

## HIGHER APPRENTICESHIP IN ENGINEERING TECHNOLOGY

Higher Apprenticeships benefit you by:

- Offering the best programme of engineering training available for engineering technician and incorporated engineer level employees
- Suitable for young people and adults
- Average length of programme: 3 years

The Higher Apprenticeship in Engineering Technology provides the best possible preparation to achieving engineering technician and incorporated engineer status within the industry. It may also, where appropriate, provide positive progression to chartered engineer or higher-level work.

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

- Aerospace engineering technician, incorporated engineer
- Automotive engineering technician, incorporated engineer
- Electrical engineering technician, incorporated engineer
- Electronic engineering technician, incorporated engineer
- Mechanical engineering technician, incorporated engineer
- Maintenance engineering technician, incorporated engineer
- Materials engineering technician, incorporated engineer
- Design engineering technician, incorporated engineer
- Development engineering technician, incorporated engineer
- Test engineering technician, incorporated engineer

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

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

In engineering technology, the Higher 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 engineering technician and incorporated engineer job roles, 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, team and cell working, and modern manufacturing and control techniques.

### Initial Vocational Training

This provides everyone with a sound practical appreciation of the 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.

## HIGHER APPRENTICESHIP IN ENGINEERING TECHNOLOGY CONTINUED

### Key Skills

These are essential skills that your learners/employees 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.

### Vocational Development

This is where your learner/employee develop their professional skills to national standards, using a hands-on project-based approach. It offers them a chance to apply and demonstrate their knowledge within the workplace as part of a work team, while developing investigative analytical and interpersonal skills.

All learners/employees receive:

- Technical work-based skills
- Higher education knowledge and learning
- Generic key skills
- Profession registration

### Higher Education

This is a relevant HNC, HND or Foundation Degree delivered by a university, FE college, training provider. It can take three to four years and enable learners/employees to study at levels between HNC and Foundation Degree, with progression to Honours and Masters Degree in engineering technology.

The Foundation Degree course may:

- Be studied full time or part-time
- Be fully integrated with a work-based learning
- Offer progression to Honours Degree