IMI Level 3 Diploma in Engineering

Full Time // Truro College

If you enjoy understanding how and why things work, then the Level 3 Extended Diploma in Engineering will give you the opportunity to apply the mathematics and science skills you learnt at school to build working systems both virtually and physically. You will be stretched and challenged to solve engineering problems, to understand the importance of each link in the chain and develop the skills to overcome problems as they arise. You will have the opportunity to work as an individual and as part of a team both in the classroom environment and in the workshop.

Why choose this course?

If you are self-motivated and resourceful and want to learn to communicate effectively and work well as part of a team, you could work in one of the most exciting careers available with no day being the same. Engineers have high levels of job satisfaction as well as good levels of pay and this course will start to prepare you for the exciting and diverse world of engineering and the wide range of opportunities it offers. You will develop new knowledge/skills in areas such as engineering materials, manufacturing, electronics, CAD, design and project management. These skills will allow you work in many of the different types of engineering including Aerospace Engineering, Agricultural Engineering, Civil Engineering, Electrical Engineering, Environmental Engineering and Materials Engineering, among others.

What will I learn?

Engineering today is one of the most creative and stimulating of occupations which will keep you constantly involved in emerging technologies and which will call on all of your resources. Successful modern engineers are not just technically expert but are also first class communicators and team workers. For the resourceful and self-motivated engineer, the rewards can be excellent both financially and in job satisfaction.

The aim of the course is to give a sound grounding in general engineering skills that will be transferable into any branch of engineering that candidates may enter in higher education or industry. This general engineering course includes mechanical and electronic units.

Assessment Arrangements

The course is made up of 15 discrete units of which 3 are externally set (formal exams) and the remainder internally set (assignment based). This means that the course is 33% exam based. The rest of the course is made up of independent written assignments where you will have to be prepared to make a regular commitment to writing up your work to a high standard. Your achievement in this subject is dependent upon excellent attendance, punctuality and effort. You will learn in a friendly atmosphere, using a variety of assessment methods:

You will be assessed regularly via written essay work that is conducted either as homework or under timed conditions in class and given feedback on your progress.

You also will be assessed regularly on technical terminology.

Discussions and presentations are a vital part of our assessment process and you will be expected to contribute to those and reading exercises.

You will review your own performance in 1:1 sessions with your tutor.

Although there is a considerable amount of written coursework to be completed, practical work is a key part of the course.

Information & Support

Additional maths support is available for students who feel that they need more tuition and your tutor will maintain regular contact with other teaching staff to ensure you are progressing and reaching your potential.

Some PPE will be required for the course which will include safety boots, glasses and lab coats – you will be advised of this at interview.

What will I need?

Minimum Grade 5 in Maths (higher tier paper), Grade 4 in English, Science and one other subject (preferably DT Product Design or Control Systems.

Where will it take me?

As a general engineering course, the Level 3 Extended Diploma in Engineering can lead into a wide range of engineering fields – including: Mechanical, Manufacturing, Electrical/Electronic, Civil, Marine, Environmental, Control, Automotive, Aerospace etc.

Completion of the course will enable you to progress into industry, as a technician on an advanced apprenticeship or lead to further study at university on a wide range of engineering degrees in your preferred field.

For those students considering progression to university, students can consider taking an AS/A level in Maths/Uses of Maths alongside this course. This may provide access to a greater range of degree courses post completion.