

## BTEC Level 5 HND Diploma in Mechanical Engineering

### Content:

This is a level 5 course consisting of a 2 year, 10 unit level 4 HNC Diploma followed by a 1 year, 6 unit level 5 top up to HND. In the first two years the qualification is mainly at level 4, with some units at Level 5. Year 3 consists of 1 level 4 unit and 5 level 5 units. Students will be expected to combine learning from different areas using research to formulate their ideas and demonstrate their knowledge and understanding in written assignments. Assignments must be logically designed and demonstrate a good use of English grammar and punctuation and referenced throughout. Further information about the units can be found on the supplementary sheets attached. All units are assessed by student assignments and graded at Pass, Merit and Distinction. There will be no examinations.

### Aimed at:

Anyone of any age who holds an appropriate entry requirement.

### Entry requirements:

It is essential that learners coming onto the course can work at Level 3 in Mathematics. They must also understand how the teaching and learning will differ at this level compared to lower level courses and what is expected of them. Therefore it is a course requirement that all learners undertake a diagnostic Maths assessment, and attend an entry interview prior to acceptance onto the course.

### Benefits/progression:

HNC is a natural progression for learners who have completed our EAL Level 3 Diploma, a Level 3 BTEC National Certificate or some other course where they can demonstrate they have been working at level 3 Maths, E.g. A levels. HND is the progression from HNC and this programme allows direct entry onto this level 5 course. HND's are very highly regarded by employers and will usually allow direct entry into the second year of many University Degree Programmes.

### Location:

GET Training facilities – Barnwood Point, Gloucester.

### Duration:

3 Years (day release)  
September to July

### Start date:

September

### Cost:

Enquiry for latest course & Awarding body registration fee.

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 2018"

## Supplementary Information

### Further content information:

The HND qualification consists of the following units: (but can be subject to change)

#### **Year 1**

Analytical Methods for Engineers (Mandatory)  
- Level 4

Engineering Science (Mandatory) - Level 4

Business Management Techniques for  
Engineers - Level 4

Advanced CAD - Level 4

Materials Engineering – Level 4

#### **Year 2**

Project Design Implementation and Evaluation  
(Mandatory) - Level 5

Mechanical Principles (Mandatory) - Level 5

Programmable Logic Controllers - Level 4

Fluid Mechanics – Level 4

Further Analytical Methods for Engineers – Level 5

#### **Year 3**

Strength of Materials - Level 5

Engineering Thermodynamics –Level 5

Advanced Mathematics for Engineering – Level 5

Design for Manufacture – Level 5

Quality Assurance and Management – Level 5

Computer Programming Techniques – Level 4