



Engineering 2009/11

Level 2 Programme at Bridges

BTEC First Diploma in Engineering

Introduction

If you are looking for a career in engineering, but unsure which discipline, then this is the course for you. The course will give you both practical and theoretical experience in mechanical, electronic/electrical and aerospace engineering. This qualification includes core and specialist units and is directly relevant to the changing needs of the engineering industry.

Content

The delivery of the course promotes, in an interesting way, skills in:

- Team Building
- Problem Solving
- Communication
- Numeracy
- Hand and Eye Coordination
- Safe Working Practices

For the First Diploma students have to complete various units over the two years. These units will be taught by qualified teaching staff who have many years' experience in the engineering industry.

The First Diploma Units are:

- Applied electrical and mechanical science for technicians
- Assembly processes
- Electronic circuit construction and testing
- Mathematics for engineering technicians
- Selecting engineering materials
- Using and interpreting engineering information
- Using Computer Aided Drawing techniques in engineering
- Working practices in engineering

Assessment

Each unit will be assessed against grading criteria set by the awarding body. A variety of assessment methods are available such as performance observation,

written work, case studies and projects. Emphasis will be placed on the practical application of the grading criteria, providing wherever possible a realistic scenario for learners to work with and making maximum use of practical activities.

Progression

On successful completion of these qualifications, students may progress on to further studies in engineering. This may include Apprenticeship programmes, Level 3 engineering courses or post 18 degree level studies.

Entry Guidance

In order to take part in this course you must have an interest in engineering and meet the entry criteria as listed below. You must also have a good record of attendance and a positive behaviour report from your school. You will be expected to wear Personal Protective Equipment as detailed by Bedford College.

Entry Criteria (minimum)

KS3 Predicted Results

- Maths L6
- English L5
- Science L5 considered, L6 preferred

There are four stages to entry:

- Successful completion of an engineering aptitude test
- Application Form – to be submitted through your school
- An opportunity to visit the College and see our facilities and talk to staff
- Successful completion of the pre-course session in June 2009