



Motor Vehicle 2009/2011

Level 2 Programme at Bridges

BTEC First Diploma in Vehicle Technology

Introduction

This qualification is designed to give a broad introduction to working in the motor vehicle industry and to areas of specialism such as motor vehicle maintenance and repair and also offers the opportunity of accessing further study. The subject areas and syllabus content have been chosen to provide a good grounding in basic principles. It is orientated towards the application and the needs of the motor industry technician. The practical approach will be implemented throughout the course by sessions in the workshop.

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

There are 12 units to complete within two years. These units will be taught by qualified teaching staff who have many years' experience in the engineering industry.

Year 1 First Diploma units are:

Unit 1	Essential Working Practices in Vehicle Technology
Unit 5	Vehicle Engine System Principles
Unit 6	Vehicle Layout and Operation of Vehicle Systems
Unit 3	Engineering Skills for Vehicle Repair
Unit 2	Vehicle Electrical and Electronic Principles
Unit 11	Vehicle Wheels, Tyres, Steering and Suspension
Unit 12	Vehicle Fitting Operations – Brake Systems

Year 2 First Diploma units are:

Unit 13	Vehicle Fitting Operations – Exhaust Systems
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Unit 4	Vehicle Component Removal and Refitting
Unit 9	Routine Maintenance
Unit 7	Fault Diagnosis
Unit 17	Vehicle Valeting

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 and graded formal research assignments. 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 motor vehicle engineering. This may include Apprenticeship programmes, Level 3 courses or post 18 degree level studies.

Entry Guidance

In order to take part in this course you must be self motivated and have a keen interest in motor vehicle 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 the Selectahead mechanical reasoning 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