

Other Opportunities

You will also have opportunities to develop your essential life skills of numeracy, communications and IT. Opportunities will also exist for you to improve on your GCSE grades in Mathematics and English should there be a need to. As a full-time student you will have an afternoon each week for a range of recreational activities and you will also be encouraged to participate in Students' Union activities.

Opportunities for progression

The BTEC National Diploma Manufacturing Engineering programme is excellent for preparing you to pursue many of the careers available in local industries. Some of our former students are now power generation engineers, architectural technicians, etc.

Other successful students have progressed to universities in the UK. They have studied degree courses in various branches of engineering including: automobile design, CNC machining, civil engineering and marine engineering.



Entry requirements

Applicants for the course should have at least four C's at GCSE, including Mathematics and Science. If you would like to join us or wish to learn more about the programme, please contact one of the following:

Course Co-Ordinator

Robin Powell
email: robinp@gcfe.net
Tel. 01481 737500

Programme Manager for Engineering

John Semenowicz
email: johns@gcfe.net
Tel. 01481 737500

Head of School

John Norman
email: johnn@gcfe.net
Tel. 01481 737511

The Guernsey College of Further Education
Route des Coutanchez • St Peter Port • Guernsey • GY1 2TT
Tel: 01481 737500 • Fax: 01481 746730
Email: college@gcfe.net • web: www.guernseycollege.ac.gg

BTEC National Diploma

If you have achieved good GCSE results in Mathematics, Science and English (grade C's or above) and have an interest in engineering, design and technology, then this BTEC National Diploma in Manufacturing programme is for you.

With this qualification you can head to university where there are a wide range of engineering degree courses, but you'll need to check the precise entry requirements for each course at www.ucas.co.uk.

This Diploma is a work-related qualification at advanced level. You will spend time on engineering assignments and learn about how engineering products are designed and manufactured.

You will study nine units during each year of the two year programme to complete the eighteen unit qualification, which is equivalent to achieving three A Levels.

You will be expected to work both as part of a team and independently. This will help you to develop a responsibility for your own learning and prepare you for studying at university.

The Programme of Study covers a wide range of subjects ranging from designing Computer Aided Drafting through to manufacturing (mechanical, electrical and fabrication and welding engineering).

Subjects Studied

Some of the subjects you will study during the course are:

- Business systems for technicians
- Communications for technicians
- Engineering project (double unit)
- Mathematics for technicians
- Electrical and electronic principles
- Mechanical principles and applications
- Health, safety, risk assessment and welfare in the engineering workplace
- Engineering design
- Properties and applications of engineering materials
- Engineering drawing for technicians
- Computer Aided Drafting (CAD)
- Engineering primary forming processes
- Engineering secondary/finishing processes and techniques
- Welding principles
- Fabrication processes and technology
- Applications of welding technology
- Additional AS level Maths (essential for those students intending to go onto university)

Assessment

Each unit is assessed by marking your completed work-related assignments which are set and marked by your college tutor. They are then finally externally verified by Edexcel the awarding body.