



Coleg
Menai



What will I learn?

This course will help you learn about:-

- The range of job opportunities and types of companies you could work for locally and nationally.
- What it would be like to work in engineering.
- How to use drawings and specifications to manufacture components using traditional machining equipment (lathes, milling machines, surface grinders and drilling machines).
- How to use drawings and specifications to write CNC part programs, (instructions that a computer controlled machine uses), to produce components on a range of CNC machines.
- How to check the accuracy of components.
- About Health and Safety Law and environmental issues in the workplace.

How will I learn?

The course is a partnership between Arfon and Môn secondary schools and Coleg Menai and is the equivalent of 1 GCSE. Your school will arrange free transport to and from Coleg Menai and you will spend 3 hours a week in Year 10 and 11 at the Bangor site. Site visits and experience with major local employers will also be organised. This course is a mix of practical and classroom tasks and you will get a chance to prepare and practise your skills before you are assessed so that you know and understand what you will have to do. **Mathematics is an integral and essential part of this course.**

What will I need?

Students will be required to wear suitable Personal Protective Equipment (PPE) whilst in the workshops, (eg safety boots and overalls) which will be provided by Coleg Menai.

How will I be assessed?

You will produce work which is assessed by your course tutor and the examination board and there will be an external examination for the core unit.

What happens after this course?

At the end of this course here are some of the pathways available:-

- Follow a mix of vocational and academic courses as part of a school / Coleg Menai partnership, eg. Level 3 BTEC Certificate / Subsidiary Diploma / AS / A level.
- Follow an Engineering qualification at level 2 or 3 at Coleg Menai. eg. Level 2 BTEC Diploma, Level 3 BTEC Subsidiary Diploma, Diploma or Extended Diploma.
- Follow an NVQ qualification in a related sector at level 2 or 3 at Coleg Menai. eg. NVQ Performing Engineering Operations.
- Follow a modern apprenticeship scheme.

Ultimately degrees and professional qualifications can be achieved by following any of these pathways.

Career Ideas!

- Professional Engineer
- Engineering Team Leader
- Design Engineer

Want to know more?

Engineering (Level 2)

(BTEC Level 2 First Award in Engineering)

To find out more about this course, visit the following web page: <http://qualifications.pearson.com/en/qualifications/btec-firsts/engineering-2012-nqf.html>

Or contact: www.careerswales.com

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