



## SCHOOL FOR ENGINEERING

### MECHANICAL ENGINEERING SKILLS COURSE (FULL-TIME)

#### ***Is this the right course for me?***

Yes- if you are interested in working in the building industry.

Yes- if you want to gain the qualifications that building companies recognise.

Yes- if you want to gain practical experience while you are developing your skills.

#### ***What will I need to join the course?***

If you are attending school, or have recently attended school, you should be able to convince us that you have a sound reason for choosing this course. You will have to successfully complete an entry test and you require 3 GCSEs at Grade C or above (e.g. Maths, Science + other). The course is open to all age groups, male or female, whatever your age or background you will certainly be a person who enjoys working with your hands, linked to a curiosity of how things work.

#### ***What will I be doing?***

Following the City and Guilds 2800 Level 2 Certificate in Manufacturing Technology & NVQ Level 2 in Performing Engineering Operations (Mechanical Options).

Developing existing practical skills and relevant technical knowledge for safe use of materials and equipment in the following areas:

#### C&G 2800 Units

701 Working in Engineering

702 Engineering Technology

703 Manufacturing Technology

704 Machining by Milling

705 Machining by Turning

#### PEO NVQ II Units

001 Health & Safety

002 Communication

003 Working Effectively & Efficiently in Engineering

011 Preparing & Using Milling Machines

012 Preparing & Using Centre Lathes

#### Additional/Optional Units

707 Using Bench Fitting Techniques

728 Heat Treating Engineering Materials

005 Producing Components Using Hand Fitting Techniques

054 Heat Treating Engineering Materials

- Key Skills in number, communications and ICT
- . Tutorial sessions will be provided on a regular basis

The course starts with basic mechanical principles and practice, and is assessed through the year. The fulltime students will be working with the part time apprentices undertaking the Practical Training Programme in the first year, as well as developing their understanding of the theory. Students, if successful in each module, will progress through Units 701 to 703 of the City & Guilds 2800 Level 2 Certificate in Manufacturing Technology in year 1. Students must pass all parts of the first year before applying to go onto the second year.

In the second year you will continue to gain further experience in college to enable you to complete the practical projects for the City & Guilds 2800 Level 2 Certificate in Manufacturing Technology and for the NVQ Level 2 in PEO.

***How will my progress on the course be assessed?***

All work is assessed continually with practical workshop tasks, end of module exams and practice assignments.

*Continued overleaf...*

**How long will the course last and what patterns of attendance are available?**

The course lasts 2 years and attendance is 15 hours per week.

**What will I achieve?**

You should gain, on successful completion of the course, City and Guilds 2800 Level 2 Certificate in Manufacturing Technology **AND** an NVQ Level 2 in Performing Engineering Operations. You will also have the knowledge and skills to enable you to seek employment in the building industry which is still one of the major employment sectors in the UK.

**What will it cost?**

All fees change from each academic year depending on funding; please speak to student services for any updates.

Students under 19 do not pay tuition or exam fees.

You will need to provide protective clothing and safety boots/shoes and course books that will be advised by tutor.

**And the future?**

The type of work in the building industry is so varied that your future will depend on your skills, preferences and the opportunities available. The College offers the opportunity to enter into employment through the Modern Apprenticeship Programme. Depending on your progress on the Skills course you may complete your apprenticeship at an accelerated pace.

**What should I do now?**

If you wish to be interviewed for a place on this course please complete an application form and return it to the **Reception or Student Services**.

If you have any queries please ring **Student Services** on freephone 0800 854 695 which is open from 10.00am to 4.00pm Friday.

*It is the policy of this College that everyone is entitled to equality of opportunity in education and training.*

*Please note that all the details on this fact sheet were correct at the time of printing and may be subject to change.*

If you would like this factsheet in larger print or alternative format e.g. Braille or audio tape, please contact Study Skills Support on (01502) 525191