

Engineering Technician

PANHANDLE

Average Wage
\$23.96

*Average Annual
Job Openings*
25

<i>Employment* in</i>	
<i>2004</i>	<i>2014</i>
700	850

TEXAS

Average Wage
\$18.01

*Average Annual
Job Openings*
7,745

<i>Employment in</i>	
<i>2004</i>	<i>2014</i>
181,250	226,250

UNITED STATES

Employment in
2006
3,737,750

Female 30%
Minority 26%

EMPLOYMENT CODES

OES 22599

*O*NET 17-3029.00*
Engineering Technicians,
Except Drafters, All

JOB DESCRIPTION

Assist engineers, architects, or surveyors and mapping scientists in laboratory or production activities, such as data collection, equipment or machine design, testing, quality control, and efficiency studies.



SKILLS AND APTITUDES NEEDED

- ◆ Creativity to assist in design projects
- ◆ Knowledge in science, engineering, mathematics, and electronics
- ◆ Good communication skills
- ◆ Ability to work well with people, often as a team member



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. Their work is more limited in scope and more practically oriented than that of scientists and engineers. Most engineering technicians specialize in certain areas, learning skills and working in the same disciplines as engineers.

Some technicians may assist in design work, often using computer-aided design equipment. Other technicians may make prototype versions of newly designed equipment. They may set up equipment, prepare and conduct experiments, or study ways to improve manufacturing efficiency. Some technicians may be exposed to hazards from equipment, chemicals, or toxic materials.

*Combined Civil, Electrical & Electronic, Industrial and Mechanical Technicians

PANHANDLE AREA PUBLIC TRAINING PROVIDERS

Training Provider	Direct	Related	Education Offering
Amarillo College Amarillo, Dumas, Hereford	✓		A.S. (Associate of Science Degree), Engineering Major
	✓		A.S. (Associate of Science Degree), Engineering Technology Major
		✓	A.A.S. (Associate in Applied Science Degree), Electronic Engineering Technology Major
Frank Phillips College Borger, Perryton		✓	A.A.S. (Associate in Applied Science Degree), Industrial Manufacturing Technology Major
West Texas A&M University Canyon	✓		B.S. (Bachelor of Science Degree), Engineering Technology Major

For information on public training providers outside of the Panhandle Area, please refer to the Resource Index.

LICENSE/CERTIFICATION

Optional: National Institute for Certification in Engineering Technologies (NICET) Certification

HIGHEST EMPLOYMENT LEVELS BY INDUSTRY

Colleges/Universities	16%	Aircraft & Parts	6%
Federal Government	13%	Research/Testing Services	6%
Engineer/Architect Services	10%	Management/Public Relations	5%
Personnel Supply Services	7%		

FOR MORE INFORMATION

Accreditation Board for Engineering and Technology, Inc., 111 Market Place, Suite 1050, Baltimore, MD 21202, (410) 347-7700, <http://www.abet.org>

The Junior Engineering Technical Society (JETS), 1420 King St., Suite 405, Alexandria, VA 22314, (703) 548-5387, <http://www.jets.org>

National Institute for Certification in Engineering Technologies, 1420 King St., Alexandria, VA 22314-2794, (888) 476-4238, <http://www.nicet.org>

For additional website sources, please refer to the Resource Index.

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