

# Engineering

## Foundation Apprenticeship SCQF Level 6

### What skills will you gain?

Foundation Apprenticeships (FA) are a new opportunity being offered to senior pupils. You have the opportunity to complete the first stages of a Modern Apprenticeship (MA) along with the traditional subjects such as maths, English and a technical subject such as physics and/or engineering science. The FA in Engineering provides the opportunity to achieve component parts of the MA. Starting in S5 pupils will also complete a placement or industry challenge with a local employer while working towards the qualification through school and college. This FA will introduce the skills necessary for the modern professional Engineering Technician and provide an insight to the many career options available.

This course is made up of two components:

1. National Certificate (NC) in Engineering Systems at SCQF Level 6. 12 units must be achieved in order to gain the full NC award, these units may include:

- Communications
- Mathematics for Technicians
- Engineering: Applying IT
- Engineering Materials
- Engineering Systems
- Mechanical Principles
- Electrical Principles
- Process Chemistry: An Introduction
- CAD for Engineers
- Health & Safety: Engineering
- Engineering Dynamics: An Introduction
- Electrical testing & measurement

2. Minimum of five SVQ Level 2 Performing Operations units, 3 mandatory & 2 optional:

- Complying with statutory regulations & organisational safety requirements
- Working efficiently & effectively in Engineering
- Using & communicating technical information

The optional units will include two of the following skills, to be determined by the college: Milling; Turning; Welding or Handskills

This course is not about Automotive e.g. engines and how to fix them or craft skills; it is mainly academic.

### Entry Requirements?

Pupils must have or be working toward National 5 maths (life skills maths is not suitable) and engineering science with a view to undertaking Highers in the associated subjects in S6. Demonstrate an interest and passion for working in the engineering sector and have a satisfactory reference.

### How and where will I study?

You will study through face to face delivery at North Highland College UHI Thurso campus. Delivery starts in June with a one day induction, then from August a full day on a Friday over two academic years. Work placements will take place over the school holiday periods.

### Where will it take me?

On completion, you can progress onto the HNC/D Engineering Systems, BEng (Hons) Electrical and Electronic Engineering or BEng (Hons) Mechanical Engineering at North Highland College UHI (in conjunction with other relevant Highers at specified grades as per our prospectus) or you can apply for an engineering modern apprenticeship.

### How do I apply?

The senior phase programme offered at North Highland College UHI is embedded in your option choices at school. Once you have decided on the course you would like to apply for, please speak to your Guidance Teacher who will advise you on how to apply. Please ensure you complete all sections on the application form, paying particular attention to your personal statement.

For more information please visit: