



**TOTAL PEOPLE**  
LEADERS IN LEARNING®

**CAREERS  
EDUCATION,  
INFORMATION,  
ADVICE AND  
GUIDANCE  
ENGINEERING**

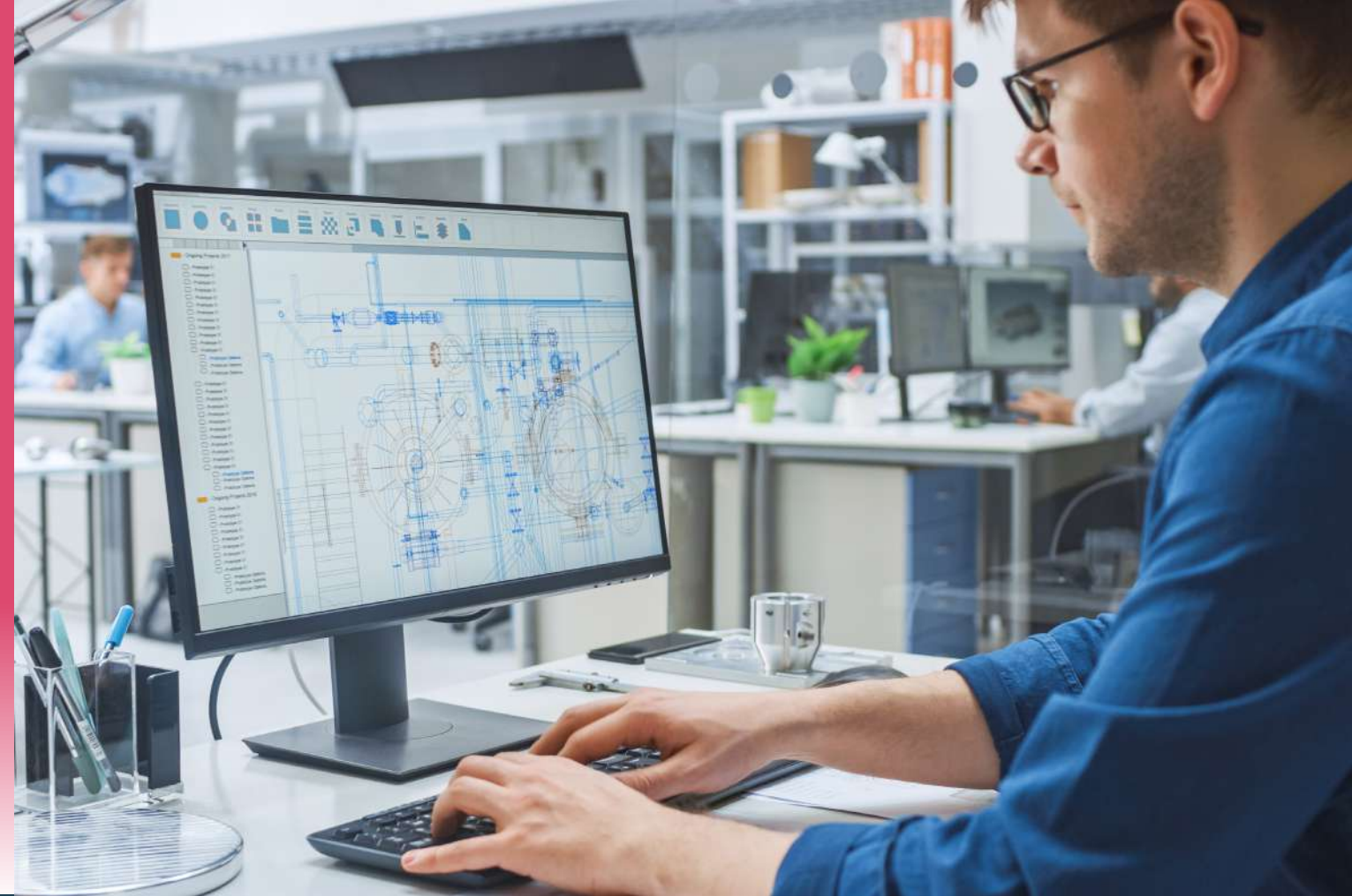
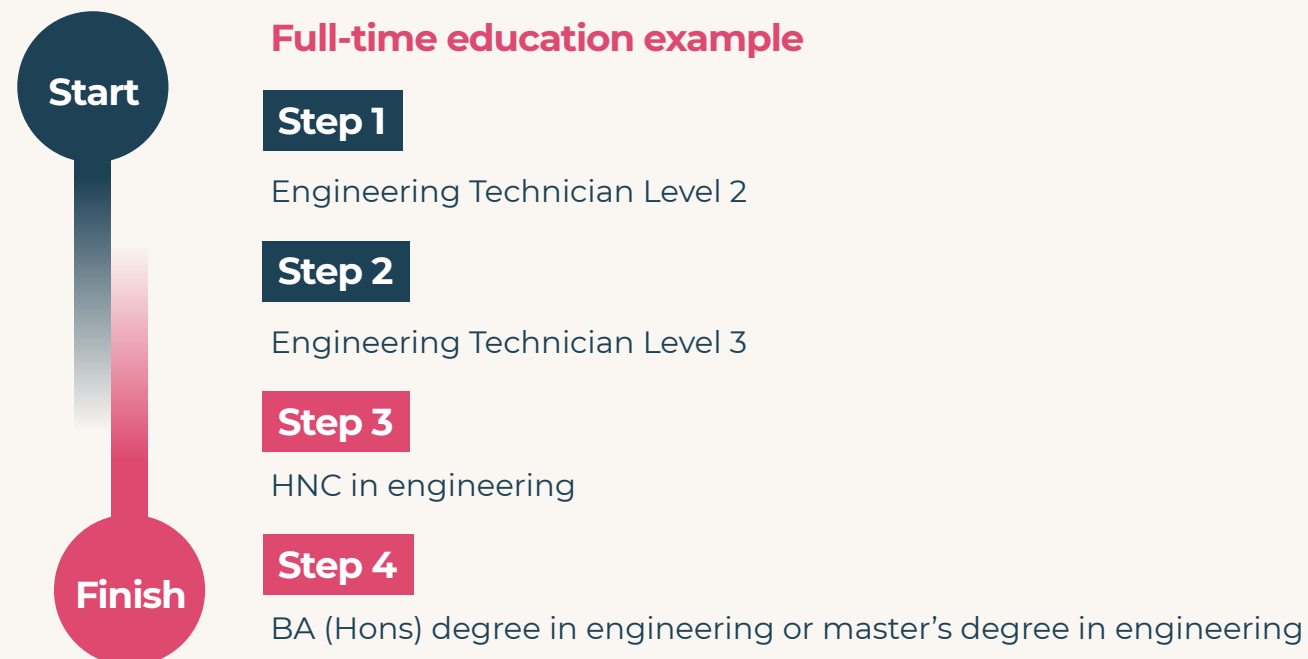
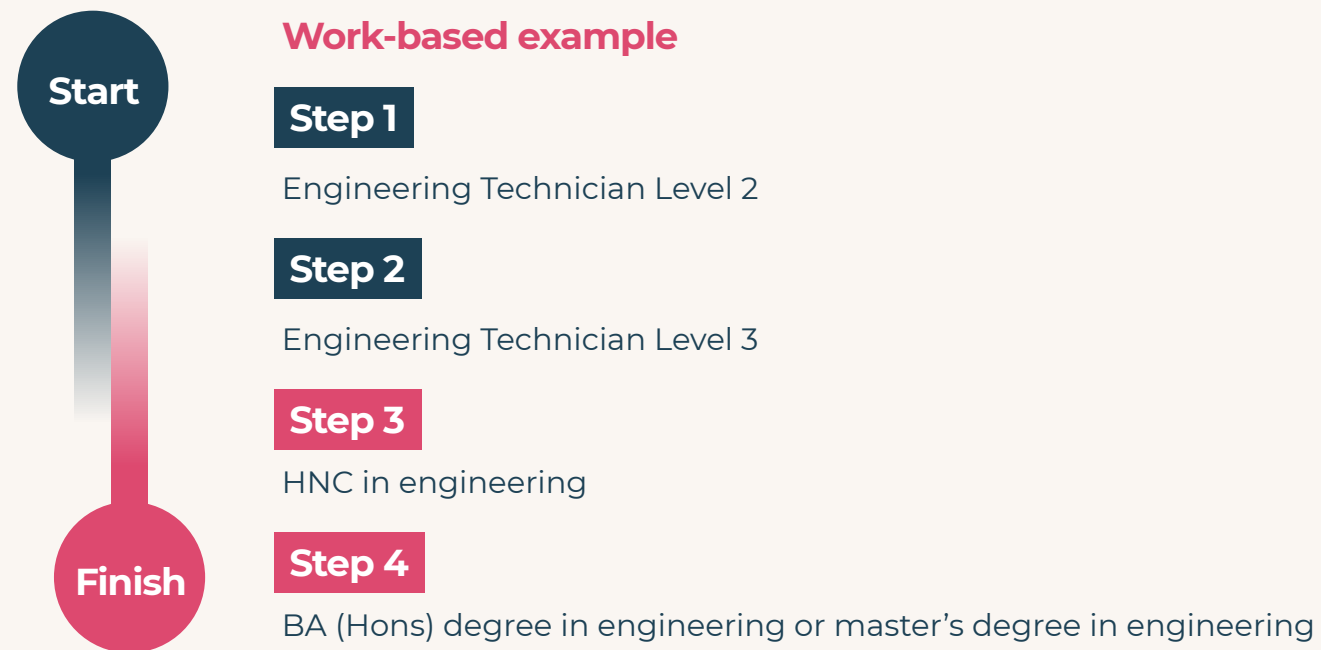
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# QUALIFICATIONS

## PATHWAYS FOR PROGRESSION

There are many qualifications that can help you progress your career in the engineering sector. The following pathways are examples of how this might look.



## JOB ROLES AND CAREER PROGRESSION OPPORTUNITIES

Engineering is a large field and there are many different specialisms you could choose to pursue. Below are just some examples of jobs you may progress into.

- Assistant engineering manager
- Engineering manager
- Manufacturing
- Engineering technician
- Advanced manufacturing engineer
- Mechatronics maintenance technician
- Fabricator/Welder
- Produce design and development technician
- Tool maker and tool and dye maintenance technician
- Technical support technician
- CNC machinist
- General engineer



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# TRANSFERABLE SKILLS AND BEHAVIOURS

Transferable skills are the skills and qualities that can be applied to a wide range of different jobs.

Being able to promote these skills and behaviours to potential employers will demonstrate what you can bring to a role and how much you have learned from previous positions or experience.

The skills and behaviours include the following.

- Effective communication and interpersonal skills
- Ability to work well in teams, providing support and understanding how own actions impact others
- Strong problem-solving and analytical thinking skills
- Ability to think logically and work diligently
- Ability to comply with statutory, quality, organisational and health and safety regulations
- Ability to apply general engineering/manufacturing mathematical and scientific principles, methods, techniques, graphical expressions, symbols, formulae and calculations used by engineering technicians
- Ability to use diagnostic methods and techniques used to help solve engineering/manufacturing problems
- Ability to understand and interpret relevant engineering/manufacturing data and documentation
- Ability to deal with engineering/manufacturing problems using approved diagnostic methods and techniques
- Ability to reflect on own knowledge, skills and behaviours to strive for continuous improvement and quality



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# CAREER DEVELOPMENT USING TRANSFERABLE SKILLS

Below are examples of careers where these types of transferable skills could be used.

- Engineering management
- Other trades in engineering (marine, mechanical, electrical, coachbuilders, trailers)
- Heating, ventilation and air conditioning (HVAC) engineer
- Teaching, coaching, motoring, assessing – roles in education
- Mechanical engineer
- Manufacturing engineer
- Materials engineer
- Electrical engineer
- Electronics engineer
- Petroleum engineer
- Chemical (process) engineer
- Biomedical engineer
- Technical sales engineer
- Supply chain engineer
- Working in finance





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## MATHS, ENGLISH AND DIGITAL SKILLS

These skills will be the foundation of a long and successful career, whichever vocation you choose in the future. Most jobs need people who can read and act on information confidently and communicate effectively with others (whether verbally or in writing). They also require some knowledge of maths for problem solving, whether that's in relation to money, estimating amounts, ordering or time management.

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## WEBSITE AND CAREERS INFORMATION

### National Careers Service

The National Careers Service provides information on 25 job categories, including Emergency and Uniformed Service. The service is free and provides information on how to enter the profession, the skills you need, what the job entails, progression opportunities and the average salary. [Click here](#) for more information.

### EAL

EAL is the specialist partner and awarding organisation for the industry. You can browse information about qualifications, apprenticeships and T Levels. You can also hear from others about how to make it in the industry. [Click here](#) for more information.

### City & Guilds

City & Guilds offer a variety of engineering qualifications and work closely with the industry and employers to ensure high-quality qualifications are offered. [Click here](#) for more information.

### targetjobs

You can also find out more about careers in engineering on the targetjobs website [here](#).

### UCAS

UCAS provides a wealth of independent careers information, advice and guidance. You can find out about different careers, apprenticeships and courses, as well as support guides that cover many aspects of student life. [Click here](#) for more information.

### IfATE

The Institute for Apprenticeships and Technical Education (IfATE) provides a range of information, including occupational maps. Visit the site [here](#) and select the occupational route you are interested in.

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