

Occupational Profile:

Electrical and Electronic Engineering Technicians

Description

Electrical and electronic engineering technicians use the principles and theories of science, engineering, and mathematics to solve technical problems in research and development, manufacturing, sales, construction, inspection, and maintenance. Many electrical and electronic engineering technicians assist engineers and scientists, especially in research and development. Others work in quality control, inspecting products and processes, conducting tests, or collecting data. In manufacturing, they may assist in product design, development, or production.

Required Education

Nationwide, 28.2% of electrical and electronic engineering technicians aged 25 to 44 have a high school degree or less. Fifty-four percent have an associate's degree or some college, and 17.8% have a bachelor's degree or more.

Educational Attainment for Electrical and Electronic Engineering Technicians

High School or Less	28.2%
Associates Degree/Some College	54.0%
Bachelor Degree or More	17.8%

Source: U.S. Bureau of Labor Statistics

Wages

There are 4,560 electrical and electronic engineering technicians working in the Greater Phoenix region. They earned an average of \$49,728 in 2006.

Wages for Electrical and Electronic Engineering Technicians

Pay Period	Wages by Percentile, 2006				
	10%	25%	50%	75%	90%
Hourly	\$12.95	\$18.52	\$23.37	\$28.61	\$35.29
Yearly	\$26,936	\$38,529	\$48,617	\$59,501	\$73,394

Source: Arizona Department of Economic Security

Employment Projections

The number of electrical and electronic engineering technicians in Greater Phoenix is expected to grow 13.6% between 2004 and 2014. This translates to approximately 147 job openings annually, with 40% being new jobs added by businesses expanding operations, and 60% from employee vacancies such as retirements and career changes.

Employment Projections for Electrical and Electronic Engineering Technicians

Employment Growth, 2004-2014	Average Annual Job Openings, 2004-2014
13.6%	147

Source: Arizona Department of Economic Security

Programs at the Maricopa Community Colleges

Mesa Community College offers a program in Electronics Technology for students training to be electrical and electronic engineering technicians. Courses in Electronics Technology are also available at Glendale Community College.

College	Program	Associate in Applied Science	Certificate of Completion
Mesa	Electronics Technology	x	x
Glendale	- - - Courses Available - - -		