



Cyber P-TECH USA Regional High Demand Occupation List

It is the goal of Cyber P-TECH USA to provide students the ability to enter the job market in a high-demand area with work-ready skills upon completion of high school or completion of a Bachelor's degree through a four year college. The Cyber P-TECH USA Design Team has identified our regional workforce skills and needs, based upon occupation growth from 2014 – 2024, as indicated below.

- Pass criminal history, background, and credit checks, and drug tests
- Financial literacy
- Time management

- Operations Research Analysts (45.5%)
- Information Security Analysts (42.9%)
- Web Developers (40.0%)
- Software Developers, Applications (38.4%)
- Computer Systems Analysts (36.3%)
- Computer & Information Systems Managers (33.1%)
- Database Administrators (31.7%)
- Software Developers, Systems Software (27.8%)
- Computer Network Architects (25.7%)
- Computer User Support Specialists (25.5%)
- Network & Computer Systems Administrators (24.2%)
- Computer Network Support Specialists (23.4%)

The occupations listed above has a median wage between \$22.05 and \$66 per hour. Three of these jobs have an entry-level education of an associates degree (or less). The others require a bachelor's degree.

Sources: LMC/Tracer2/ Occupational Projections 2014-2024; EMSI Occupational Projections 2014-2024 for 17-3024.

KEY INDUSTRIES IN ALAMO WDA



HEALTH CARE & SOCIAL ASSISTANCE

Average Wages

\$22.69

184,990
Jobs in
2024

Projected Growth

31%

140,840
Jobs in
2014

Average Wages

\$42.37

34,080
Jobs in
2024

Projected Growth

27%

26,890
Jobs in
2014



INFORMATION TECHNOLOGY



MANUFACTURING

Average Wages

\$21.67

53,810
Jobs in
2024

Projected Growth

10%

48,780
Jobs in
2014

KEY INDUSTRIES IN ALAMO WDA

	IN-DEMAND SKILLS	IN-DEMAND CREDENTIALS	CAREER OPTIONS
HEALTH CARE & SOCIAL ASSISTANCE	<ul style="list-style-type: none"> Patient Care Cardiopulmonary Resuscitation (CPR) Treatment Planning Communication Skills Teamwork/Collaboration 	<ul style="list-style-type: none"> Registered Nurse American Association of Radiologic Technologists (ARRT) Advanced Cardiac Life Support Technician (ACLS) Certified Nursing Assistant First Aid/CPR 	<ul style="list-style-type: none"> Physical Therapist Registered Nurse Medical Record and Health Information Technologist Radiologic Technician Nursing Assistant
INFORMATION TECHNOLOGY	<ul style="list-style-type: none"> SQL Software Development JAVA Communication Skills Problem Solving 	<ul style="list-style-type: none"> Security Clearance Certified Information Systems Security Professional (CISSP) Security+ CISCO Certified Network Associate Network+ Certified 	<ul style="list-style-type: none"> Information Security Analyst Software Developer, Application Network and Computer Systems Administrator Web Developer Computer User Support Specialist
MANUFACTURING	<ul style="list-style-type: none"> Microsoft Excel Repair Customer Service Communication Skills Problem Solving 	<ul style="list-style-type: none"> Security Clearance Six Sigma Certification Forklift Operator Certification CISCO Certified Network Associate CDL Class A 	<ul style="list-style-type: none"> Mechanical Engineer Software Developer, Applications Sales Representative, Wholesale & Manufacturing Customer Service Representative Maintenance and Repair Worker



JOBS FOR THE FUTURE



INDUSTRIES SORTED BY PROJECTED GROWTH IN THE NUMBER OF JOBS FROM 2014 TO 2024: ALAMO WDA

Industry	2014 Jobs	2024 Jobs	Change	% Change	Mean Hourly Wage
Health Care & Social Assistance	140,840	184,990	44,150	31.3%	\$22.69
Accommodation & Food Services	110,120	141,570	31,450	28.6%	\$11.35
Educational Services, Public & Private	100,050	127,540	27,490	27.5%	\$23.37
Retail Trade	112,030	135,150	23,120	20.6%	\$15.40
Administrative & Waste Services	63,990	81,480	17,490	27.3%	\$17.54
Finance & Insurance	63,900	77,850	13,950	21.8%	\$30.80
Construction	47,840	61,180	13,340	27.9%	\$22.19
Other Services, Ex. Government	40,360	49,990	9,630	23.9%	\$16.63
Professional & Technical Services	45,490	51,910	9,420	20.7%	\$32.57
Information Technology	26,890	34,080	7,190	26.7%	\$42.37
Government	75,770	82,530	6,760	8.9%	\$28.34
Wholesale Trade	32,660	39,270	6,610	20.2%	\$24.62
Transportation & Warehousing	27,760	33,640	5,880	21.2%	\$21.79

Manufacturing	48,780	53,810	5,030	10.3%	\$21.67
Information	21,090	25,430	4,340	20.6%	\$31.38
Management of Companies & Enterprises	10,480	14,410	3,930	37.5%	\$31.87
Arts, Entertainment & Recreation	14,220	17,590	3,370	23.7%	\$13.99
Real Estate & Rental & Leasing	16,230	18,830	2,600	16%	\$19.81
Utilities	1,370	1,610	240	17.5%	\$30.11
Agriculture, Forestry, Fishing & Hunting	2,430	2,570	140	5.8%	\$15.40
Mining, Quarrying, Oil & Gas Extraction	10,690	10,340	-350	-3.3%	\$27.46

Source: Texas Workforce Commission

GUIDE TO READING THE TABLE

- **Industry:** Industries in the table (with the exception of information technology) are defined by the U.S. Bureau of Labor Statistics. Information technology is a set of occupations that cut across industries. The data for information technology included in the table is based on data for computer occupations (U.S. Bureau of Labor Statistics SOC code 15-0000).
- **2014 jobs:** Number of jobs in the industry in 2014.
- **2024 jobs:** Projected number of jobs in the industry in 2024.
- **Change:** Projected change in the number of jobs in the industry from 2014 to 2024.
- **% Change:** Projected percent change in the number of jobs in the industry from 2014 to 2024.
- **Mean hourly wage:** Mean wage for all jobs in the industry. Wages below a living wage for one adult supporting one child appear in red. In Alamo WDA, a living wage for a single adult is \$10.28, and a living wage for a single adult supporting one child is \$21.53. Living wage information is drawn from MIT's Living Wage Calculator (livingwage.mit.edu).