

EAL Level 3 Diploma in Engineering Technology (QCF)

Content:

This is recognised as the EAL equivalent of a BTEC National Certificate Level 3 course consisting of a total of eight units (4 units per year). We offer both Mechanical and Electrical variants of this course. There is a mixture of online multiple choice examinations and internal assessments which consist of a mix of practical investigations/experiments and exam papers. The exams vary between units and are either at the end of each taught topic area or the end of the unit. Further information about the units can be found on the supplementary sheets attached.

Aimed at:

Anyone who holds an appropriate entry requirement of any age. It is an essential component within the Advanced Apprenticeship framework during years one and two.

Entry requirements:

5 GCSE's grade A*-C (must include Maths and Science) or any other appropriate Level 2 qualifications.

Benefits/progression:

Level 4 HNC course (subject to completion of the Advanced Maths and Advanced science units).

Location:

GET Training facilities – Barnwood Point, Gloucester.

Duration:

2 Years (day release).

Start date:

September to July.

Cost:

£4400 (whole course) + registration fees to the Awarding Organisation.

If you are interested in this or any of our courses please contact us on **01452 423461** or **info@get-trained.org** for more information or enrolment details

Our Mission "Further learning and skills for the engineering industry"

Our Vision "To be the hub of Engineering Training Expertise by 2017"

Supplementary Information

Further content information:

We offer both Mechanical and Electrical variants of this course. Students who complete the Advanced Maths and Advanced Science units will be prepared for progression onto a HNC. A small percentage of mechanical learners will find the Advanced Maths & Advanced Science units too great a challenge. There is an easier to achieve alternative for these students. The Advanced Maths and Advanced Science highlighted below (blue units) will be substituted by an Inspection unit and a Maintenance Unit (green units) during year two. These learners will not be able to demonstrate that they are currently working at level 3 in their Maths & Science so will not be considered for a HNC. They will still achieve their EAL Diploma and receive a certificate for it. Funding is not affected for learners who undertake the Inspection and Maintenance units. At the end of year one, we will decide who we think should undertake the Inspection and Maintenance units. Our decision is based on the academic ability the student has demonstrated in their lessons and their work ethic. There is no easier to achieve alternative for the Electrical learners.

The following Tech Cert units are delivered at GET:

QETA/001 Engineering and Environmental Health and Safety (Delivered in year 1)
 QETA/002 Engineering Organisational Efficiency and Improvement (Delivered in year 1)
 QETA/003 Advanced Mathematics (Delivered in year 2)
 QETA/004 Advanced electrical & electronic principles (Delivered in year 2)
 QETA/005 Advanced Engineering Science (Delivered in years 1&2)
 QETA/006 Computer Aided Design (CAD) Techniques (Delivered in year 1)
 QETA/007 Computer Numerical Control (CNC)

Programming/ Machining (Delivered in year 2)
 QETA/009 Electrical and electronic principles (Delivered in year 1)
 QETA/010 Programmable logic controllers (PLCs) (Delivered in year 2)
 QETA/028 Advanced maintenance engineering principles (Delivered in year 2)
 QETA/039 Advanced Mechanical Engineering Principles (Delivered in year 1)
 QETA/042 Engineering Inspection and Quality Control (Delivered in year 2)
 QETA/043 Engineering Design Process (Delivered in year 2)

Mechanical learners who undertake the Adv Maths & Adv Science units will complete the following units: 1,2,3,5,6,7,39,43

Mechanical learners who do not undertake the Adv Maths & Adv Science units will complete the following units: 1,2,6,7,28,39,42,43

Electrical learners will complete the following units: 1,2,3,4,5,6,9,10

We deliver Maths lessons in year one which are in addition to the Advanced maths unit (Yr2). Their purpose is three fold. To support learners who lack the necessary maths skills at the beginning of the course, prepare them for the maths questions within the Mechanical Principles exam and to support them with the maths they require for the science unit.

The Health & Safety unit and Organisational Efficiency units are assessed externally by an EAL online multi choice examination. All other assessments are assessed internally. The assessments are a mix of practical investigations/experiments and exams. The exams vary between units and are either at the end of each taught topic area (Adv Maths & Adv Science) or the end of the unit (Mechanical Principles, CNC, Design).