



Accredited & Qualification Programmes



Training

Discover EA Training's Accredited
and Qualification Programmes

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www.training.eatechnology.com

Introducing EA Technology

EA Technology's mission is to promote the development of resilient, accessible, low-cost energy networks globally, accelerating the transition to energy decarbonisation.

We are specialists in asset management solutions for electrical asset owners and operators. Founded in 1966 as a pioneering R&D organisation for the electricity industry, we now operate globally from our UK headquarters and regional offices.

Through innovative products, expert consultancy, and industry-leading training, we help customers build safer, stronger, and smarter networks.

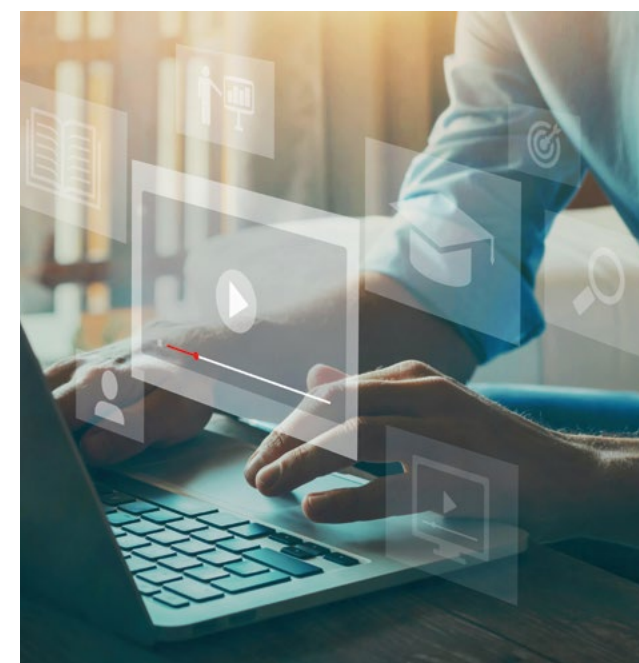
Our Vision

To encourage and nurture personal development for apprentices and trainees, who are skilled, professional, enterprising, and very well prepared for the next stage of their development.

Qualification Programmes

Our qualifications provide industry-recognised pathways for anyone working in – or entering – the electricity supply sector. From entry-level training to advanced professional development, our programmes are designed to build the knowledge, skills, and confidence needed for a successful career.

Courses range from the fundamentals of power transmission and distribution, through to higher-level technical and management training for complex network operations. Flexible delivery options include taught group sessions and distance learning, making them accessible to both individuals and organisations.



Accredited Programmes

Our accredited training programmes combine hands-on learning with essential theory, giving you the confidence and skills to put your knowledge into practice.

A number of these programmes are delivered entirely via **distance learning**, making it ideal for those who want the flexibility to study from anywhere while earning a City & Guilds-accredited certificate.

From network fundamentals to specialist courses in protection, earthing, commissioning, and tailored modular pathways, our accredited programmes can be taken on their own or as part of a wider development plan.



Scan to see our full range of training programmes.

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Industry-recognised qualifications for the power sector

At EA Technology, we deliver qualifications that give learners the knowledge, skills, and confidence to thrive in the electricity industry.

From building core technical understanding to developing advanced engineering expertise, our programmes offer a clear route to career progression.

Whether you're an apprentice, a career changer, or a current industry professional, our flexible delivery options – including taught group sessions and distance learning – make training accessible to both individuals and organisations.

City & Guilds Level 2 – Electrical Power Engineering

Duration:	24 months
Delivery:	In person or Distance Learning

This entry-level qualification provides the essential knowledge for a career in the electricity supply industry. Learners gain a solid understanding of power transmission and distribution, network operation, and the principles that underpin safe and reliable supply.

It is ideal for apprentices, technicians, and new entrants to the sector, and provides a platform for further progression on to the EAL Level 3 Diploma.

EAL Level 3 – Electrical Engineering Technologies for the Power Industry

Duration:	24-36 months
Delivery:	In person or Distance Learning

The EAL qualification has been specifically developed for the electricity supply industry.

It is suited to those looking to move into the sector or current employees aiming to progress their careers. Learners gain a deeper understanding of electrical engineering technologies, preparing them for more advanced technical roles.

EAL Level 4 – Diploma in Power Engineering

Duration:	24-36 months
Delivery:	In person

This Power Engineering qualification is designed for individuals who have prior technical education or experience and want to advance their knowledge in the Power Engineering sector. The course equips learners with the expertise to manage complex electricity network challenges, ensuring a safe electricity supply under normal and abnormal conditions. Learners will develop specialised skills in applying company and client network strategies to plan, manage, control, construct, maintain, repair, and replace assets within the electricity network.

The qualification provides the advanced knowledge and specialist skills required to work in the Power Engineering sector. It covers key electrical power principles, including AC/DC theories, circuit theory, waveforms, and three-phase systems, alongside power distribution methods and the effects of harmonics. Learners will develop expertise in network design, operations, and the limitations of plant and equipment, as well as managing electricity networks in both normal and fault conditions. The qualification also emphasises safe working practices, risk management, and the application of industry regulations. Additionally, learners will explore project management.

Why attend?

- **Gain specialist expertise:** Learn to design, manage, and operate electricity networks in both normal and fault conditions.
- **Grow leadership and problem-solving skills:** Deliver safe, efficient, and cost-effective engineering solutions.
- **Progress your career:** Achieve a recognised HNC-equivalent qualification and prepare for senior engineering roles.



Accredited programmes for every stage of your career

Electrical Distribution Engineering Programme (EDEP) – Distance Learning	
Duration:	160 hours (8 modules, 20 hours each) Maximum 24 months
CPD:	160 hours
Delivery:	Distance Learning

The EDEP is a **flexible, in-depth, online training programme** created for professionals in the power engineering sector who want to advance their expertise without pausing their career.

Designed and delivered by EA Training, this self-paced programme blends technical depth with real-world application, covering everything from component-level engineering to network-wide planning and regulation.

- Who is it for?**
- Engineers, technicians, and asset managers seeking career progression.
 - Employees in utilities, DNOs, and National Grid.
- Key learning areas:**
- Transformers, switchgear, and cables.
 - Protection systems and coordination.
 - Substation design and earthing.
 - Network planning, operation, and regulation.

- Why choose the EDEP?**
- Gain a complete understanding of electricity distribution from design to operation.
 - Apply international technical standards (IEC, BS EN, P2/6) in real-world contexts.
 - Build confidence in fault response, network planning, and best practice engineering.
 - Earn a certificate and CPD recognition upon completion.

The Power of Distance Learning

The Electrical Distribution Engineering Programme has been designed for professionals who want high-quality training that fits around their schedule. No need to commit to long classroom sessions or time away from your role – you decide when and where you learn.

With the EDEP, your career doesn't have to be put on hold to progress. You can master complex electrical distribution engineering concepts, build industry-recognised competence, and achieve your professional development goals – all from the comfort of your home, office, or even on the move.

Why our distance learning works:



Ultimate flexibility

Learn anytime, anywhere, at your own pace.



Self-paced modules

Structure your study to suit your work and life commitments.



Interactive learning

Engaging multimedia, diagrams, activities, and knowledge checks keep you focused and motivated.



Personal tutor support

Expert help via email or message with responses in 48 hours or less.



Clear progression

Each module builds on the last, ensuring you gain knowledge step-by-step.

Electrical Power Engineering
Foundation

Duration:	6 months
Delivery:	Distance Learning

Gain essential knowledge of the UK electricity transmission and distribution network in a way that fits around your schedule. This **distance learning** course provides a solid grounding in:

- Network construction, operation, and management
- Generation, regulation, and system earthing
- Protection principles, testing, and fault diagnosis

Learners progress through interactive materials at their own pace, with the option to sit an online assessment. Successful candidates receive the **City & Guilds Accredited Foundation Certificate** – a respected industry credential that can support career entry or progression.

Ideal for:

New entrants to the sector, technicians, and anyone seeking to formalise their understanding of the UK power network.

Protection Commissioning
and Testing (PCT)

Duration:	To be completed within 24 months
Delivery:	In person

This comprehensive programme is designed to equip delegates with the essential knowledge and practical skills required in the areas of power systems protection, commissioning, and testing. It is structured into three progressive modules, each carefully developed to reflect the latest industry standards and best working practices. Delegates will not only gain technical expertise but also the confidence to apply best practices in their day-to-day roles, ensuring safety, reliability, and compliance in critical electrical infrastructure.

The programme comprises three modules, our 2-day power systems protection part 1 course, 3-day power systems protection part 2 course and 2-day commissioning and testing course.

Ideal for:

This programme is ideal for professionals working in the power systems and electrical engineering sector who want to strengthen their expertise in protection, commissioning, and testing. Whether seeking to build a structured foundation and progress their careers or aiming to take on greater responsibility in network operations, this pathway provides the knowledge, practical skills, and confidence to succeed.



Earthing and Protection (E&P)

Duration:	To be completed within 24 months
Delivery:	In person

This programme is designed to offer the most up to date and best working practices within the field of substation earthing and power systems protection, while the programme overall enforces the understanding of the crossover between these two critical areas of engineering.

The program comprises 3 modules:

3-day substation earthing course,
2-day protection part 1 course and
3-day protection part 2 course.

To meet the programme requirements, it is expected delegates attend and complete the three modular assessments, within 24-months of commencement of the first course. Delegates are given the opportunity to complete an online assessment after each course, upon completion of all three course assessments delegates will gain a City & Guilds Accredited Certificate.

Ideal for:

Engineers involved in the earthing and/or protection systems of the electrical network who require their knowledge updating or to those who require initial training in earthing and protection systems to provide an understanding of how the two areas are interlinked.

Individual Modular Development Programme

This pathway is designed for individuals who want to shape their learning around specific career goals, as well as organisations looking to build customised development plans for their teams. Unlike a fixed programme, learners can combine a core foundation with specialist options to create a training route that is both relevant and rewarding

Learners complete:

- **One core power engineering course** to establish essential knowledge
- **Four or more additional modules** chosen from a wide range of specialist topics, enabling deeper focus in areas of interest

This structure ensures every participant gains a strong grounding in power engineering principles while retaining the freedom to concentrate on subjects most relevant to their role, responsibilities or long-term ambitions. With City & Guilds accreditation, the programme provides a recognised and respected pathway, offering formal CPD hours and certification to evidence achievement.

Ideal for:



Professionals

seeking targeted upskilling to advance their careers.



Organisations

aiming to provide tailored, accredited training for staff.



Teams

who want to standardise best practice across different technical roles.



Substation Earthing

3 days.



Power System Protection: Part One

2 days.



Power System Protection: Part Two

3 days.

Global Footprint

EA Technology is an engineering and technology business that provides intelligent energy solutions for designers, installers, operators, and owners of power network assets.



Founded in 1966 we have over 50 years' experience in the industry and 5 regional offices around the world to support our global customer base.

We work with a lot of our clients on a long-term basis to help them safeguard their power networks.

We advise our clients on strategy and implementation of a range of technology solutions to manage power assets, delivering maximum life and minimise cost.

For further information and advice please contact us on
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