

ENGINEERING

TECH LEVEL 3

Course Coordinator: Miss Griffiths

Awarding Body: OCR

The Course

The Level 3 Engineering course is a perfect match for students wanted to take both an employment or university (Paired with Maths or Physics) route into Engineering. It is an equivalent to 1 A Level and has been built in consideration of employers and University courses alike.

OCR has developed the content the Level 3 course in collaboration with employers and representatives from higher education and relevant professional bodies. The mandatory and optional content provides a balance of breadth and depth, while retaining a degree of choice for individual learners to study content relevant to their own interests and progression choices. Also, the content may be applied during delivery in a way that is relevant to local employment needs.

All OCR Tech Level 3's provide transferable knowledge and skills that prepare learners for progression to university. The transferable skills that universities value include:

- the ability to learn independently
- the ability to research actively and methodically
- being able to give presentations and being active group members.

OCR Tech Level learners can also benefit from opportunities for deep learning where they are able to make connections among units and select areas of interest for detailed study. OCR Tech |Level 3 in Engineering provides a vocational context in which learners can develop the knowledge and skills required for particular degree courses, including:

- analytical and problem-solving skills
- reading technical texts
- effective writing
- preparation for assessment methods used in degrees

Course Content

67% Exam 33% Coursework:

Unit 1: Maths in Engineering (External Exam)

Unit 2: Science in Engineering (External Exam)

Unit 3: Mechanical Principles in Engineering (External Exam)

Unit 4: Electronics in Engineering (External Exam)

Unit 10: CAD

Unit 17: CAM

Possible Destinations

Universities such as University of Liverpool, Warwick, John Moores and Sheffield to study a range of Engineering disciplines from Mechanical Engineering, Aerospace, to Product Design and Engineering.

Apprentice Routes into companies such as BAE Systems, Airbus, Unilever, Bentley, Williams F1 Team and military engineering roles in the RAF, Army, Royal Navy.

(N.B. Due to DFE consultation regarding BTEC Level 3 qualifications, this course may be subject to change once the consultation has ended in February. We will keep students and parents updated if the course is due to change.)

