



OSCEAP
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Foundation Apprenticeship in Engineering

ENGINEERING

SCQF Level 6

Did you know that 200,000 skilled engineers are needed between now and 2024 to meet demand? Engineers design, create, test, and improve all sorts of products and processes. Engineers are highly sought after in emerging industries such as renewable energy, pharmaceuticals, digital infrastructure, food and fast-moving consumer goods (FMCG) production as well as more traditional fields such as mechanical engineering, fabrication and welding.

CAREER PATHWAYS

- Energy
- Manufacturing and mechanical
- Fabrication and welding
- Renewables

COURSE DESCRIPTION

This Foundation Apprenticeship aims to give you the opportunity to develop the skills and knowledge to enter into a career in engineering and the advanced manufacturing sector or other engineering related industries. The programme will equip you with industry theory and practice-related work experience. You will learn in a classroom environment, have industry led talks and carry out a work placement with a local employer to undertake the work-based units of the course.

COURSE CONTENT

NC Element

- Communication Core Skill Unit
- Mathematics: Technician 1
- Engineering: Applying information technology
- Computer Aided Draughting (CAD) for engineers
- Engineering dimensional control
- Engineering manufacturing processes
- Engineering workshop skills
- Graphical engineering communication
- Engineering assembly skills
- Material removal practice: Milling
- Material removal practice: Turning
- Engineering project

SVQ elements

- Complying with statutory regulations and organisational safety requirements
- Using and interpreting engineering data and documentation
- Working efficiently and effectively in engineering
- Producing mechanical engineering drawings using a CAD system
- Using computer software packages to assist with engineering activities

SKILLS DEVELOPED

- Communication
- Problem solving
- Working with others
- Time management

ENTRY REQUIREMENTS

- 3 National 5s at grade C or above, in English, Maths and Physics
- It is essential that you undertake both Higher English and Maths in S5 to attain a C Pass. If you later require to resit Higher English or Maths, you will be expected to undertake the SCQF Level 6 Communication and Maths Technician units at an additional time to your FA course
- Successful achievement of an industry related aptitude test
- You must be capable of working at SCQF Level 6 (Higher) in S5 preferably English or Maths
- An excellent attendance record in school

COURSE DURATION

2 years

TARGET YEAR GROUP

S5

ADDED VALUE FOR FUTURE PROGRESSION

Fife College will accept achievement of the FA in Creative and Digital Media as equivalent of two Highers which will support you to gain entry to one of the following: (Dependent on subjects studied) HNC: Engineering, HNC: Engineering Systems, HNC: Electrical Engineering, HNC: Manufacturing Engineering, HNC: Fabrication and Welding or HNC: Mechanical Engineering at SCQF Level 7.

UCAS Tariff Points: 56

SCQF Credit Points: 87 (minimum)