

What does it take to become an **ELECTRONICS TECHNICIAN**?

Electronics Technicians help design, develop, test, manufacture, install, and repair electrical and electronic equipment such as communication equipment, medical monitoring devices, navigational equipment, and computers. They may be employed in product evaluation and testing, using measuring and diagnostic devices to adjust, test, and repair equipment. Electronics technicians may also work as sales workers or field representatives giving advice on the installation, operation, and maintenance of complex equipment and may write specifications and technical manuals.

Skills & Knowledge

Electronics Technicians are experts in the function and mechanics of complicated electrical equipment, often using software and meters to diagnose malfunctions and complete repairs. Considering the strong technical component to this field, high school courses in science, mathematics and computer science are considered useful. As technicians often deal with customers face-to-face, it is important that they possess adequate communication and customer service skills.



Training

Training is offered at registered training institutions. Training curricula generally consists of courses in basic electricity and electronics, including integrated circuits, magnetism, capacitance, inductance, transformers, resonance and digital electronics. Nowadays, many institutions make use of electronics software simulation in conjunction with traditional training laboratories to provide greater opportunities for trainees. Training programmes primarily prepares

the graduate for employment and/or further on-the-job training as a service technician in the field of consumer, commercial, and industrial electronics.

Working Conditions

Technicians are not office-bound and often travel to their clients' location on a regular schedule to perform preventative maintenance, using specialised equipment, software and diagnostic tools. Typical job-related activities may involve assembly, installation, maintenance, testing, troubleshooting, repair and upgrading of associated electronic equipment and systems. Physical fitness is of utmost importance as technicians need to stand for extended periods of time. Often equipment is installed at high elevation and in dusty, dark and cramped spaces.

Job Prospects

Job opportunities for electronics technicians are increasing because many industries use electronic products and systems. The demand for jobs in the electronics engineering and service fields is the result of a recent proliferation of both consumer and industrial electronics products. Key sectors are telecommunications, audio/video, computers, robotics, energy conversion and efficiency and electrical equipment manufacturing. Due to the increasing complexity of electronic technology, most technicians specialise in a particular type of equipment.

You too can live your passion and qualify as an Electronics Technician. If you are self-motivated, inquisitive, willing to learn on your own and have a deep interest in electronics, you are a good candidate.

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