

Occupational Profile
Drafters
OES (Occupational Employment Statistics) CODE: 22514

Cameron County		Hidalgo/Starr/Willacy Counties	
Employment 2000	Projected Employment 2010	Employment 2000	Projected Employment 2010
70	80	90	110
Absolute Change		Absolute Change	
#	%	#	%
10	14.3	20	22.2
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
\$13.76	\$12.73	\$12.69	\$12.09

Job Description:

Drafters prepare technical drawings and plans used by production and construction workers to build everything from manufactured products such as spacecraft or industrial machinery to structures such as office buildings or oil and gas pipelines. Their drawings provide visual guidelines, showing the technical details of the products and structures, specifying dimensions, materials to be used, and procedures and processes to be followed. Drafters fill in technical details, using drawings, rough sketches, specifications, codes, and calculations previously made by engineers, surveyors, architects, or scientists.

Average Education Required

Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree. Some may require a bachelor's degree.

Related Occupations

Other workers who prepare or analyze detailed drawings and make precise calculations and measurements include architects, landscape architects, designers, engineers, engineering technicians, science technicians, cartographers, and surveyors.

Skills Required

- Mathematics -- Using mathematics to solve problems
- Operations Analysis -- Analyzing needs and product requirements to create a design
- Reading Comprehension -- Understanding written sentences and paragraphs in work related documents
- Technology Design -- Generating or adapting equipment and technology to serve user needs
- Information Gathering -- Knowing how to find information and identifying essential information
- Critical Thinking -- Using logic and analysis to identify the strengths and weaknesses of different approaches
- Testing -- Conducting tests to determine whether equipment, software, or procedures are operating as expected
- Solution Appraisal -- Observing and evaluating the outcomes of a problem solution to identify lessons learned or redirect efforts

Industrial Employment Patterns		
Industry Code	Industry	Percent of Employees
8710	Engineering & Architectural Services	34.1%
7360	Personnel Supply Services	15.7%
7380	Miscellaneous Business Services	6.7%
8820	Self-employed & Unpaid Family Workers	4.6%
3440	Fabricated Structural Metal Products	4.4%
1620	Heavy Construction, Except Highway	3.4%
3530	Construction and Related Machinery	3.2%