

Engineering Operations Diploma level 2

Course Overview

Our EAL level 2 diploma is designed for 16-18 year old students forming part of a study programme, who wish to pursue a career in Engineering. The course will give you the opportunity to gain a broad knowledge and understanding of the Engineering sector. You will study a range of core Engineering subjects in both Mechanical/Manufacturing and Electrical/Electronics Engineering which will support your progression to an apprenticeship scheme or an appropriate level 3 programme of study. Theoretical elements of the course are delivered in modern, well-equipped classrooms, whilst practical elements are based in state of the art, industry standard workshops and laboratories. We incorporate a wide range of trips and visits into the course, including the opportunity to complete Industry Placements in Spain and Portugal. The course is delivered over a 32-week period. If you are aged 16 to 18, you will be enrolled on a study programme. This will include retaking GCSEs or undertaking Functional Skills in English and maths if you haven't already achieved a grade 4 or above.

What you will learn

Over the duration of the course, you will study seven units covering a range of vocational subjects related to the field of engineering technology and operations. Units include Engineering Environment Awareness, Engineering Mathematics, and Science Principles, Electrical and Electronic Systems and Devices, Computer-Aided Design (CAD), and Manual Machining Techniques. The course balances the core theory and knowledge with the practical skills and understanding required to enter an engineering apprenticeship.

Entry Requirements

Direct entry to this course requires GCSEs in English and Maths at grade 3 or above plus two other GCSEs at grade 3 or above including a science or technical based subject. It is also desirable that you can demonstrate a minimum 90% attendance record in your previous education or employment. A suitable Level 1 qualification or relevant industry experience is desirable but not essential. Internally progressing students will need to have successfully completed a relevant vocational Level 1 qualification and achieved any Function Skills / GCSE learning aims included in previous course of study. Over this period, learners will also be required to demonstrate a minimum 90% attendance record and gain an acceptable reference from Programme Lead.

How you will be assessed

For each of the 7 core units, you will develop essential theoretical knowledge and practical skills. Every 8 weeks you will undertake a series of practical (workshop based) and knowledge assessments, followed by online testing. Once you are registered, you can access all associated assessment and support material via the course Virtual Learning Environment (VLE).

Course Fees

You are expected to obtain personal protective equipment (PPE) to be worn during all practical sessions. During the Induction period, you will be allocated a locker to store your PPE. Basic requirements are steel toe cap safety boots, and plain navy or black overalls (boiler suit style only). You can purchase your PPE from wherever you wish, however during enrolment you will be given details of some local companies who supply many of our students. The cost of the required PPE would be expected to cost between £30 and £45. You will require some basic stationary (pens, pencils, ruler, ring binder, page dividers). You will be given a course Equipment List during enrolment, detailing specifics.

Course Progression

This course is primarily designed to help students enter employment and most students completing this programme would apply for apprenticeship positions within the Engineering industry. Learners who achieve the necessary entry requirements may wish to undertake further study at level 3 either through the EAL level 3 diploma or T level pathways.

What Happens Next

Apply online via the College website, or if your school uses the PS16 application system please apply through this and speak to your careers advisor if you are unsure. You will need details of your qualifications and employment history, a reference, and a personal statement to complete your application. Once your application has been successfully processed, you will be sent a conditional offer and be invited to a Welcome Event/Interview at the College to meet your tutors, learn more about your chosen course of study and tour the facilities. You will then need to confirm your acceptance of the course offered to you.

Course Details

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| Course Code | P00053 |
| Start Date | 08/09/2025 |
| Study Hours | Full Time |
| Duration | 1 year |
| Campus | Abbey Park Campus |
| Level | 2 |

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