National 5 Practical Metalworking (Course Code: C882 75)

SCQF Level 5 (24 Credit Points)

Why study Practical Metalworking?

This course will give you a broad introduction to practical metalworking skills. You will learn the correct use of tools and equipment, and a range of materials, processes and techniques. And, you will be able to read and interpret diagrams, and work safely in a workshop-based setting. You will get to use some creative skills, and plan your activities through to completing a finished product in metal.

The skills you learn in this course will help you move into career areas such as craft, design, engineering and graphics.

Career Pathways

To see what career areas this subject could lead to and the routes to get there, download and view these career pathways:

Art and Design

Communications and Media

Construction

Engineering

Garage Services

Manufacturing Industries

Performing Arts

Property and Facilities

Transport and Distribution

What do I need to get in?

The school or college will decide on the entry requirements for the course. You would normally have achieved:

- **National 5 Practical Metalworking**

What will I study?

In this course you will develop manual dexterity and control skills in a specialist practical craft. You will learn about the correct use of a range of tools, equipment and materials. The skills you learn in this course are also useful to

other areas such as woodworking. And, you will learn how to work effectively alongside others in a workshop environment.

The course comprises **three** areas of study.

Bench Skills

You will devlop:

- skills, knowledge and understanding in the use of metalworking hand tools, bench-fitting work, routine sheet-mteal work, measuring and marking out, involving complex features
- your ability to read and use drawings and diagrams depicting both familiar and unfamiliar metalwork tasks.

Machine Processes

You will develop skills, knowledge and understanding in:

- the use of metalworking machines, equipment, related processes, materials, measuring and marking out, involving complex features.

Fabrication and Thermal Joining

You will:

- develop skills, knowledge and understanding in fabrication, forming and joining of metalwork components with some complex features
- develop skills in thermal joining techniques and in measuring and marking out.

How will I be assessed?

The course assessment has **one** component **totalling 80 marks**:

- Component 1: practical activity – 80 marks.

For the practical activity you will be asked to make a finished product from metal. The assessment will be set by the Scottish Qualifications Authority (SQA). Your work will be assessed by a visiting SQA assessor.

The question paper will be set and externally marked by SQA.

The grade awarded is based on the total marks achieved across all course assessment components.

The course assessment is graded A-D.

Study Materials

- SQA Past Papers Practical Metalworking National 5

- SQA Specimen Paper Practical Metalworking National 5
- SQA Understanding Standards Practical Metalworking

What can I go on to next?

Further study, training or employment in:

- Art and Design
- Communications and Media
- Construction
- Engineering
- Garage Services
- Manufacturing Industries
- Performing Arts
- Property and Facilities
- Transport and Distribution