

ADVANCED APPRENTICESHIP IN ENGINEERING

Advanced Apprenticeships benefit you by:

- Offering the best programme of engineering training available for your craft/technician level employees
- Suitable for young people and adults
- Average length of programme: 3 years
- Local LSC funding support available dependent on age on entry

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

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

- Aerospace craftsman/technician
- Automotive craftsman/technician
- Casting craftsman/technician
- Design technician
- Electrical engineering craftsman/technician
- Electronics engineering craftsman/technician
- Fabrication craftsman/technician
- Lift maintenance engineers craftsman/technician
- Mechanical engineering craftsman/technician
- Maintenance craftsman/technician
- Materials engineering craftsman/technician
- Ship building and repair craftsman/technician
- Test technician
- Welding craftsman/technician
- Team leader

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 Advanced Apprenticeship framework must meet the needs of very different types of employers and very different levels of work, covering not only the traditional concept of craft, engineering technician and incorporated technician engineer but 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 multi-skilling, team and cell working and modern manufacturing and control techniques.

ADVANCED APPRENTICESHIP IN ENGINEERING CONTINUED

Recruitment and Selection (by the company)

Successful applicants should have:

- 3-5 GCSE grades A* to C including English Maths and a Science (technician)
- 3-5 GCSE grades D to E including English Maths and a Science (craft)

In both cases they should demonstrate the potential to achieve:

- NVQ level 3
- Key skills at level 2
- Technical Certificate at level 3

Your local careers centre, Connexions service (young people), Group Training Scheme or College of FE may be able to help you identify suitable young 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
- 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 the case of young people). Adults may alternatively undertake units of the Performing Manufacturing Operations (PMO) NVQ level 2 as an alternative.

Apprentices need to complete a minimum of 8 units from Performing Engineering Operations (PEO) level 2, including two essential units for the workplace:

- Unit 1 - Working safely in an engineering environment
- Unit 3 - Using and communicating technical information

The remaining units can be chosen to meet business and career needs.

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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 member and using numbers confidently. Advanced Apprentices will achieve 5 key skills at level 2.

Technical Certificate

This is a Vocationally Related Qualification that focuses on the underpinning knowledge and understanding of the NVQ level 3. It can also provide additional knowledge and skills, which will help apprentice's progress towards 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 3
- a relevant Technical Certificate (see above)

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

Advanced Apprenticeship Certificate

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

- Initial Engineering Training (IET): 8 Units of PEO NVQ level 2 (young people) or 6 units of PMO (adults)
- 5 Key Skills at level 2 (Application of Number, Communication, ICT, Working With Others and Improving Own Learning Performance).
- Technical Certificate at Level 3
- NVQ Level 3
- Completion of ERR-01