



Manufacturing, Science, Technology, Engineering and Mathematics

Career Opportunities: More than you think!

The Manufacturing, Science, Technology, Engineering and Mathematics clusters are critical to the development of our communities and global economy. These areas of expertise are calling for those with skills in robotics, electro-optics, precision metal forming, nano-fabrication, hydraulics, pneumatics, welding and much more. As these fields continue to emerge and develop, their various career opportunities will no doubt do the same.

Start Here

Check to see if your school offers any of these classes...

Freshmen	Sophomores	Juniors	Seniors
Principles of Engineering	Introduction to Precision Metals Manufacturing Careers	Digital Electronics	Welding II
Introduction to Engineering Design	Business Computer Information Systems I	Computer Integrated Manufacturing	Manufacturing Systems
Communication Applications	Introduction to Engineering Design	Computer Science I	Computer Science II
Introduction to Construction Careers	Principles of Engineering	Business Computer Information Systems II	Business Image Management and Multimedia
Integrated Physics & Chemistry		Introduction to Engineering Design	Digital Electronics
		Welding I	Business Computer Information Systems II
			Engineering Design and Development

Don't forget to ask about dual credit classes!

The Next Step

Regional training available in your area!

Cisco Junior College	Howard College	Texas State Technical College	Western Texas College	Ranger College
Automotive Technology (AAS) (C- I, II)	Computer Information Management (AAS)	MSA—Industrial Electrical Controls (C)	Radio Broadcasting (AAS)	Welding (AAS) (C)
Industrial Technology (AAS) (C- I, II)	Computer-Aided Drafting Technology (AAS) (C)	Applied Engineering Technology (AAS)	Welding (AAS) (C- I, II)	
Welding (C)	Maintenance Technician (AAS) (C)	Wind Energy Technician (AAS) (C- I, II)		
Refrigeration and A/C (C)	Digital Forensics Investigations (C)	Mechatronics,/Industrial Maintenance Specialty (AAS)		
	Quality Control Management (C)	Machining Technology (C)		
	Industrial Production Technology (C)	Mechatronics Technology (C)		

(AAS) Associate Applied Science
(C) Certificate of Completion

Welcome to your job!

Choose the path that is best for you.

Entry-Level Careers—High School Diploma, On-the-Job Training, and/or Minimal Experience

Production Workers \$20,730	Sheet Metal Worker..... \$35,058	Computer Repairer.....\$26,290
Machinist.....\$26,083	Machine Operator..... \$25,940	Engineering Aide\$31,952
Electronic Equip. Assembler...\$24,640	Machine Setter..... \$19,468	Inspector, Tester, Sorter.....\$29,760

Technical and Skilled Careers—Community College, Associate’s Degree, and/or Technical Training

Electrical Engineering Tech ... \$44,210	Production Supervisor \$45,920	Chemical Technician\$38,890
Industrial Engineering Tech...\$45,310	Maintenance Supervisor..... \$34,780	Computer Maintenance Tech . \$46,798
Welder.....\$30,820	Telecommunications Tech.....\$33,340	Computer Support Tech.....\$38,360

Professional Careers—Colleges or Universities, Four-Year Degree or More

Industrial Product Manager...\$72,980	Civil Engineer \$59,950	Computer Info Systems Mgr...\$90,440
Industrial Engineer \$63,590	Electrical Engineer..... \$60,840	Landscape Architect.....\$33,875
Chemical Engineer \$75,010	Petroleum Engineer..... \$85,540	Plant Manager\$98,727

Regional employers

How to find possible employment opportunities on the web:

Go to: www.texasindustryprofiles.com

- Under the tab, *Workforce Supply*, Click *Employer Contact Information*
- In the red box at the bottom of the page, click *Agree*
- From the drop down box in the *Select One Region* rectangle, select *West Central*, and then select *Continue*
- Scroll down to the *Industry Cluster* rectangle, and select *Production Support and Industrial Machinery* from the drop down menu (Also try: *Energy, Mining, and Related Support Services, Heavy and Special Trade Construction*)
- The next page provides you with a 6-step process for searching employers by various categories
- Once each step has been filled, click the button entitled, *Find Employers for Selected NAICS*
- Click the blue link labeled, *View Employers*
- Check out a list of employers, their addresses, phone numbers, sales figures, and number of employees

Want More? Check out these websites for more information.

www.texasindustryprofiles.com/apps/win/

Information on occupations, salaries, etc, in various industries across the state.

www.texasworkforce.org

Great starting place for employees and employers to meet! A good place to find state news and many occupational links.

www.workintexas.com

Site that allows both employers and job-seekers to register a profile in efforts to create matches that lead to jobs.

www.socrates.cdr.state.tx.us

Provides occupational profiles (regional salaries, training required, etc.) and occupational wage projections.