

APPRENTICESHIP IN ENGINEERING

Apprenticeships benefit you by:

- Offering the best programme of engineering training available for your operator/semi-skilled employees
- Suitable for young people and adults
- Average length of programme: 2 years
- Local LSC funding support available dependent on age on entry

The Apprenticeship in Engineering scheme provides the best possible preparation to achieving trained operator/semi-skilled status within the industry. It may also, where appropriate, provide positive progression to an Advanced Apprenticeship or higher-level work.

Below is an example list of sub-occupations that the framework is suitable for:

- Aerospace assembly
- Automotive assembly
- Casting
- Electrical engineering assembly
- Electronics engineering assembly
- Lift maintenance
- Mechanical engineering
- Maintenance
- Materials engineering
- Ship building and repair
- Test
- Welding and fabrication

The core sectors covered by SEMTA relating to this framework are:

- Aerospace
- Automotive
- Basic metals
- Electrical equipment
- Electronics
- Other transport equipment
- Mechanical equipment
- Ship building

In engineering, the Apprenticeship framework must meet the needs of very different types of employers and very different levels of work, across the diversity of engineering sectors, including the sophisticated sectors of electronics and semi-conductor technology. The framework must also cater for modern work methods in industry such as lean manufacture, team and cell working and modern manufacturing and control techniques.

APPRENTICESHIP IN ENGINEERING CONTINUED

Recruitment and Selection (by the company)

Successful applicants should have at least 3-5 GCSE grades D to G including English, Maths and a Science and be able to demonstrate the potential to achieve:

- NVQ Level 2
- Key Skills at Level 1 and 2
- Technical Certificate at level 2

Your local careers centre, Connexions service or Group Training Scheme or College of FE may be able to help you identify suitable people. Adults would be identified from your current workforce.

Training Agreement

This puts in writing the commitment and responsibility of:

- your company
- the training provider and
- the apprentice

to the apprenticeship programme.

Employment Responsibilities and Rights (ERR)

Your apprentices need to cover:

- the responsibilities and rights of workers (including equal opportunities legislation)
- the procedures and documentation within your organisation
- the career pathways open to them
- representative bodies, and their roles and responsibilities

Initial Engineering Training

This equips apprentices with the basic engineering skills, knowledge and understanding they need before starting the more job specific in-company training. Ideally, it should be delivered off-the-job in a safe training environment.

All apprentices receive training in Health and Safety but must also obtain 3 of the 6 units required by NVQ Level 2 in Performing Engineering Operations:

- Unit 1 - Working safely in an engineering environment
- Unit 3 - Using and communicating technical information
- Unit 4 - Identifying and selecting engineering materials.

Key Skills

These are essential skills that your apprentices need to work as members of a flexible, adaptable and competitive workforce. Your staff use these skills in most of their activities at work - such as writing reports, using IT, working as a team and using numbers confidently.

APPRENTICESHIP IN ENGINEERING CONTINUED

Apprentices will be aiming to achieve levels 1 and 2, where:

- level 1 describes the skills which people use in routine situations
- level 2 shows how people should take responsibility to select and apply their skills in tasks that occur regularly at work

Technical Certificate

This is a Vocationally Related Qualification, which focuses on the underpinning knowledge and understanding of the NVQ at level 2. It can also provide additional knowledge and skills, which will help apprentices progress to a Higher Education, or higher-level skills.

Development stage Training

This is where apprentices must gain the skills your company needs. Completion of:

- an appropriate NVQ level 2
- a relevant Technical Certificate through Vocational Education (see above) provides proof of competence.

Talk to your local training provider for detailed advice about the wide range of NVQs available.

Apprenticeship Certificate

The Apprenticeship certificate will be awarded to those candidates who complete the following requirements:

- Initial Engineering Training (IET): 3 Units of PEO NVQ level 2
- 5 Key Skills at levels 1 and 2 (Application of Number, Communication, ICT, Working With Others and Improving Own Learning Performance).
- Technical Certificate at Level 2
- NVQ Level 2
- Completion of ERR-01

APPRENTICESHIP IN INDUSTRIAL APPLICATIONS

Apprenticeships benefit you by:

- Offering the best programme of manufacturing training available for your operator employees
- Suitable for young people and adults
- Average length of programme: 1 year
- Local LSC funding support available dependant on age on entry

The Apprenticeship in Industrial Applications scheme provides the best possible preparation to achieving trained operator/semi-skilled status within manufacturing industry. It may also, where appropriate, provide positive progression to an Advanced Apprenticeship or higher-level work.

The framework is suitable for a wide range of manufacturing occupations. An example list is illustrated below:

- Process worker
- Tyre maker
- Composite worker
- Metal polisher
- Boiler operator
- Enameller
- Foundry worker
- Machine operator
- Assembly worker

The Apprenticeship in Industrial Applications framework must meet the needs of very different types of employers and very different levels of work, across the diversity of manufacturing sectors. The framework must also cater for modern work methods in industry such as lean manufacture, team and cell working, and modern manufacturing and control techniques.

Recruitment and Selection (by the company)

Successful applicants should have at least 3-5 GCSE grades D to G including English, Maths and a Science and be able to demonstrate the potential to achieve:

- NVQ Level 2
- Key Skills at Level 1

Your local careers centre, Connexions service or Group Training Scheme or College of FE may be able to help you identify suitable people. Adults would be identified from your current workforce.

Training Agreement

This puts in writing the commitment and responsibility of:

- your company
- the training provider and
- the apprentice

to the apprenticeship programme.

APPRENTICESHIP IN INDUSTRIAL APPLICATIONS CONTINUED

Employment Responsibilities and Rights (ERR)

Your apprentices need to cover:

- the responsibilities and rights of workers (including equal opportunities legislation)
- the procedures and documentation within your organisation
- the career pathways open to them
- representative bodies, and their roles and responsibilities

Key Skills

These are essential skills that your apprentices need to work as members of a flexible, adaptable and competitive workforce. Your staff use these skills in most of their activities at work - such as writing reports, using IT, working as a team and using numbers confidently.

Apprentices will be aiming to achieve levels 1, where:

- level 1 describes the skills which people use in routine situations

Development Stage Training

This is where apprentices must gain the skills your company needs. Completion of:

- PEO NVQ level 2 or
- PMO NVQ level 2

Apprenticeship Certificate

The Apprenticeship certificate will be awarded to those candidates who complete the following requirements:

- 2 Key Skills at levels 1 (Application of Number and Communication)
- NVQ Level 2: PEO or PMO
- Completion of ERR-01