

SCHOOL FOR ENGINEERING

WELDING & FABRICATION SKILLS LEVEL 2 AWARD

Is this the right course for me?

This course is designed to provide opportunities for students not yet in employment to develop their knowledge and understanding, and gain practical welding and fabrication skills. It includes some study of craft principals and is largely practical in nature, the elements of the course being designed to provide the training required by apprentices in welding, fabrication and sheet metal work which forms the basis of an apprenticeship within industry.

What will I need to join the course?

The entry requirements for this course are 3 GCSEs at grade D or above or a suitable qualification at Level 1, an aptitude for welding and fabrication craft skills and the interest and ability to cope with the demands of the course. Students will also need to provide protective footwear and overalls, stationery and specialist engineering drawing equipment. Applications from students without these entry requirements may wish to apply for a place on the Welding & Fabrication Skills Level 1 course, and are subject to an interview.

What will I be doing? (NVQ element)

You will follow a work related programme which will give you an understanding of the engineering principles and the practice skills required by the modern tradesperson. You will be involved in classroom study, but mainly you will carry out workshop activities in MMA welding, fabrication and sheet metal work to demonstrate your practical abilities. In addition you will maintain a portfolio of your activities to provide the appropriate evidence on the following units:

- Health and Safety
- Working effectively and efficiently in engineering
- Using and communicating technical information
- Producing sheet metal components and assembly
- Producing plate work components and assemblies
- Preparing and using manual metal arc welding

What will I be doing? (Technical Certificate)

You will be tutored in following topics in preparation for the exams required for your technical certificate.

- Metal arc gas shield welding (practical)
- Metal arc gas shield (theory)
- Fabrication (practical)
- Fabrication (theory)
- Engineering drawing
- Related studies

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

The course lasts for 1 year full time, commencing September. 3 days a week, 34 weeks. There will be practical workshops and supporting lessons for most of the time.

How will my progress on the course be assessed?

Your knowledge will be assessed by written assignments, multiply choice tests and written exams.

The major part of assessment will be of your ability to perform the practical tasks which will be assessed through your performance in the workshops.

What will I achieve?

If you complete the programme successfully you will be awarded the 165 Fabrication and Welding practice Certificate at Level 2 and the EMTA NVQ qualification Performing Engineering Operations. You will also have shown your ability to work at this level and made valuable additions to your National Record of Achievement.

Functional Skills

Through your studies you will be given the opportunity to improve and receive certification of your Key Skills in Communication, Application of Number and Information Technology. In many cases you will also be able to achieve further qualifications in Problem Solving, Improve Own Learning and Performance as well as Working with Others. All key skills are nationally recognized qualifications to improve not only your employability skills but also assist your university application by attracting additional UCAS points.

What will it cost?

To be discussed at interview

Students under 19 do not pay tuition or exam fees.

And the future?

You will be well placed to begin a career in any branch of Welding, Fabrication and Sheet metal industries or continue your further education. If you gain appropriate employment you may progress to further studies at NVQ Level 3, or if you wish to develop your understanding of engineering then you could join the Btec National Diploma in Operations & Maintenance at Level 3. There may also be the opportunity to gain employment through the Modern Apprenticeship Scheme.

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 Monday to 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 course information sheet in larger print or alternative format, e.g. Braille or audio tape, please contact Study Skills Support on (01502) 525191