

A GUIDE TO **APPRENTICESHIP STANDARDS**

ALL APPRENTICE STANDARDS CONTAIN

20% off the job training

End Point Assessment (EPA)

Must last at least a year and a day

All Contain criteria to be passed split into 3 areas:

- Knowledge
- Skills
- Behaviours

All standards can be found at:

www.instituteforapprenticeships.org/apprenticeship-standards

LEVEL 3 ENGINEERING TECHNICIAN STANDARD

Technical Support Technician (3 - 4 years)

Mandatory Qualifications:

- Foundation Competence
- BTEC AME Diploma
- Development Competence

Toolmaker and Tool & Die Maintenance Technician (4 years)

Mandatory Qualifications:

- Foundation Competence
- BTEC AME Diploma
- Development Competence

Mechatronics Maintenance Technician (4 years)

Mandatory Qualifications:

- Foundation Competence
- Gateway Assessment
- BTEC AME Diploma
- Development Competence

Product Design and Development Technician (4 years)

Mandatory Qualifications:

- Foundation Competence
- Gateway Assessment
- BTEC AME Diploma
- Development Competence

Machinist (4 years)

Mandatory Qualifications:

- Foundation Competence
- Foundation Knowledge (L2 VRQ)
- Development Competence
- Foundation Knowledge (L3 VRQ)

Level 2 General Welder (12 - 18 months)

- No Mandatory Qualifications

Level 2 Engineering Operative (12 - 18 months)

Mandatory Qualifications:

- Diploma in Engineering
- Certificate in Engineering Operations (Knowledge)

Level 3 Metrology (2 1/2 to 3 years)

- No Mandatory Qualifications
- 18 Units from National Physics Lab Metrology curriculum taught as part of Apprenticeship

Level 3 Engineering Fitter (4 years)

Mandatory Qualification:

- BTEC AME Diploma

Level 3 Installation Electrician/ Maintenance Electrician (4 years)

Mandatory Qualification:

- C&G Electrotechnical Qualification (Installation) or (Maintenance)

Level 3 Utilities Engineering Technician (3 - 4 years)

Mandatory Qualifications:

- 22 units of the Mandatory Core requirements

Optional:

- Foundation Competence & BTEC AME Diploma

Level 3 General Welder (4 years)

- No Mandatory Qualifications

Level 4 Engineering Manufacturing Technician (3 - 4 years)

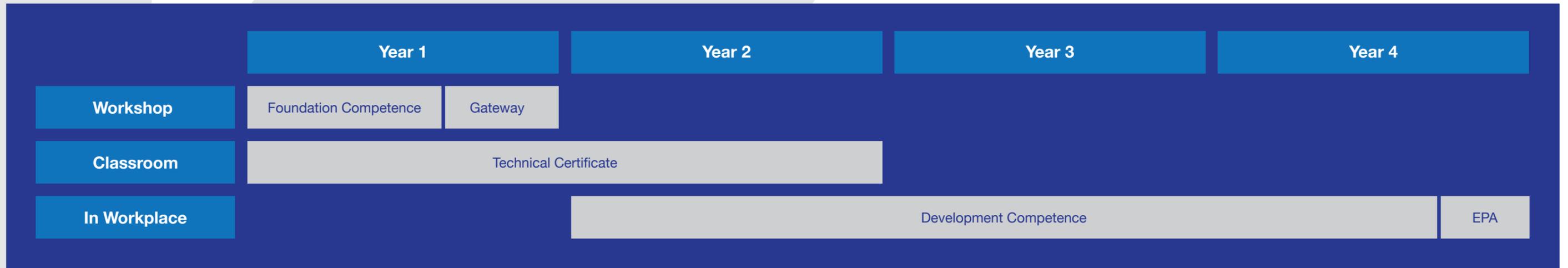
Mandatory Qualification:

- Higher National Certificate in Engineering (HNC)

Level 5 Improvement Specialist (14 - 18 months)

- No Mandatory Qualifications

EXAMPLE TIMELINE



Standards can be found at;

[Apprenticeship standards / Institute for Apprenticeships and Technical Education](#)

Knowledge, Skills and Behaviours

These are the 3 areas of an apprenticeship that must be achieved. Knowledge is the theory required, Skills are the practical skills needed to be achieved, and these are different for each apprenticeship. Behaviours are similar in all apprenticeships and are the life skills you need to be a good employee, such as communication, working in teams and safe working amongst others.

End Point Assessment (EPA)

This is the assessment at the end of the apprenticeship, it contains various elements dependent on the apprenticeship, such as practical observations, interviews with a specialist assessor, portfolio of work or a presentation. The EPA is the last part of the apprenticeship, when passed the apprenticeship is complete.

BTEC Advanced Manufacturing Engineering Diploma

A technical certificate containing 11 or 12 units taught in the classroom on a day release in year 1 and either week release or day release on year 2. Year 1 units include Maths, Electrical and Mechanical science, Engineering Drawing and Health and Safety. Year 2 contains a project and 4 other subjects relevant to the apprenticeship. There are various combinations of units, dependant on the course and company requirements. [Specification](#)

Foundation Competence

10 units completed in the centre in the workshop. 3 are paperwork units completed in tutorials and apprentice's own time. 7 units are practical units. All do Lean plus 6 others dependant on their apprenticeship. Units include subjects like Bench, Machining, Fluid power, CAD, Maintenance, Electrical as well as other areas. [Specification](#)

Development Competence

The qualification carried out whilst at work during the 2 – 4 years of the apprenticeship. It contains a number of units some mandatory and some optional, all based on the work the apprentice does in their workplace. For an example see [Specification](#) though this is different for each pathway.

Gateway Assessment

A 3-day assessment at the end of the foundation competence, which assesses the apprentice's skills and behaviours learned during the foundation phase. [Specification](#)

Level 2 and 3 Knowledge competence (VRQ)

These are the technical certificates in the machinist pathway, they are both classroom and workshop based and have both exams and assessments. The level 2 lasts 1 year and the level 3 follows in the next 2 years. [Level 2 Specification](#) and [Level 3 Specification](#)

Higher National Certificate in Engineering (HNC)

The technical certificate for the Engineering Manufacturing Technician, this qualification is also offered as a stand-alone Level 4 qualification. It is a 2-year day release program with 3 pathways: Electrical/Electronic, Mechanical and Manufacturing. Each pathway has 8 units with both mandatory and optional units. Year 1 is the same for all the pathways with year 2 containing a project and specialist units [Specification](#)

Electrotechnical Qualification

This is a 3-year program from City and Guilds, which is the mandatory qualification in the Electrotechnical apprenticeship, it is both a practical and theory course. See [Electrotech apprenticeship qualification information](#)

L2 Certificate in Engineering Operations and Diploma in Engineering

The Certificate in Engineering Operations is the technical certificate in the level 2 engineering operative apprenticeship, this is taught on the shop floor alongside the Diploma in Engineering which is the practical qualification the diploma is a shortened version of the foundation competence with 7 units instead of 10. Certificate in Engineering Operations [Specification](#) and Diploma in Engineering [Specification](#)

