

EAL Purpose Statement:

Qualification Title:	600/9931/8 EAL Level 3 NVQ Extended Diploma in Electrical and Electronic Engineering (QCF)
Qualification Overview:	<p>This qualification is a National Vocational Qualification (NVQ). It involves the skills and knowledge needed for electrical and electronic engineering. NVQs are based on national occupational standards, which the learner must meet to be competent in a particular task</p> <p>What does this qualification cover? The skills and knowledge in one or more of a wide variety of engineering technical support activities including:</p> <ul style="list-style-type: none"> • designing electronic circuits • controlling semiconductor manufacturing processes • controlling printed circuit and allied circuit assembly • leading electronic component manufacture • leading printed circuit and allied circuit assembly • leading electronic assembly • testing electronic circuits • manufacturing of transformers and inductors • manufacturing electrical motors and generators • manufacturing electrical control systems equipment • testing electrical equipment • It is accredited by Ofqual at QCF Level three. <p>Who could take this qualification? OR who is this qualification designed for?</p> <ul style="list-style-type: none"> • Learners who are undertaking a SEMTA apprenticeship and wish to progress onto a higher apprenticeship • Those who wish to progress onto a range of Level 4 qualifications and also into employment. <p>It is suitable for learners aged:</p> <ul style="list-style-type: none"> • 16-18 • 19+
What could this qualification lead to?	<p>Typical job roles include:</p> <ul style="list-style-type: none"> • Industrial electrician • Electrical engineering technician • Electrical design engineer • Measurement and control technician • Test technician • Electronics technician • Electronics assembly technician • Electronics manufacture inspector • Electronics manufacture technician

	<p>This qualification relates to the following EAL qualifications:</p> <ul style="list-style-type: none"> • EAL Qualifications in Key Skills, Functional Skills and Essential Skills Wales • EAL L2 NVQ Diploma in Performing Engineering Operations (QCF) • EAL Level 3 NVQ Diploma in Marine Engineering • EAL Level 3 NVQ Diploma in Engineering Maintenance • EAL Level 3 NVQ Diploma in Engineering Installation and Commissioning • EAL Level 3 NVQ Diploma in Mechanical Manufacturing Engineering • EAL Level 3 NVQ Extended Diploma in Engineering Leadership (QCF) • EAL Certificate/Diploma in Engineering and Technology subjects (QCF) <p>Apprenticeships: This qualification forms part of the Semta Intermediate and Advanced Level Apprenticeship in Engineering Manufacture apprenticeship framework.</p>
<p>Who supports this qualification?</p>	<p>The qualification is supported by the Engineering Council, and recognised by the Institute of Mechanical Engineers (IMechE) for EngTech status.</p>