

# Apprenticeship Overview

2026 Course Information

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Empowering our people to energise the future, our diverse Craft and Technical Apprentice Program continues to expand year on year, providing support and opportunity for growth.





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Discover what opportunities are available at ESG.

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# Introduction

Apprenticeships - Combining practical training in a job with study.

Building Services Engineering covers all of the mechanical, electrical, public health, life safety and 'smart' building systems. These bring buildings and structures to life and are essential to their operation.

Aligned with other construction professionals, ESG work alongside architects, structural engineers, designers, quantity surveyors and more.

## How Our Apprenticeships Work

As an apprentice you will:

- Be an employee earning a wage, holiday pay and other employee rights
- Work alongside experienced staff
- Gain job-specific skills
- Get time for training and study related to your role

## Programme Length

Apprenticeships take 1 to 5 years to fully complete depending on their type and level.

## ESG Programmes

We run the following (but not limited to) types of apprenticeships:

- Electrical Apprenticeship
- Building Services Engineering Craftsperson Apprenticeship
- Technical Apprenticeship
- Quantity Surveying Apprenticeship
- Administration Apprenticeships
- Finance Apprenticeships

## Levels of Apprenticeship

There are 4 levels of apprenticeships and each level has an equivalent educational level (see diagram).

## Getting Started

To start an apprenticeship, you need to be:

- 16 or over
- Living in England
- Not in full-time education

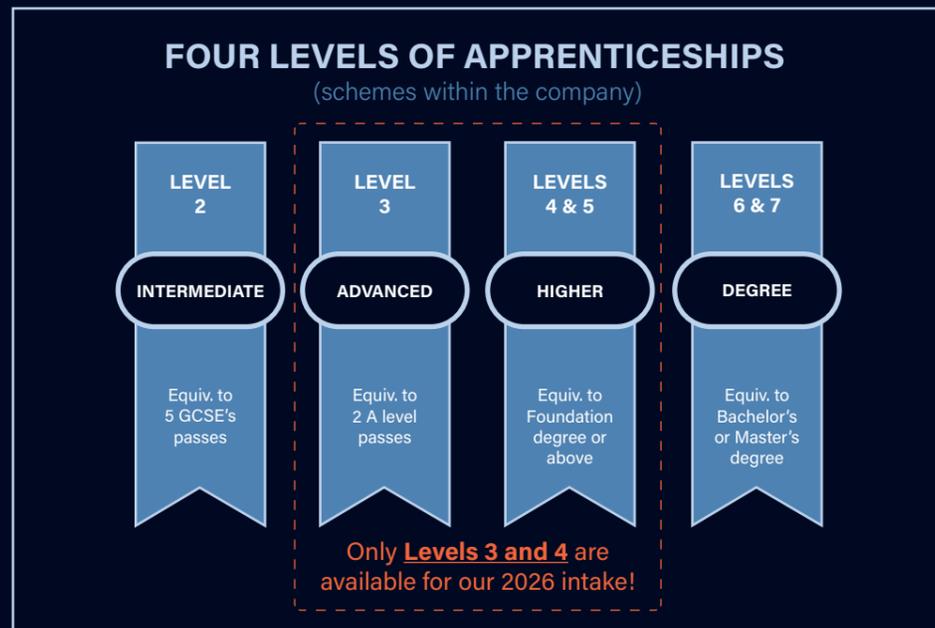
## 2026 Availability (ONLY LEVELS 3 & 4)

- Electrical Apprenticeship
- Building Services Engineering Craftsperson Apprenticeship
- Technical Apprenticeship

## To Apply

If you wish to apply for one of our apprenticeship programmes, visit:

[esglimited.com/apprenticeships](https://esglimited.com/apprenticeships)



# Electrical

## Advanced Apprenticeship

At ESG our Electricians install, maintain and repair electrical systems in commercial, residential (high volume apartment buildings), data centres, laboratories and retail environments.

The work of an Electrician is varied and can include the following:

- Installing and maintaining cables, wiring, conduits, fitments, meters, switchgear and other electrical equipment
- Using a variety of hand and power tools to measure, cut, join and fit cabling, wiring and equipment of various types
- Reading plans and technical drawings and working from them on large projects
- Installing the wiring and electrical components in complex electrical and electronic equipment
- Testing installations to make sure that they are effective and completely safe, diagnosing and repairing faults in installations and electrical equipment

### Course Length

Working in partnership with Choice Training, this course is usually 5 years.

If you already have some qualifications in electrical engineering, the length of the course may be shorter but this is not guaranteed. This is because upon completion of the NVQ, the apprenticeship will only be deemed successful once the End Point Assessment ('AM2S') is completed.

### Course Description

Work-based learning with 1 day release to college during term time,

learners will gain the skills and knowledge to carry out job roles and responsibilities associated with the installation and maintenance of Electrotechnical systems.

On successful completion learners will have achieved the industry desired level of competence required to carry out the specific roles.

#### 1. Theory

- Health and safety and environmental considerations
- Electrical scientific principles
- Design and installation practices
- Plan and oversee
- Terminations and connections
- Inspect and test
- Fault diagnostics and rectification
- 18th Edition

#### 2. College folder

You will carry out various tasks in the workshop involving

- Installation
- Testing
- Organising
- Fault Diagnosing
- Fault Rectifying

#### 3. Work Based evidence folder (All mandatory)

- Health and Safety
- Organisation and oversee electrical work
- Terminate and connect conductors
- Inspect and test
- Fault diagnostics and rectification

### Entry Requirements

Equivalent GCSEs are grade C or higher or grade 4 or higher English, Maths and Science.

You will need to have been a UK resident for the previous three years. This is unless you have an immigration status which exempts you from the three-year residency requirement (i.e., a training a training visa etc).

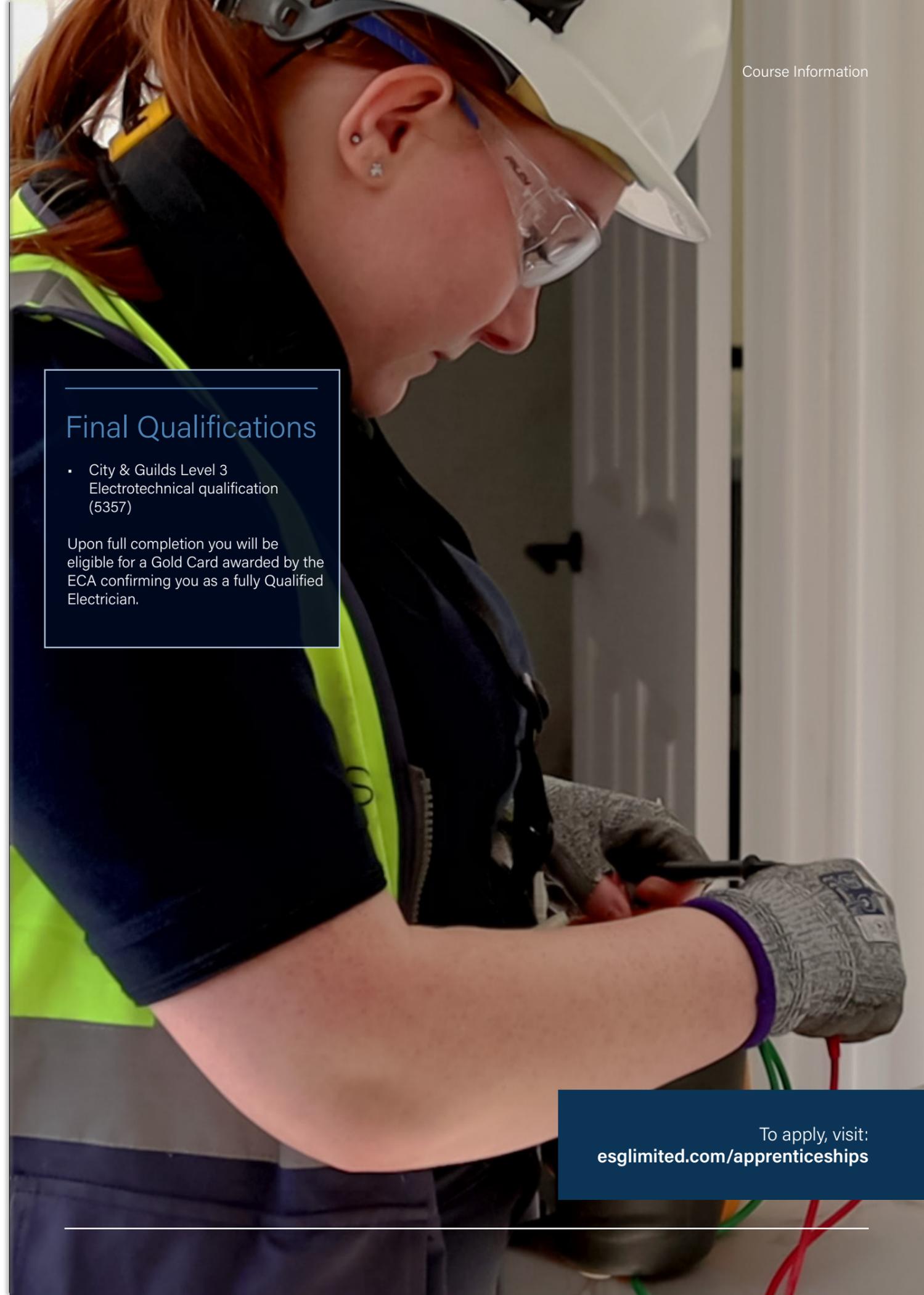
All successful candidates will be required to undertake a colour blindness test for information and planning purposes only.

Historically if you are colour-blind then unfortunately you could not apply for an electrical apprenticeship due to health and safety reasons however, the industry has adapted.

## Final Qualifications

- City & Guilds Level 3 Electrotechnical qualification (5357)

Upon full completion you will be eligible for a Gold Card awarded by the ECA confirming you as a fully Qualified Electrician.



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# Building Services Engineering Craftsperson

Advanced Apprenticeship

At ESG our Craftsperson apprentices install, maintain and repair heating, ventilation, and hot water service systems in commercial, residential (high volume apartment buildings), data centres, laboratories, and retail environments.

Our Craftsperson Apprenticeship provides the knowledge and skills needed to carry out job roles and responsibilities such as:

- Install, maintain, and repair water services (heating pipework, radiators, boilers)
- Install, maintain, and repair ductwork systems (ducts, extract grilles)
- Commission systems to ensure maximum efficiency against design specification
- Read construction and engineering drawings
- Understand control wiring and circuit diagrams
- Select replacement parts, materials, and equipment
- Diagnose and rectify faults on a range of heating and ventilating systems and equipment
- Writing detailed reports.

## Course Length

Working in partnership with Choice Training, it is likely that individuals entering this apprenticeship will complete the course in 42 months, including end-point assessment (EPA).

## Course Description

Work-based learning with 1 day release to college during term time, the course covers the essential knowledge and skills needed for a successful career in heating and

ventilation:

- Health and safety
- Communication
- Customer services
- Environmental awareness and technologies
- Processes and techniques
- BSE scientific principles
- ITC within BSE
- BSE cold water systems
- BSE hot water systems
- Planning a job
- Fuel systems
- Chilled/ventilation systems
- Electrical basics

An on-site Record of Achievement is also needed this is what will be used for questioning during your EPA professional discussion.

This requires 15 pieces of evidence, including:

- Health and safety
- Sustainability
- Diagnosing and rectifying
- Storage and inductions
- Installations 1
- Installations 2
- Commissioning
- CPD
- Employer witness reports

## Entry Requirements

Equivalent GCSEs are grade C or higher or grade 4 or higher English & Math.

Science is also advantageous.

You will need to have been a UK resident for the previous three years. This is unless you have an immigration status which exempts you from the three-year residency requirement (i.e., a training a training visa etc).

## End-Point Assessment (EPA)

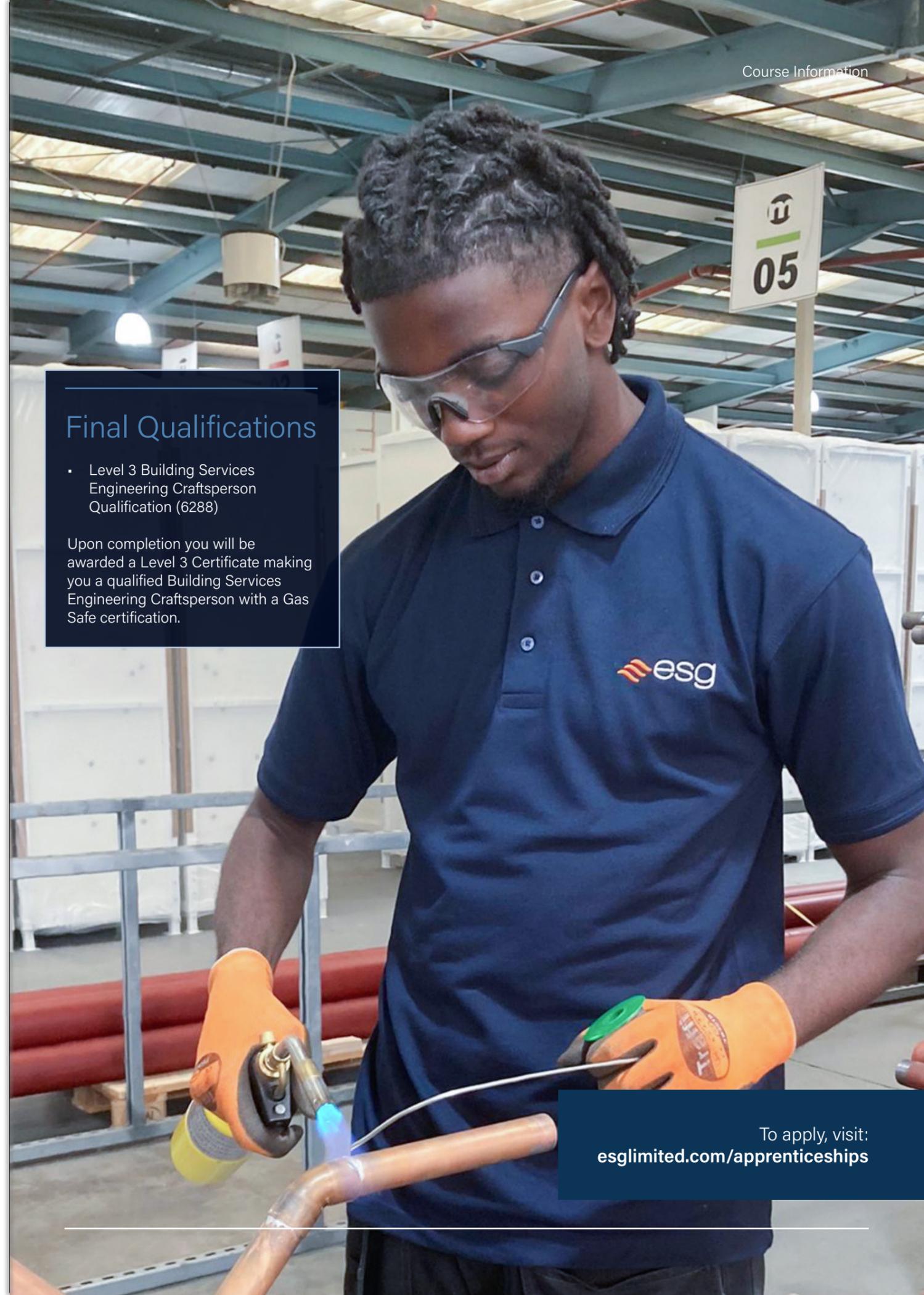
Assessment methods:

1. Multiple-choice test
  - The test will have 40 multiple-choice questions. You will have 60 minutes to complete it.
2. Practical assessment with questions
  - You will be observed by an independent assessor completing a set of tasks. It will last 10 hours. They will ask you at least 6 questions.
3. Interview underpinned by a portfolio of evidence
  - You will have an interview with an independent assessor. It will last at least 90 minutes. They will ask you at least 12 questions. The questions will be about certain aspects of your occupation. You need to compile a portfolio of evidence before the EPA gateway. You can use it to help answer the questions.

## Final Qualifications

- Level 3 Building Services Engineering Craftsperson Qualification (6288)

Upon completion you will be awarded a Level 3 Certificate making you a qualified Building Services Engineering Craftsperson with a Gas Safe certification.



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# Technical

Higher Apprenticeship - Southbank Colleges (part of the LSBU Group)

The ESG apprenticeship provides a solid grounding in construction and the built environment. The academic programme will be based on a rotational basis to cover all of the different roles and functions, providing a broad base, complimented by studying Building Services Engineering to Level 3 at college on a day-release basis.

During the course of the apprenticeship the Apprentice will be given the opportunity to further specialise in one particular area of the business, for example Mechanical Engineering, Electrical Engineering, Quantity Surveying, Planning or BIM.

\* Course enrolled on depends on experience and qualifications.

## Level 3 Building Services Technician with Southbank Colleges (part of the LSBU Group)

### Course Length

3 years.

### Course Description

Work based learning with 1 day release to college during term time, learners will be taught how to assist engineers and other construction professionals in developing design solutions that are cost-effective, technical, and sustainable.

By working on producing 3D models, accurate calculations, specifications, reports, and drawings, you will be prepared to work on systems such as:

- Renewable technologies
- Heating and ventilation
- Air conditioning

- Drainage
- Lighting
- Power
- Controls and lifts

### Entry Requirements

GCSE grades 4 (C) or above in at least five subjects, but must include Mathematics and English Language. Science is advantageous.

Work-related experience and other sector related qualifications will be considered for mature applicants.

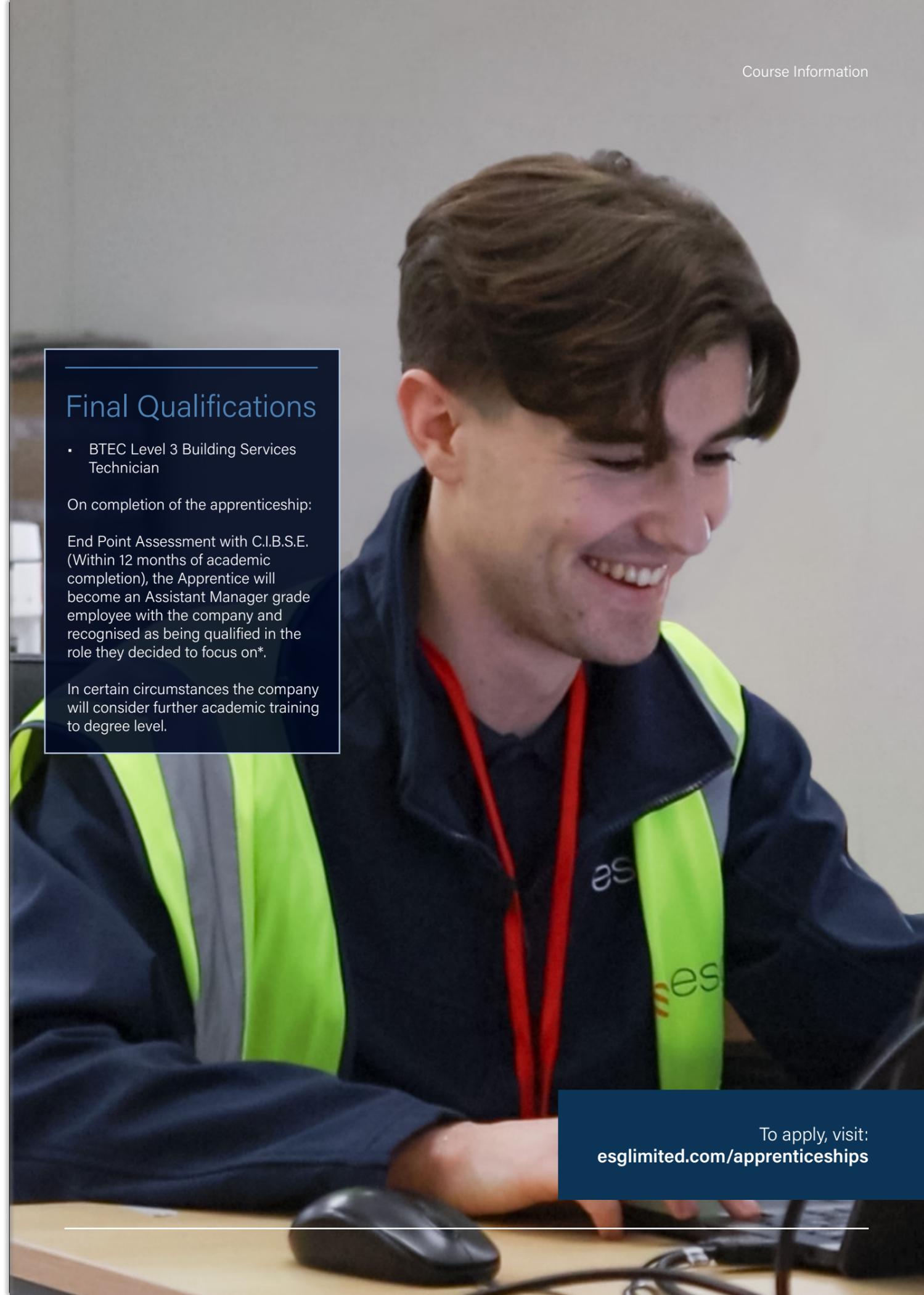
## Final Qualifications

- BTEC Level 3 Building Services Technician

On completion of the apprenticeship:

End Point Assessment with C.I.B.S.E. (Within 12 months of academic completion), the Apprentice will become an Assistant Manager grade employee with the company and recognised as being qualified in the role they decided to focus on\*.

In certain circumstances the company will consider further academic training to degree level.



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# Technical

Higher Apprenticeship - LSBU

Building services engineering covers the design, installation, operation and maintenance of all the things that make a building safe, comfortable, energy efficient and functional. It's always in demand and set to grow as buildings' designs evolve to become more sustainable. The apprenticeship includes an HNC qualification and satisfies the educational base for an engineering technician as per the Engineering Council. The apprenticeship includes an HNC qualification and satisfies the educational base for an engineering technician as per the Engineering Council.

## Entry Requirements

- A Level EEE or;
- BTEC National Diploma MPP or;
- Access to HE qualifications with 45 Passes supported by substantial relevant work experience or;
- Equivalent level 3 qualifications worth 64 UCAS points supported by substantial relevant work experience
- Level 3 qualifications must include Maths or Physics
- Applicants must hold 5 GCSEs A-C including Maths and English or equivalent (reformed GCSEs grade 4 or above).

## Building Services Engineering Senior Technician Level 4 Apprenticeship with LSBU

### Course Length

The academic programme lasts for 2 years. The End Point Assessment (EPA) is a further 3-6 months.

### Course Description

Work-based learning with 1 day release to University during term time.

#### Year 1

- Foundation engineering mathematics
- Electrical principles
- Construction practice
- Introduction to building services engineering principles
- Thermofluids principles

#### Year 2

- Engineering mathematics
- Internal environment and comfort
- Heating and ventilation systems

## Final Qualifications

- HNC Building Services Engineering

The End Point Assessment is the final stage of your apprenticeship programme. During the EPA you will demonstrate your acquired competence and skills during your professional career whilst undertaking your apprenticeship.

You will provide evidence of satisfactory completion of all aspects of the apprenticeship programme in order to be accredited by C.I.B.S.E.

To apply, visit:  
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A photograph of two men in an industrial setting, likely a power plant or refinery. They are wearing white hard hats and high-visibility yellow safety vests with the 'esg' logo on the back. The man on the left is seen from the back, while the man on the right is smiling and looking towards the camera. In the background, there are large pipes, a door with a 'Site office' sign and arrow, and a window. The overall scene is brightly lit.

**Make an ESG  
Apprenticeship  
your next move.**

**Registered Head Office** | Viking Business Centre, Danes Road, Romford, Essex, RM7 0HL  
T: +44 (0) 1708 708888 | E: [info@esglimited.com](mailto:info@esglimited.com)

**London Office** | 5th Floor, 69 Wilson Street, London EC2A 2BB.  
T: +44 (0) 204 583 0400 | E: [info@esglimited.com](mailto:info@esglimited.com)