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**CAREERS  
EDUCATION,  
INFORMATION,  
ADVICE AND  
GUIDANCE  
REFRIGERATION  
AND AIR  
CONDITIONING**

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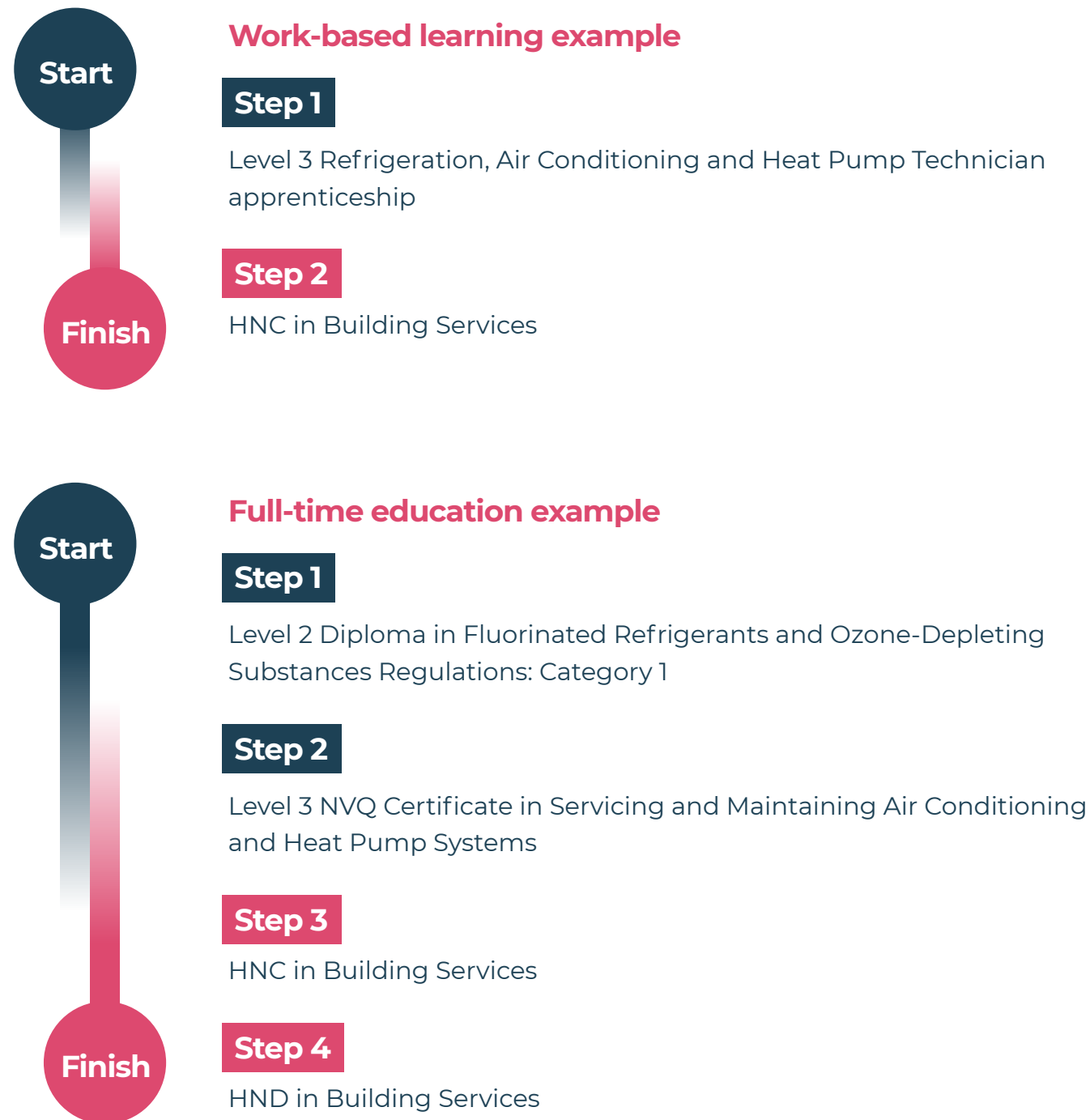




# QUALIFICATIONS

## PATHWAYS FOR PROGRESSION

There are different qualifications and training routes that can help you progress your career in the refrigeration and air conditioning industry. The pathways below are examples of how these routes might look.



## JOB ROLES AND CAREER PROGRESSION OPPORTUNITIES

**“Refrigeration, air conditioning and heat pumps play a vital role in the lives of everyone in the modern world.”** – The Air Conditioning and Refrigeration Industry Board (ACRIB).

There are many roles and opportunities within this specialist occupation. Examples include the following.

- Refrigeration and air conditioning engineer
- Heating, ventilation and air conditioning (HVAC) engineer
- Assistant engineering manager
- Engineering manager
- Engineering technician
- Advanced manufacturing engineer
- Technical support technician

This is designed to meet the professional standards of the Engineering Council for registration as an engineering technician (EngTech) in partnership with the Institute of Refrigeration and The Chartered Institution of Building Services Engineers (CIBSE).



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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.

If you decide that you want to pursue a career change, it is important to be able to recognise the skills and behaviours you've gained along the way, which will support you in a new career path.

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

The skills and behaviours include the following.

- Ability to apply logical thinking to solve problems
- Disciplined approach to work
- Commitment to quality
- Ability to work carefully, paying attention to detail
- Strong communicator – ability to use a variety of communication methods
- Ability to work alone and as part of a team
- Good customer service skills – ability to work well with customers, suppliers, and subcontractors
- Ability to adapt well to changes in conditions, technologies, situations and a wide range of working environments
- Strong understanding of F-gas and ozone-depleting substances (ODS) regulations
- Good knowledge of health and safety and how this applies to safe working practices
- Understanding of diagnostic methods and techniques and how these are used to solve engineering problems
- Ability to understand and interpret relevant engineering/data and documentation



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# CAREER DEVELOPMENT USING TRANSFERABLE SKILLS

- Engineering management
- Other trades in engineering (marine, mechanical, electrical, automotive)
- Heating, ventilation and air conditioning (HVAC)
- Teaching staff, education delivery
- Mechanical engineer
- Technical sales engineer
- Supply chain
- Refrigeration engineer
- Designing cooling systems
- Building services engineer
- Plumbing
- Self-employment



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## MATHS, ENGLISH, SCIENCE 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 Engineering and Maintenance. The service is free and provides details about how to enter the profession, the skills you need, what the job entails, progression opportunities and the average salary. [Click here](#) to read more.

### ACRIB

ACRIB is the UK umbrella body for the refrigeration, air conditioning and heat pump industry associations and institutions. You can find information about careers on their website. [Click here](#) for more information.

### IOR

[Click here](#) for more information on the Institute of Refrigeration (IOR) website.

### City & Guilds

You can find information about qualifications, apprenticeships and technical education on the City & Guilds website. [Click here](#) to find out more.

### 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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LTE group is committed to equality of opportunity, non-discriminatory practices and supporting individual students.

