specialism:

- Employment, Higher Education, Apprenticeship, Degree programmes, such as teaching, youth and community studies, Higher Level Technical studies or degree level apprenticeships.

Before starting the course, the Sixth Form will carry out a DBS check.

T Level in Engineering

What is the course about?

Engineering has many wide ranging careers and fields within it that are too numerous to describe, but in short, Engineering is 'Designing things using physics and Maths. Here are a few examples of elements we teach on the course:

- Engineering, Product Design and Manufacture
- Applied Commercial Engineering
- Specialist Engineering projects of any kind
- Delivery of Engineering processes (metal folding/forming/riveting etc)
- Engineering principles (core maths application)
- CAD (2D and 3D advanced levels)
- Fluid Dynamics
- Research engineering of any kind (new emerging technologies)
- Geological engineering
- Man made structural engineering.
- Electrical engineering

In school, Your objective is to prove you can have a strong understanding of the basics and apply this to make complex things in the real world.

- Make shapes using CAD (inventor)
- Use a range of materials and their properties (metals, composites etc)
- Design and make products with high precision using machinery like CNC lathes, CNC laser cutters and CNC millers.
- Identify a range of processes and be able to explain their advantages and disadvantages. (For example: Robotic welding vs welding by hand.)
- Calculating area and geometry on more complex shapes.

How is the course assessed?

Examinations: 50%

Coursework: 50% (25% written/25% practical)

1 day per week on placement in an engineering firm (chosen for you)

The value of Engineering

Engineering is many things. It's a secretive world where problem solvers try to find ways of gaining a technical advantage in production of a product of some kind using maths and Physics in a practical way. It evolves constantly.

What might the course lead to?

Once you have mastered the basics of engineering by completing this course, you can go on to specialise in the almost infinite field of engineering either through university or Apprenticeship. For example: Mechanical, Aeronautical, Nuclear, Chemical, Renewables, Electrical, Vehicle (boats,cars,bikes),CAD, CAM, CNC, Buildings, Design and build robotics.

Extended Project (EPQ)

What is the Course?

The Extended Project is a one year course which carries equivalent points for university entry as an AS level and is awarded Grades A*-E. Some universities will accept it as part of an offer, but the top universities will not but have said that they would look favourably on students who opt to do it and others have said they would be willing to make lower offers because of it, e.g. Bristol.

How is it assessed?

- Students record what they do in a production log.
- They produce an extended piece of work which can be an academic report or an artefact supported by a report, and make a presentation about it.
- They are assessed on the log, the project and the presentation.

What can they look at?

- Students can choose to look at an area which is an extension to their current area of study or alternatively they can explore an area of personal interest or an activity outside the main programme of study.
- Students have taken the opportunity to examine a wide variety of subjects such as technological innovation, music, alternative technology, disability issues, and forensics.

What will students need to show that they can do to achieve a good grade?

- To choose an area of interest
- Draft a project title
- Draft aims of the project
- Plan, research and carry out the project
- Provide evidence of all stages of project production
- Deliver a presentation to a specified audience.