

# NEW APPRENTICESHIP STANDARDS (ENGLAND)

## BUILDING SERVICES INDUSTRY

## ELECTROTECHNICAL APPRENTICESHIP

QUALIFICATION 5357

<b>Introduction</b>	<p>The new Electrotechnical Apprenticeship (5357) has been approved by BIS and will replace the current 2357-13 and 23 currently on the SASE framework. The new standards will replace all the current apprenticeship frameworks by the academic year 2017 to 2018.</p> <p>The occupational profiles defined in the new Electrotechnical apprenticeship still remain the same; on successful completion learners will either become Installation or Maintenance Electricians.</p> <p>New apprenticeship standards are designed by employer groups to be rigorous and respond to employers' needs. The apprenticeship is only available in England</p>	
<b>Typical job roles</b>	<p>Installation Electrician, Maintenance Electrician</p>	
<b>Apprenticeship standard created by the following employers</b>	<p>Institution of Engineering and Technology, Balfour Beatty, Barlows Electrical, Daly Limited, Darke &amp; Taylor Ltd, Joint Industry Board for the Electrical Contracting Industry, National Grid, UPM Shotton Paper, SJD Associates Ltd</p>	
<b>Apprenticeship level</b>	<p>Level 3</p>	
<b>Minimum duration</b>	<p>Typically 48 months – this could be reduced depending on candidate's capability</p>	
<b>End assessment organisation delivery</b>	<p>The apprenticeship end assessment will be AM2, an independent stand-alone assessment administered by NET.</p> <p>On successful completion of the qualification the apprentice can be submitted to take the end assessment, AM2.</p>	
<b>Centre approval</b>	<p>Automatic approval for centres delivering 2357</p>	
<b>Role profile</b> <p><i>Installation Electricians</i> work on the installation, testing, commissioning and maintenance of low voltage (less than 1000v) electrical and electronic devices and appliances.</p> <p><i>Maintenance Electricians</i> work on the maintenance of electrical and electronic installations including automated production systems. Duties include the supervision of the equipment, its maintenance and necessary repairs.</p>	<b>Apprentice entry requirements (including English and maths)</b> <p>Individual employers will identify any relevant entry requirements in terms of previous qualifications, trainability tests, or other criteria. Most candidates will have English and mathematics at Level 2 on entry, or will have achieved that level by the end of the apprenticeship.</p>	<b>Destinations and progression</b> <p>Completing this apprenticeship will enable the apprentice to apply for 'Electrician' status from the JIB (Joint Industry Board for the Electrical Contracting Industry), entitling them to obtain a 'Gold Card' allowing them to work on commercial / industrial sites and carry out roles such as; Install, maintain and repair electrical systems and, installation, testing, commissioning and maintaining electrical and electronic components and devices.</p>

<b>Professional recognition</b>	On successful completion of the apprenticeship, the apprentice can apply for a professional registration to the Institute of Engineering and Technology (IET) as an Engineering Technician. This enables them to adopt (EngTech) in their title.
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<b>Assessment Plan</b>	
<b>Key features</b>	
<b>On-programme assessment</b>	<p>The on-programme part of the apprenticeship will be assessed by a qualification containing both knowledge and competence. All units will be mandatory with the exception of one unit (installation or maintenance unit). A certificate will be issued on satisfactory completion of this qualification and the wording on the certificate will make it clear that it does not indicate full competence and the grade achieved for this qualification will not contribute to the overall apprenticeship grade.</p> <p>City &amp; Guilds will provide two programmes of study for this qualification delivery:</p> <ul style="list-style-type: none"> <li>• 5357-03 Registration only (Live)</li> <li>• 5357-13 Registration + Support materials (Live in September)</li> </ul> <p>Knowledge learning outcomes will be assessed by on-screen assessments and externally set and marked by the awarding organisations. Performance learning outcomes will require auditable evidence of competent performance from the workplace which demonstrate the apprentice's ability against set assessment criteria. The majority of assessments will be graded pass/fail with the exception of the theory assessments (on-screen and written) which forms part of Electrical scientific principles and technologies unit.</p> <p>Behaviours will be mapped to UK spec for EngTech and will be fully incorporated into the performance outcomes in a site-based logbook, where candidates provide evidence of demonstrating these behaviours.</p> <p>The qualification will use a shared assessment strategy which will provide a standardised approach for AOs and their centres in qualification administration, delivery and quality assurance.</p>
<b>Gateway</b>	On successful completion of the qualification the apprentice can be submitted to take the end assessment, AM2.
<b>End point assessment</b>	<p>The AM2 is a robust, timed (16.5 hours typically over 2 and a half days), practical and theory (40 multiple-choice questions) assessment in sections, requiring candidates to perform a set of common tasks and procedures that a full scope electrical operative might face when working in commercial or industrial premises as well as dwellings.</p> <p>It assesses candidates on installation, inspection and testing and fault-finding; their work must comply with BS 7671, be in line with relevant health and safety legislation and conform to current industry practices and procedures.</p>

<b>City &amp; Guilds support</b>	<p>Our support resources include:</p> <ul style="list-style-type: none"> <li>• Text Book / E-book</li> <li>• Candidate Premium logbook</li> <li>• A learner training manual to guide the apprentice throughout their journey</li> <li>• SmartScreen</li> <li>• Sample Assessments (secure assess)</li> <li>• Assessment packs</li> <li>• Guidance documents and handbooks</li> <li>• Personal support available from a large team of subject specific Portfolio Advisors, Qualification Consultants, our Customer Services Team and dedicated Business Managers.</li> </ul>
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# Electrotechnical Trailblazer

## Installation Electrician / Maintenance Electrician Assessment Plan

### LEARNING AND FORMATIVE ASSESSMENT

**Formative Assessment** - Delivered during training and by the employer and training provider

Electrotech apprenticeship qualification (5357)



Portfolio of Evidence – covering on the job skills



Knowledge learning outcomes assessed by online tests



Theory and practical skills will be assessed via assignments.

**Assessment Gateway**  
(Employer and training provider decide when apprentice is ready for the formal end assessment)  
Successful achievement of all Formative Assessment

### END ASSESSMENT

**Formal End Assessment**

Synoptic End Practical Test (AM2)  
Externally set and marked  
(16.5 hours typically over 2 days)

**Apprentice:** carries out work as defined by their employer, gathers evidence for their portfolio from work carried. Completes the knowledge modules, completes assignments and takes on line tests

**Employer:** creates opportunities for the apprentice to carry out work and produce outcomes; confirms that apprentice is ready for summative assessment

**Training Provider:** Provides underpinning knowledge, maps and assesses work against the Standard, helps apprentice select evidence for the portfolio, and confirms readiness for summative assessment. Enters apprentice for knowledge tests and marks externally set assignments

**Approved Assessment Organisations:** design qualifications to include on line knowledge tests and assignments. Quality assures Training Providers via EQA

**Apprentice:** Undertakes synoptic assessment

**Independent Assessor:** Administered by NET (National Electrotechnical Training). Apprentice will not be able to access for the formal end assessment until the employer and training provider sign off as ready