



Semi-Annual
Workforce and Economic Report
Yuma/La Paz County - January 2017

Institutional Effectiveness, Research, and Grants

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Semi-Annual Workforce and Economic Report *Yuma/La Paz County - January 2017*

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Arizona Western College

Economy Overview

Yuma/La Paz Counties

EMS1 1st Quarter 2017 Data Set

Population (2016)	226,063
Jobs (2016)	93,529
Average Earnings (2016)	\$40,976
Unemployed (10/2016)	18,868
Completions (2015)	2,354

Population

2016 Population	Population Growth for the Last 5 Years
226,063	1.3%
3.3% of State	State Growth 6.9%

2016 Age Cohort Demographics

Age Cohort	2016 Population	2016 Percent
Under 20 years	62,508	27.7%
20 to 39 years	60,116	26.6%
40 to 59 years	47,793	21.1%
60 to 79 years	43,847	19.4%
80 years and over	11,799	5.2%

2016 Age Cohort Demographics

Age Group	2016 Population	% of Population
Under 5 years	16,377	7.2%
5 to 9 years	15,472	6.8%
10 to 14 years	15,489	6.9%
15 to 19 years	15,170	6.7%
20 to 24 years	18,430	8.2%
25 to 29 years	15,406	6.8%
30 to 34 years	14,012	6.2%
35 to 39 years	12,269	5.4%
40 to 44 years	11,567	5.1%
45 to 49 years	11,914	5.3%
50 to 54 years	12,098	5.4%
55 to 59 years	12,214	5.4%
60 to 64 years	11,027	4.9%
65 to 69 years	11,568	5.1%
70 to 74 years	11,636	5.1%
75 to 79 years	9,616	4.3%
80 to 84 years	6,808	3.0%
85 years and over	4,991	2.2%

2016 Race/Ethnicity Demographics

Race/Ethnicity	2016 Population	2016 Percent
All Other Race/Ethnicities	14,434	6.4%
Black, Non-Hispanic	4,308	1.9%
American Indian or Alaskan Native, Non-	4,434	2.0%
White, Non-Hispanic	77,559	34.3%
White, Hispanic	125,327	55.4%

2016 Educational Attainment

Education Level	2016 Population	2016 Percent
Less Than 9th Grade	28,222	19.4%
9th Grade to 12th Grade	14,535	10.0%
High School Diploma	39,645	27.3%
Some College	33,330	23.0%
Associate's Degree	10,746	7.4%
Bachelor's Degree	11,684	8.1%
Graduate Degree and Higher	6,963	4.8%

Top AWC Program Completions

Program	Completions (2015)	CIP
Liberal arts and sciences, general studies and humanities	936	24
Construction trades	434	46
Health professions and related programs	328	51
Mechanic and repair technologies/technicians	111	47
Homeland security, law enforcement, firefighting and related protective services	101	43
Business, management, marketing, and related support services	100	52
Education	53	13
Social sciences	44	45
Engineering technologies and engineering-related fields	35	15
Family and consumer sciences/human sciences	25	19

Based on Most Recent IPEDS

Regional Trends

Region	2011 Jobs	2016 Jobs	Change	% Change
Region	88,296	93,529	5,233	5.9%
LaPaz & Yuma	88,296	93,529	5,233	5.9%
State	3,252,275	3,584,869	332,594	10.2%
Nation	175,885,016	191,719,012	15,833,996	9.0%

Jobs by Industry

Total Jobs (2016)	Male	Female
93,529	56.4%	43.6%

Avg. Earnings (2016)
\$40,976
74% of Nation Avg.

(National: 53.0%)**(National: 47.0%)**

Industry	2016 Jobs	Avg. Earnings (2016)
Crop and Animal Production	14,596	\$34,072
Mining, Quarrying, and Oil and Gas Extr	424	\$38,219
Utilities	248	\$76,990
Construction	3,545	\$35,158
Manufacturing	2,782	\$47,362
Wholesale Trade	1,744	\$62,036
Retail Trade	10,540	\$30,821
Transportation and Warehousing	2,065	\$38,101
Information	735	\$50,272
Finance and Insurance	2,081	\$43,789
Real Estate and Rental and Leasing	3,185	\$25,833
Professional, Scientific, and Technical S	3,149	\$54,837
Management of Companies and Enterpr	284	\$57,259
Administrative and Support and Waste M	6,375	\$26,202
Educational Services	914	\$27,540
Health Care and Social Assistance	8,566	\$49,447
Arts, Entertainment, and Recreation	823	\$17,167
Accommodation and Food Services	6,704	\$19,167
Other Services (except Public Administra	3,474	\$22,761
Government	21,200	\$60,962
Unclassified Industry	95	\$26,410

Top Regional Businesses

Business Name	Business Size
Morale Welfare Recreation	Large (250+)
Yuma Regional Medical Ctr	Large (250+)
Trax International Corp	Large (250+)
Yuma Mesa Fruit Growers Assn	Large (250+)
Yuma Proving Ground Exchange	Large (250+)

Growing & Declining Occupations

Occupation	Change in Jobs (2011-2016)
Customer Service Representatives	499
Retail Salespersons	346
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	287
Inspectors, Testers, Sorters, Samplers, and Weighers	(29)
Mental Health and Substance Abuse Social Workers	(33)
Childcare Workers	(168)

Growing & Declining Industries

Industry	Change in Jobs (2011-2016)
Telemarketing Bureaus and Other Contact Centers	766
Crop Production	546
Janitorial Services	363
Outpatient Mental Health and Substance Abuse Centers	(326)
Federal Government, Civilian, Excluding Postal Service	(356)
Testing Laboratories	(365)

Unemployment by Industry

Total Unemployment (10/2016)
18,868

Industry	Unemployed (10/2016)	% of Regional Unemployment
No Previous Work Experience/Unspecified	4,903	26%
Crop and Animal Production	3,975	21%
Government	2,384	13%
Retail Trade	2,263	12%
Accommodation and Food Services	1,417	8%
Health Care and Social Assistance	963	5%
Administrative and Support and Waste Management and Remediation Services	561	3%
Manufacturing	434	2%
Other Services (except Public Administration)	403	2%
Construction	392	2%
Professional, Scientific, and Technical Services	343	2%
Transportation and Warehousing	171	1%
Finance and Insurance	161	1%
Educational Services	158	1%
Wholesale Trade	102	1%
Real Estate and Rental and Leasing	100	1%
Arts, Entertainment, and Recreation	65	0%
Information	40	0%
Utilities	28	0%
Mining, Quarrying, and Oil and Gas Extraction	3	0%
Management of Companies and Enterprises	1	0%

Appendix A - Data Sources and Calculations

Input-Output Data

The input-output model in this report is Emsi's gravitational flows multi-regional social account matrix model (MR-SAM). It is based on data from the Census Bureau's Current Population Survey and American Community Survey; as well as the Bureau of Economic Analysis' National Income and Product Accounts, Input-Output Make and Use Tables, and Gross State Product data. In addition, several Emsi in-house data sets are used, as well as data from Oak Ridge National Labs on the cost of transportation between counties.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Demographic Data

The demographic data in this report is compiled from several sources using a specialized process. Sources include annual population estimates and population projections from the US Census Bureau, birth and mortality rates from the US Health Department, and projected regional job growth.

Industry Data

Emsi industry data have various sources depending on the class of worker. (1) For QCEW Employees, Emsi primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Unemployment Data

The unemployment data in this report comes from the Bureau of Labor Statistics' Local Area Unemployment Statistics and is updated every two months.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

Educational Attainment Data

Emsi's educational attainment numbers are based on Emsi's demographic data and the American Community Survey. By combining these sources, Emsi interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.

Infogroup Business-Level Data

Data for individual businesses is provided by Infogroup, which maintains a database of more than 16 million U.S. business entities. Note that in aggregate it will not be consistent with Emsi labor market data due to differences in definitions, methodology, coverage, and industry/geographic classification.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics; California Labor Market Information Department.

Unemployment By Industry Yuma/La Paz Counties and National

Total Number of Unemployed 18,868 (10/2016)

Industry	Unemployed (10/2016)	% of Regional Unemployment	% of National Unemployment
No Previous Work Experience/Unspecified	4,903	26%	16%
Crop and Animal Production	3,975	21%	1%
Government	2,384	13%	7%
Retail Trade	2,263	12%	13%
Accommodation and Food Services	1,417	8%	10%
Health Care and Social Assistance	963	5%	8%
Administrative and Support and Waste Management and Remediation Services	561	3%	7%
Manufacturing	434	2%	9%
Other Services (except Public Administration)	403	2%	4%
Construction	392	2%	5%
Professional, Scientific, and Technical Services	343	2%	5%
Transportation and Warehousing	171	1%	3%
Finance and Insurance	161	1%	2%
Educational Services	158	1%	3%
Wholesale Trade	102	1%	2%
Real Estate and Rental and Leasing	100	1%	1%
Arts, Entertainment, and Recreation	65	0%	2%
Information	40	0%	1%
Utilities	28	0%	0%
Mining, Quarrying, and Oil and Gas Extraction	3	0%	1%
Management of Companies and Enterprises	1	0%	0%

Emsi 2016 1st Quarter

Year	2011	2012	2013	2014	2015	2016
National	9.0	8.1	7.4	6.2	5.3	4.9
State	9.5	8.3	8.0	6.8	6.1	5.0
Yuma Co	27.1	27.6	29.7	24.9	22.1	16.7
LaPaz Co	10.3	9.5	9.4	9	7.7	5.5

US Bureau of Labor Statistics January 2017

Preliminary Numbers

Appendix A - Data Sources and Calculations

Unemployment Data

The unemployment data in this report comes from the Bureau of Labor Statistics' Local Area Unemployment Statistics and is updated every two months.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics.

Arizona Western College Completers with Job Openings and Wages

IPED's Data

EMSI 1st Quarter 2017 Data Set

Highlighted numbers are top 10 Completions in column
 Highlighted number represents more jobs than completers
 Highlighted area is more jobs than completers and over \$20.00

CIP Code	Program	Arizona Western College Completions (2015)	Regional Openings (2016)	Regional Jobs (2016)	Regional Jobs (2026)	Growth in Jobs (2016-2026)	Median Hourly Earnings
01.0000	Agriculture, General	1	1	16	20	20%	\$28.48
01.0101	Agricultural Business and Management, General	0	28	1,049	1,094	4%	\$15.47
01.0304	Crop Production	3	30	1,070	1,119	5%	\$15.48
01.1001	Food Science	0	4	42	70	67%	\$19.63
01.1101	Plant Sciences, General	0	29	1,058	1,103	4%	\$15.56
03.0104	Environmental Science	2	6	66	88	33%	\$28.21
04.0901	Architectural Technology/Technician	3	1	37	37	1%	\$18.53
09.0100	Communication, General	6	28	757	852	13%	\$25.93
09.0101	Speech Communication and Rhetoric	0	8	176	208	19%	\$16.36
09.0102	Mass Communication/Media Studies	0	9	161	188	16%	\$16.15
09.0199	Communication and Media Studies, Other	0	9	163	189	16%	\$16.37
09.0701	Radio and Television	0	2	33	32	(3%)	\$20.76
10.0202	Radio and Television Broadcasting Technology/Technician	0	1	22	17	(23%)	\$17.73
11.0101	Computer and Information Sciences, General	16	22	515	611	19%	\$33.08
11.0601	Data Entry/Microcomputer Applications, General	0	3	52	62	20%	\$16.43
11.0803	Computer Graphics	3	6	130	145	12%	\$23.72
11.0901	Computer Systems Networking and Telecommunications	2	23	481	587	22%	\$27.11
11.1003	Computer and Information Systems Security/Information Assurance	1	20	401	490	22%	\$22.84
12.0503	Culinary Arts/Chef Training	17	35	728	836	15%	\$10.53
12.0504	Restaurant, Culinary, and Catering Management/Manager	0	42	866	972	12%	\$14.13
13.0101	Education, General	0	82	2,533	2,716	7%	\$19.89
13.1202	Elementary Education and Teaching	1	32	1,061	1,124	6%	\$18.68
13.1205	Secondary Education and Teaching	14	5	134	145	8%	\$20.02
13.1210	Early Childhood Education and Teaching	37	18	454	482	6%	\$13.32
13.1314	Physical Education Teaching and Coaching	1	28	719	789	10%	\$17.43
13.1399	Teacher Education and Professional Development, Specific Subject Areas, Other	0	17	499	532	7%	\$18.56
14.0101	Engineering, General	15	8	143	172	20%	\$44.04
15.0201	Civil Engineering Technology/Technician	0	3	44	54	22%	\$17.84
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	14	4	64	79	23%	\$32.49

CIP Code	Program	Arizona Western College Completions (2015)	Regional Openings (2016)	Regional Jobs (2016)	Regional Jobs (2026)	Growth in Jobs (2016-2026)	Median Hourly Earnings
15.0506	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician	2	7	141	166	17%	\$19.05
15.0612	Industrial Technology/Technician	18	2	74	74	0%	\$23.45
15.0613	Manufacturing Engineering Technology/Technician	1	6	116	136	18%	\$26.35
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	0	1	37	37	1%	\$18.53
16.0905	Spanish Language and Literature	5	3	86	96	12%	\$16.82
16.1601	American Sign Language (ASL)	0	3	86	96	12%	\$16.82
19.0101	Family and Consumer Sciences/Human Sciences, General	24	0	2	3	16%	\$21.00
19.0706	Child Development	1	62	1,522	1,576	4%	\$7.70
19.0709	Child Care Provider/Assistant	0	43	1,108	1,105	(0%)	\$6.35
22.0302	Legal Assistant/Paralegal	11	4	110	122	10%	\$20.01
23.0101	English Language and Literature, General	9	16	519	579	12%	\$30.12
24.0102	General Studies	936	0	0	0	0%	\$0.00
26.0101	Biology/Biological Sciences, General	15	2	33	38	17%	\$37.08
27.0101	Mathematics, General	14	2	26	35	33%	\$40.40
31.0501	Health and Physical Education/Fitness, General	2	12	218	255	17%	\$15.29
31.0599	Health and Physical Education/Fitness, Other	0	7	274	293	7%	\$9.43
38.0101	Philosophy	1	16	519	579	12%	\$30.12
40.0501	Chemistry, General	1	3	34	56	65%	\$40.66
40.0601	Geology/Earth Science, General	1	2	35	39	12%	\$37.91
40.0607	Oceanography, Chemical and Physical	0	2	35	39	12%	\$37.91
40.0801	Physics, General	11	1	19	26	32%	\$44.64
42.0101	Psychology, General	0	7	108	133	23%	\$28.77
43.0103	Criminal Justice/Law Enforcement Administration	75	6	128	137	7%	\$32.30
43.0107	Criminal Justice/Police Science	0	41	1,260	1,314	4%	\$30.67
43.0110	Juvenile Corrections	0	54	1,356	1,466	8%	\$20.60
43.0114	Law Enforcement Investigation and Interviewing	3	53	1,659	1,769	7%	\$31.50
43.0199	Corrections and Criminal Justice, Other	3	45	1,131	1,216	7%	\$21.27
43.0203	Fire Science/Fire-fighting	18	15	410	437	7%	\$20.21
43.0301	Homeland Security	2	47	984	1,125	14%	\$27.19
43.9999	Homeland Security, Law Enforcement, Firefighting and Related Protective Services, Other	0	7	320	332	4%	\$15.15
44.0000	Human Services, General	0	52	1,075	1,274	19%	\$18.97
45.0101	Social Sciences, General	38	1	25	26	6%	\$33.65
45.1001	Political Science and Government, General	6	0	2	2	4%	\$42.00
46.0000	Construction Trades, General	315	47	2,484	2,236	(10%)	\$16.88
46.0101	Mason/Masonry	42	3	326	276	(15%)	\$20.39
46.0201	Carpentry/Carpenter	2	12	822	695	(15%)	\$17.18

CIP Code	Program	Arizona Western College Completions (2015)	Regional Openings (2016)	Regional Jobs (2016)	Regional Jobs (2026)	Growth in Jobs (2016-2026)	Median Hourly Earnings
46.0301	Electrical and Power Transmission Installation/Installer, General	0	6	294	267	(9%)	\$24.16
46.0302	Electrician	9	11	584	571	(2%)	\$21.40
46.0403	Building/Home/Construction Inspection/Inspector	7	6	324	296	(9%)	\$21.81
46.0503	Plumbing Technology/Plumber	0	7	413	383	(7%)	\$18.63
46.0599	Plumbing and Related Water Supply Services, Other	59	3	124	131	6%	\$13.02
46.9999	Construction Trades, Other	0	27	1,065	969	(9%)	\$15.69
47.0101	Electrical/Electronics Equipment Installation and Repair, General	0	8	202	230	14%	\$21.39
47.0199	Electrical/Electronics Maintenance and Repair Technology, Other	0	1	17	16	(9%)	\$16.26
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	21	4	251	239	(5%)	\$20.75
47.0604	Automobile/Automotive Mechanics Technology/Technician	90	19	497	533	7%	\$12.97
48.0508	Welding Technology/Welder	21	10	172	189	10%	\$18.01
50.0501	Drama and Dramatics/Theatre Arts, General	7	4	64	75	17%	\$16.74
50.0702	Fine/Studio Arts, General	15	3	63	73	16%	\$9.09
50.0706	Intermedia/Multimedia	0	4	94	107	14%	\$10.55
50.0901	Music, General	3	5	101	123	22%	\$15.61
51.0000	Health Services/Allied Health/Health Sciences, General	0	277	5,041	6,105	21%	\$27.54
51.0708	Medical Transcription/Transcriptionist	0	3	46	58	26%	\$15.68
51.0904	Emergency Medical Technology/Technician (EMT Paramedic)	55	1	57	57	1%	\$15.15
51.0911	Radiologic Technology/Science - Radiographer	16	4	120	130	8%	\$30.54
51.0913	Athletic Training/Trainer	0	1	9	11	28%	\$20.86
51.1105	Pre-Nursing Studies	0	66	1,367	1,599	17%	\$32.03
51.1199	Health/Medical Preparatory Programs, Other	6	88	1,816	2,129	17%	\$39.16
51.2208	Community Health and Preventive Medicine	16	15	323	369	14%	\$28.29
51.3101	Dietetics/Dietitian	6	2	49	56	16%	\$23.49
51.3199	Dietetics and Clinical Nutrition Services, Other	0	1	35	41	17%	\$28.11
51.3501	Massage Therapy/Therapeutic Massage	19	6	112	144	28%	\$11.75
51.3801	Registered Nursing/Registered Nurse	57	56	1,183	1,378	16%	\$33.14
51.3802	Nursing Administration	0	8	148	173	17%	\$45.18
51.3901	Licensed Practical/Vocational Nurse Training	0	11	183	221	20%	\$24.92
51.3902	Nursing Assistant/Aide and Patient Care Assistant/Aide	153	24	566	646	14%	\$12.08
52.0101	Business/Commerce, General	25	137	2,899	3,312	14%	\$28.18

CIP Code	Program	Arizona Western College Completions (2015)	Regional Openings (2016)	Regional Jobs (2016)	Regional Jobs (2026)	Growth in Jobs (2016-2026)	Median Hourly Earnings
52.0201	Business Administration and Management, General	46	152	3,267	3,721	14%	\$26.64
52.0203	Logistics, Materials, and Supply Chain Management	2	3	99	107	8%	\$36.60
52.0204	Office Management and Supervision	2	31	679	803	18%	\$20.03
52.0212	Retail Management	0	111	2,709	3,015	11%	\$21.56
52.0301	Accounting	18	26	498	578	16%	\$25.83
52.0701	Entrepreneurship/Entrepreneurial Studies	1	104	2,023	2,380	18%	\$27.54
52.0901	Hospitality Administration/Management, General	1	12	324	337	4%	\$16.32
52.0904	Hotel/Motel Administration/Management	0	16	365	397	9%	\$15.99
52.1399	Management Sciences and Quantitative Methods, Other	0	2	20	29	46%	\$31.20
52.1401	Marketing/Marketing Management, General	3	16	344	403	17%	\$29.33
52.2001	Construction Management	2	2	140	113	(20%)	\$24.76
54.0101	History, General	2	0	5	5	4%	\$28.54

Data Set sorted by CIP Codes

Data Sources and Calculations

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Institution Data

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Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics.

Yuma/La Paz Counties Occupational Growth with Median Earnings and Educational Level

Top 100 Occupations 2016 By Median Hourly Earnings Per Educational Level

SOC	Description	2016 Jobs	2026 Jobs	2016 - 2026 % Change	Annual Openings	Median Hourly Earnings	Typical Entry Level Education
29-1063	Internists, General	59	62	5%	2	\$123.57	Doctoral or professional degree
29-1067	Surgeons	15	18	20%	Insf. Data	\$113.27	Doctoral or professional degree
29-1061	Anesthesiologists	36	41	14%	2	\$112.38	Doctoral or professional degree
29-1069	Physicians and Surgeons, All Other	143	163	14%	6	\$111.54	Doctoral or professional degree
29-1066	Psychiatrists	10	12	20%	Insf. Data	\$105.30	Doctoral or professional degree
29-1065	Pediatricians, General	14	16	14%	Insf. Data	\$77.83	Doctoral or professional degree
29-1062	Family and General Practitioners	71	80	13%	3	\$75.64	Doctoral or professional degree
29-1151	Nurse Anesthetists	11	14	27%	Insf. Data	\$75.49	Master's degree
29-1051	Pharmacists	139	177	27%	8	\$66.35	Doctoral or professional degree
29-1021	Dentists, General	72	91	26%	4	\$60.90	Doctoral or professional degree
29-1041	Optometrists	19	23	21%	1	\$58.32	Doctoral or professional degree
29-1071	Physician Assistants	138	167	21%	6	\$55.49	Master's degree
53-2021	Air Traffic Controllers	44	42	(5%)	1	\$53.72	Associate's degree
29-1171	Nurse Practitioners	122	155	27%	7	\$52.34	Master's degree
53-2011	Airline Pilots, Copilots, and Flight Engineers	17	20	18%	Insf. Data	\$49.26	Bachelor's degree
23-1023	Judges, Magistrate Judges, and Magistrates	31	35	13%	Insf. Data	\$47.66	Doctoral or professional degree
17-2072	Electronics Engineers, Except Computer	42	50	19%	2	\$45.56	Bachelor's degree
11-9111	Medical and Health Services Managers	148	173	17%	7	\$45.18	Bachelor's degree
29-1131	Veterinarians	22	27	23%	Insf. Data	\$45.18	Doctoral or professional degree
17-2199	Engineers, All Other	96	109	14%	3	\$45.01	Bachelor's degree
29-1124	Radiation Therapists	11	13	18%	Insf. Data	\$44.75	Associate's degree
11-9121	Natural Sciences Managers	15	20	33%	Insf. Data	\$43.19	Bachelor's degree
11-9041	Architectural and Engineering Managers	46	62	35%	3	\$41.96	Bachelor's degree
15-1143	Computer Network Architects	19	21	11%	Insf. Data	\$41.65	Bachelor's degree
17-2061	Computer Hardware Engineers	40	39	(3%)	Insf. Data	\$41.46	Bachelor's degree
11-3061	Purchasing Managers	21	22	5%	Insf. Data	\$40.98	Bachelor's degree
29-2035	Magnetic Resonance Imaging Technologists	15	15	0%	Insf. Data	\$40.86	Associate's degree
29-2032	Diagnostic Medical Sonographers	18	23	28%	Insf. Data	\$40.36	Associate's degree
23-1011	Lawyers	173	198	14%	6	\$40.14	Doctoral or professional degree
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	10	11	10%	Insf. Data	\$40.06	Doctoral or professional degree

SOC	Description	2016 Jobs	2026 Jobs	2016 - 2026 % Change	Annual Openings	Median Hourly Earnings	Typical Entry Level Education
49-9051	Electrical Power-Line Installers and Repairers	32	43	34%	3	\$40.03	High school diploma or equivalent
15-1133	Software Developers, Systems Software	30	39	30%	1	\$39.41	Bachelor's degree
17-2131	Materials Engineers	43	50	16%	2	\$39.39	Bachelor's degree
11-3021	Computer and Information Systems Managers	59	74	25%	2	\$39.26	Bachelor's degree
17-2141	Mechanical Engineers	79	107	35%	6	\$39.19	Bachelor's degree
11-2031	Public Relations and Fundraising Managers	15	17	13%	Insf. Data	\$38.91	Bachelor's degree
11-3071	Transportation, Storage, and Distribution Managers	59	64	8%	2	\$38.88	High school diploma or equivalent
11-2021	Marketing Managers	51	62	22%	2	\$38.68	Bachelor's degree
19-2031	Chemists	19	37	95%	2	\$38.54	Bachelor's degree
29-1123	Physical Therapists	54	80	48%	5	\$38.47	Doctoral or professional degree
41-9031	Sales Engineers	19	20	5%	Insf. Data	\$38.38	Bachelor's degree
11-1011	Chief Executives	210	280	33%	11	\$38.27	Bachelor's degree
19-2099	Physical Scientists, All Other	19	20	5%	Insf. Data	\$38.13	Bachelor's degree
49-3011	Aircraft Mechanics and Service Technicians	66	66	0%	2	\$37.84	Postsecondary nondegree award
15-1121	Computer Systems Analysts	182	217	19%	6	\$37.09	Bachelor's degree
29-2021	Dental Hygienists	79	111	41%	5	\$36.92	Associate's degree
33-3021	Detectives and Criminal Investigators	749	762	2%	20	\$36.91	High school diploma or equivalent
11-3131	Training and Development Managers	17	21	24%	Insf. Data	\$36.72	Bachelor's degree
15-1132	Software Developers, Applications	61	81	33%	3	\$36.45	Bachelor's degree
13-2031	Budget Analysts	46	49	7%	2	\$36.07	Bachelor's degree
11-3031	Financial Managers	184	232	26%	10	\$35.75	Bachelor's degree
15-1199	Computer Occupations, All Other	81	87	7%	2	\$35.59	Bachelor's degree
13-1041	Compliance Officers	321	339	6%	7	\$35.58	Bachelor's degree
19-3099	Social Scientists and Related Workers, All Other	22	23	5%	Insf. Data	\$35.38	Bachelor's degree
11-9032	Education Administrators, Elementary and Secondary School	135	144	7%	5	\$35.00	Master's degree
53-2012	Commercial Pilots	61	62	2%	2	\$34.92	High school diploma or equivalent
17-2112	Industrial Engineers	30	46	53%	3	\$34.73	Bachelor's degree
13-1131	Fundraisers	14	15	7%	Insf. Data	\$34.58	Bachelor's degree
29-1122	Occupational Therapists	40	54	35%	2	\$34.48	Master's degree
17-2051	Civil Engineers	102	125	23%	6	\$34.35	Bachelor's degree

SOC	Description	2016 Jobs	2026 Jobs	2016 - 2026 % Change	Annual Openings	Median Hourly Earnings	Typical Entry Level Education
19-2042	Geoscientists, Except Hydrologists and Geographers	15	15	0%	Insf. Data	\$34.27	Bachelor's degree
17-2041	Chemical Engineers	12	14	17%	Insf. Data	\$34.25	Bachelor's degree
29-1181	Audiologists	12	14	17%	Insf. Data	\$33.85	Doctoral or professional degree
11-9033	Education Administrators, Postsecondary	32	34	6%	1	\$33.77	Master's degree
17-2011	Aerospace Engineers	32	33	3%	1	\$33.57	Bachelor's degree
11-3121	Human Resources Managers	54	69	28%	3	\$33.54	Bachelor's degree
13-1081	Logisticians	40	43	8%	Insf. Data	\$33.23	Bachelor's degree
29-1141	Registered Nurses	1,183	1,378	16%	50	\$33.14	Bachelor's degree
17-2071	Electrical Engineers	66	79	20%	3	\$32.98	Bachelor's degree
13-2051	Financial Analysts	90	103	14%	4	\$32.89	Bachelor's degree
11-3011	Administrative Services Managers	96	115	20%	4	\$32.89	Bachelor's degree
29-1011	Chiropractors	15	16	7%	Insf. Data	\$32.74	Doctoral or professional degree
17-2031	Biomedical Engineers	46	52	13%	2	\$32.69	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	45	57	27%	3	\$32.65	Bachelor's degree
17-3023	Electrical and Electronics Engineering Technicians	64	79	23%	3	\$32.49	Associate's degree
33-1012	First-Line Supervisors of Police and Detectives	128	137	7%	6	\$32.30	High school diploma or equivalent
29-2011	Medical and Clinical Laboratory Technologists	47	53	13%	2	\$32.12	Bachelor's degree
19-1029	Biological Scientists, All Other	17	18	6%	Insf. Data	\$31.87	Bachelor's degree
13-1199	Business Operations Specialists, All Other	354	401	13%	9	\$31.87	Bachelor's degree
13-2072	Loan Officers	67	79	18%	4	\$31.71	Bachelor's degree
29-1126	Respiratory Therapists	34	42	24%	2	\$31.63	Associate's degree
19-1042	Medical Scientists, Except Epidemiologists	14	17	21%	Insf. Data	\$31.34	Doctoral or professional degree
15-2031	Operations Research Analysts	20	29	45%	1	\$31.20	Bachelor's degree
53-6051	Transportation Inspectors	11	13	18%	Insf. Data	\$30.89	High school diploma or equivalent
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	104	114	10%	4	\$30.78	Bachelor's degree
15-1141	Database Administrators	21	26	24%	1	\$30.55	Bachelor's degree
13-2052	Personal Financial Advisors	273	350	28%	16	\$30.37	Bachelor's degree
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	109	130	19%	5	\$30.34	Bachelor's degree
11-3051	Industrial Production Managers	82	97	18%	4	\$30.31	Bachelor's degree

SOC	Description	2016 Jobs	2026 Jobs	2016 - 2026 % Change	Annual Openings	Median Hourly Earnings	Typical Entry Level Education
11-2022	Sales Managers	201	222	10%	7	\$30.19	Bachelor's degree
25-1099	Postsecondary Teachers	519	579	12%	16	\$30.12	Doctoral or professional degree
13-2099	Financial Specialists, All Other	45	50	11%	1	\$30.10	Bachelor's degree
13-1111	Management Analysts	196	232	18%	7	\$30.05	Bachelor's degree
21-1022	Healthcare Social Workers	71	85	20%	3	\$29.98	Master's degree
27-3042	Technical Writers	32	36	13%	1	\$29.51	Bachelor's degree
15-1131	Computer Programmers	58	61	5%	2	\$29.25	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	16	17	6%	Insf. Data	\$29.14	Bachelor's degree
29-2034	Radiologic Technologists	106	115	8%	3	\$29.11	Associate's degree
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	63	67	6%	4	\$29.05	Postsecondary nondegree award
15-1142	Network and Computer Systems Administrators	81	94	16%	3	\$28.68	Bachelor's degree
11-1021	General and Operations Managers	904	1,046	16%	39	\$26.29	Bachelor's degree

EMSI 2017 1st Quarter

Data Set sorted by Median Hourly Earnings

Data Sources and Calculations

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics.

Yuma/La Paz Counties Industrial Growth with Annual Earnings

10 Year Projection 2016-2026 Industries with Over 200 Jobs by 2026

NAICS	Description	2016 Jobs	2026 Jobs	2016 - 2026 Change	2016 - 2026 % Change	2016 - 2026 State % Change	2016 - 2026 National % Change	Current Wages, Salaries, & Proprietor Earnings
115115	Farm Labor Contractors and Crew Leaders	6,827	6,791	(36)	(1%)	5%	17%	\$21,634
903999	Local Government, Excluding Education and Hospitals	6,013	6,362	349	6%	6%	3%	\$37,297
901200	Federal Government, Military	4,348	4,836	488	11%	4%	(2%)	\$54,221
903611	Elementary and Secondary Schools (Local Government)	4,248	4,375	127	3%	3%	4%	\$34,285
111000	Crop Production	4,048	4,255	207	5%	3%	1%	\$33,665
901199	Federal Government, Civilian, Excluding Postal Service	3,547	3,481	(66)	(2%)	4%	0%	\$76,447
561422	Telemarketing Bureaus and Other Contact Centers	1,983	2,880	897	45%	49%	28%	\$19,735
722513	Limited-Service Restaurants	2,360	2,806	446	19%	20%	14%	\$13,714
622110	General Medical and Surgical Hospitals	2,315	2,522	207	9%	20%	7%	\$57,811
722511	Full-Service Restaurants	2,164	2,294	130	6%	13%	12%	\$17,424
452910	Warehouse Clubs and Supercenters	1,741	2,223	482	28%	26%	27%	\$26,527
115114	Postharvest Crop Activities (except Cotton Ginning)	1,986	2,118	132	7%	10%	17%	\$37,334
902999	State Government, Excluding Education and Hospitals	1,516	1,923	407	27%	(1%)	(0%)	\$43,544
561720	Janitorial Services	1,445	1,875	430	30%	17%	14%	\$20,490
621111	Offices of Physicians (except Mental Health Specialists)	1,326	1,577	251	19%	18%	14%	\$71,163
541380	Testing Laboratories	893	1,283	390	44%	14%	11%	\$54,505
903612	Colleges, Universities, and Professional Schools (Local Government)	1,216	1,282	66	5%	3%	8%	\$22,976
624410	Child Day Care Services	1,071	1,063	(8)	(1%)	0%	(1%)	\$10,604
561730	Landscaping Services	901	1,002	101	11%	11%	14%	\$17,469
445110	Supermarkets and Other Grocery (except Convenience) Stores	1,095	865	(230)	(21%)	7%	7%	\$24,468
441210	Recreational Vehicle Dealers	614	843	229	37%	22%	21%	\$48,447
721110	Hotels (except Casino Hotels) and Motels	777	783	6	1%	6%	9%	\$19,423
531210	Offices of Real Estate Agents and Brokers	710	714	4	1%	3%	5%	\$15,936
561330	Professional Employer Organizations	358	683	325	91%	(4%)	(9%)	\$34,172
441110	New Car Dealers	603	683	80	13%	10%	9%	\$52,843
611110	Elementary and Secondary Schools	509	616	107	21%	25%	15%	\$28,975
211111	Crude Petroleum and Natural Gas Extraction	360	579	219	61%	43%	34%	\$37,845
447110	Gasoline Stations with Convenience Stores	688	556	(132)	(19%)	13%	8%	\$19,733

NAICS	Description	2016 Jobs	2026 Jobs	2016 - 2026 Change	2016 - 2026 % Change	2016 - 2026 State % Change	2016 - 2026 National % Change	Current Wages, Salaries, & Proprietor Earnings
621610	Home Health Care Services	347	540	193	56%	31%	34%	\$26,962
623110	Nursing Care Facilities (Skilled Nursing Facilities)	473	530	57	12%	25%	5%	\$34,074
531110	Lessors of Residential Buildings and Dwellings	479	529	50	10%	13%	19%	\$31,002
452112	Discount Department Stores	464	525	61	13%	2%	(6%)	\$15,129
621210	Offices of Dentists	372	520	148	40%	20%	14%	\$42,995
447190	Other Gasoline Stations	335	512	177	53%	20%	3%	\$19,843
446110	Pharmacies and Drug Stores	350	511	161	46%	12%	1%	\$40,550
624120	Services for the Elderly and Persons with Disabilities	354	509	155	44%	47%	44%	\$12,566
424910	Farm Supplies Merchant Wholesalers	410	502	92	22%	11%	9%	\$76,710
522110	Commercial Banking	463	498	35	8%	25%	(0%)	\$38,177
524126	Direct Property and Casualty Insurance Carriers	262	489	227	87%	22%	1%	\$38,354
531390	Other Activities Related to Real Estate	468	485	17	4%	4%	12%	\$24,293
311511	Fluid Milk Manufacturing	319	484	165	52%	38%	6%	\$35,127
238210	Electrical Contractors and Other Wiring Installation Contractors	435	473	38	9%	(0%)	10%	\$35,535
115112	Soil Preparation, Planting, and Cultivating	337	463	126	37%	34%	24%	\$31,419
484121	General Freight Trucking, Long-Distance, Truckload	455	459	4	1%	10%	5%	\$33,135
454390	Other Direct Selling Establishments	507	459	(48)	(9%)	6%	(1%)	\$10,429
813110	Religious Organizations	438	456	18	4%	15%	6%	\$17,553
238220	Plumbing, Heating, and Air-Conditioning Contractors	471	448	(23)	(5%)	5%	12%	\$32,051
115113	Crop Harvesting, Primarily by Machine	671	424	(247)	(37%)	(26%)	28%	\$28,964
812990	All Other Personal Services	382	407	25	7%	10%	10%	\$18,290
524210	Insurance Agencies and Brokerages	372	402	30	8%	23%	11%	\$31,412
541330	Engineering Services	301	401	100	33%	(6%)	8%	\$59,692
721211	RV (Recreational Vehicle) Parks and Campgrounds	376	398	22	6%	9%	24%	\$24,001
115116	Farm Management Services	376	392	16	4%	10%	22%	\$20,634
531311	Residential Property Managers	272	382	110	40%	27%	25%	\$20,578
812112	Beauty Salons	327	373	46	14%	14%	13%	\$17,451
551114	Corporate, Subsidiary, and Regional Managing Offices	238	370	132	55%	21%	15%	\$44,439
722515	Snack and Nonalcoholic Beverage Bars	281	366	85	30%	32%	23%	\$14,182
811111	General Automotive Repair	340	353	13	4%	6%	8%	\$27,164
531130	Lessors of Miniwarehouses and Self-Storage Units	276	349	73	26%	24%	24%	\$27,552
531120	Lessors of Nonresidential Buildings (except Miniwarehouses)	277	337	60	22%	21%	20%	\$29,229
444110	Home Centers	297	331	34	11%	7%	9%	\$25,179

NAICS	Description	2016 Jobs	2026 Jobs	2016 - 2026 Change	2016 - 2026 % Change	2016 - 2026 State % Change	2016 - 2026 National % Change	Current Wages, Salaries, & Proprietor Earnings
621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists	213	319	106	50%	29%	32%	\$35,040
811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	224	315	91	41%	13%	9%	\$38,888
531190	Lessors of Other Real Estate Property	337	312	(25)	(7%)	16%	16%	\$28,899
561110	Office Administrative Services	252	299	47	19%	30%	17%	\$34,374
623990	Other Residential Care Facilities	211	285	74	35%	24%	7%	\$18,479
523930	Investment Advice	220	275	55	25%	18%	12%	\$25,753
221310	Water Supply and Irrigation Systems	204	275	71	35%	12%	17%	\$53,424
443142	Electronics Stores	246	272	26	11%	(11%)	(4%)	\$35,765
814110	Private Households	262	263	1	0%	8%	6%	\$10,301
517110	Wired Telecommunications Carriers	219	258	39	18%	(3%)	(5%)	\$74,440
623220	Residential Mental Health and Substance Abuse Facilities	142	255	113	80%	44%	28%	\$29,954
621492	Kidney Dialysis Centers	137	254	117	85%	40%	35%	\$40,058
441310	Automotive Parts and Accessories Stores	240	253	13	5%	7%	10%	\$26,594
492110	Couriers and Express Delivery Services	201	253	52	26%	9%	8%	\$34,635
541511	Custom Computer Programming Services	255	247	(8)	(3%)	29%	22%	\$75,684
441320	Tire Dealers	184	242	58	32%	11%	9%	\$33,908
722410	Drinking Places (Alcoholic Beverages)	217	239	22	10%	6%	7%	\$16,321
622310	Specialty (except Psychiatric and Substance Abuse) Hospitals	150	234	84	56%	46%	27%	\$46,810
561210	Facilities Support Services	284	232	(52)	(18%)	10%	20%	\$46,842
453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)	208	229	21	10%	9%	5%	\$19,263
624190	Other Individual and Family Services	245	225	(20)	(8%)	17%	10%	\$34,548
453991	Tobacco Stores	152	224	72	47%	43%	35%	\$21,142
484110	General Freight Trucking, Local	164	220	56	34%	4%	6%	\$34,330
541611	Administrative Management and General Management Consulting Services	200	219	19	10%	2%	25%	\$72,627
335911	Storage Battery Manufacturing	163	218	55	34%	23%	13%	\$50,128
561790	Other Services to Buildings and Dwellings	167	215	48	29%	14%	15%	\$21,164
713990	All Other Amusement and Recreation Industries	138	211	73	53%	33%	23%	\$24,023
237130	Power and Communication Line and Related Structures Construction	143	211	68	48%	3%	37%	\$42,753
311991	Perishable Prepared Food Manufacturing	226	209	(17)	(8%)	52%	33%	\$33,621

NAICS	Description	2016 Jobs	2026 Jobs	2016 - 2026 Change	2016 - 2026 % Change	2016 - 2026 State % Change	2016 - 2026 National % Change	Current Wages, Salaries, & Proprietor Earnings
236115	New Single-Family Housing Construction (except For-Sale Builders)	417	207	(210)	(50%)	(30%)	(10%)	\$30,826
722330	Mobile Food Services	138	207	69	50%	39%	43%	\$21,292
488210	Support Activities for Rail Transportation	108	204	96	89%	40%	29%	\$20,618

Emsi 1st Quarter 2017

Data Set sorted by 2026 Jobs

Data Sources and Calculations

Industry Data

Emsi industry data have various sources depending on the class of worker. (1) For QCEW Employees, Emsi primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics.