

Some examples of qualifications for careers in Engineering and Technology

<p><u>Levels 1 and 2</u></p> <p>England, Wales and NI:</p> <ul style="list-style-type: none"> ▪ GCSE Science ▪ GCSE Additional Science ▪ GCSE Additional Applied Science ▪ GCSE Applied Science (Double Award) ▪ GCSE Biology, GCSE Chemistry, GCSE Physics ('Triple Science') ▪ GCSE Maths ▪ BTEC First Certificate in Applied Science ▪ BTEC First Diploma in Applied Science ▪ OCR National (level 2) Award Science ▪ OCR National (level 2) Certificate Science ▪ City and Guilds (Level 2) e.g. Certificate in Engineering, Engineering Maintenance <p>Scotland:</p> <ul style="list-style-type: none"> ▪ Standard Grade Biology, Maths, Chemistry and Physics 	<p><u>Level 3</u></p> <p>England, Wales and NI:</p> <ul style="list-style-type: none"> ▪ GCE AS and A level Biology, Maths, Chemistry and Physics, Further Maths ▪ GCE AS and A level Applied Science (single and double awards) ▪ BTEC National Awards in Biology, Maths, Chemistry and Physics ▪ BTEC National Certificate in Applied Science ▪ BTEC National Diploma in Applied Science ▪ City and Guilds (Level 3) e.g. certificate in Aeronautical Engineering <p>Scotland:</p> <ul style="list-style-type: none"> ▪ Higher and Advanced Higher Biology, Maths, Chemistry and Physics
---	---

Vocational

A wide range of National Vocational Qualifications (NVQs) and Scottish Vocational Qualifications (SVQs) are available at levels 1, 2 and 3.

Apprenticeships

<p><u>In England:</u></p> <ul style="list-style-type: none"> ▪ Young Apprenticeships (appropriate for Key stage 4) ▪ Apprenticeships <p>The framework contains NVQ level 2 and a technical certificate such as BTEC First Certificates and Diplomas and</p> <ul style="list-style-type: none"> ▪ Advanced Apprenticeships <p>The framework contains NVQ level 3 and a technical certificate such as BTEC National Certificates and Diplomas</p> <p>These are available in several areas of engineering and other sectors. For more information about apprenticeships in Northern Ireland</p>	<p><u>In Wales:</u></p> <ul style="list-style-type: none"> ▪ Foundation, Modern and Shared Apprenticeships <p>(structure similar to Apprenticeships in England)</p> <p><u>In Scotland:</u></p> <ul style="list-style-type: none"> ▪ Modern Apprenticeships <p>(structure similar to Advanced Apprenticeships in England)</p>
---	--

Diplomas

In England, new [Diplomas](#) at Foundation, Higher and Advanced level:

- Construction and the Built Environment
- Engineering
- IT

Baccalaureates

- [International Baccalaureate](#)
- [Welsh Baccalaureate](#) (foundation, intermediate and advanced)
- Scottish Science Baccalaureate is being developed