

Occupational Profile
Engineering Technicians
OES (Occupational Employment Statistics) CODE: *2

Cameron County		Hidalgo/Starr/Willacy Counties	
Employment 2000	Projected Employment 2010	Employment 2000	Projected Employment 2010
120	140	120	140
Absolute Change		Absolute Change	
#	%	#	%
20	16.7	20	16.7
Is License Required?	Growth to Replacement	Is License Required?	Growth to Replacement
No	0:0	No	0:0
Hourly Wage 2002		Hourly Wage 2002	
Mean	Median	Mean	Median
\$18.83	\$16.84	\$17.70	\$17.64

Job Description:

Electrical and Electronics Technicians help design, develop, test, and manufacture electrical and electronic equipment such as radios, radar, sonar, television, industrial and medical measuring or control devices, navigational equipment, and computers. They may work in product evaluation and testing, using measuring and diagnostic devices to adjust, test, and repair equipment. Electrical and electronic engineering technology is also applied to a wide variety of systems such as communications and process controls. Industrial Engineering Technicians study and record time, motion, method, and speed involved in performance of production, maintenance, clerical, and other worker operations for such purposes as establishing standard production rates or improving efficiency. Usually work under the direction of engineering staff.

Average Education Required

At least a 2-year associate degree in engineering technology.

Related Occupations

Similar occupations include [science technicians](#), [drafters](#), [surveyors](#), [broadcast and sound technicians](#), and [health technologists and technicians](#).

Skills Required

- Technology Design -- Generating or adapting equipment and technology to serve user needs
- Information Gathering -- Knowing how to find information and identifying essential information
- Troubleshooting -- Determining what is causing an operating error and deciding what to do about it
- Active Learning -- Working with new material or information to grasp its implications
- Problem Identification -- Identifying the nature of problems
- Critical Thinking -- Using logic and analysis to identify the strengths and weaknesses of different approaches

Industrial Employment Patterns		
Industry Code	Industry	Percent of Employees
3720	Aircraft and Parts	19.3%
3670	Electronic Components and Accessories	13.3%
5040	Professional & Commercial Equipment	7.1%
8710	Engineering & Architectural Services	6.3%
1730	Electrical Work	6.2%
5060	Electrical Goods	6.1%
7370	Computer and Data Processing Services	5.1%
3810	Search and Navigation Equipment	5.1%

**2 includes electrical and electronic engineering technicians, and industrial engineering technicians*