Key subject uptake

Double Double science* - 989,264 16.1% science 16.1% Maths - 893,198 14.5% 2.8% Chemistry - 174,088 Physics - 173,227 2.8% **Entries into key** 1.5% Computing - 91,619 GCSE subjects and proportion of all entries: Design & technology - 86,307 1.4% Engineering - 2,476 0.04%

*Double science counts for 2 entries per student

All engineering and tech-related: 5,643 (47%)

Maths - 34,775	10.4%
Chemistry – 15,210	4.6%
Physics - 13,680	4.1%
Practical woodworking – 9,040	2.7%
Computing science – 6,585	2%
Design and manufacture – 3,990	1.2%

T Level

uptake

Entries into key Scottish National 5 subjects and proportion of all entries:

> Entries into key Scottish Higher subjects and proportion of all entries:

> > 1,472

1,110

1,022

Entries into key
A level subjects
and proportion of
all entries:

Maths 12.7% +-×÷

Maths - 112,138	12.7%
Chemistry - 63,538	7.2%
Physics - 44,957	5.1%
Computing – 19,796	2.2%
Design & technology – 10,576	1.5%
Maths - 19,705	9.7%
Chemistry – 10,120	5.0%
Physics – 8,560	4.2%
Computing science – 3,960	2%
Design and manufacture – 1,940	1%

There are many different routes into engineering and technology roles, but there are some key STEM subjects that set young people up well for following this career path. Girls are underrepresented in all key subjects and pathways into engineering and tech.

Apprenticeship uptake

Engineering and technology-rated apprenticeship starts

97,120 England

5, 025 Wales 12,026 Scotland

> 4,316 Northern Ireland*

*STEM apprenticeship starts

Higher education – first year



38,615

undergraduates:

engineering and technology

students, around 6% of all subjects

8,680 mechanical engineering

6,115 electronic and electrical engineering

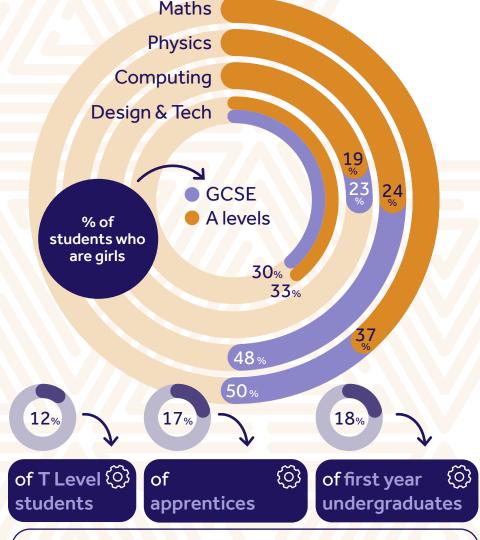
6,080 general engineering

5,285 civil engineering

3,845 aerospace engineering

2,750 chemical, process and energy engineering 2,430 production and manufacturing engineering

3,430 other engineering and technology subjects



in engineering and technology are women

83%

of teachers say they know what subjects their students would need to take to have a career in engineering 48%

of parents say they understand the subject requirements to follow an engineering career path



www.engineeringuk.com/references

Digital production, design

Design and development for

engineering and manufacturing

Design, surveying and planning

and development

for construction