

Education Program Ratings, Statewide

Rating ¹	Educ. Level ²	CIP Code ³	Classification of Instructional Program (CIP) Title	Projected Percent Growth (2017-2027) ⁴	Projected Numeric Change (2017-2027) ⁵	Projected Numeric Job Openings (2017-2027) ⁶	Average Hourly Wage (2018) ⁷	ONET Score ⁸
5	Bachelor's Degree	51.38	Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing	34.8%	19,942	53,860	\$37.02	636
5	Bachelor's Degree	14.41	Electromechanical Engineering	17.0%	419	2,070	\$47.23	641
5	Bachelor's Degree	14.08	Civil Engineering	19.5%	560	2,760	\$40.51	642
5	Bachelor's Degree	11.01	Computer and Information Sciences, General	20.3%	2,642	11,630	\$44.38	567
5	Bachelor's Degree	14.1	Electrical, Electronics and Communications Engineering	12.7%	1,417	8,820	\$50.44	603
5	Bachelor's Degree	14.35	Industrial Engineering	21.6%	297	1,270	\$46.13	597
5	Bachelor's Degree	14.09	Computer Engineering	24.3%	1,351	5,260	\$49.79	541
5	Bachelor's Degree	52.01	Business/Commerce, General	22.3%	1,506	7,890	\$40.32	564
5	Bachelor's Degree	14.19	Mechanical Engineering	17.4%	647	3,350	\$44.22	610
5	Bachelor's Degree	26.11	Biomathematics, Bioinformatics, and Computational Biology	33.7%	787	2,530	\$45.62	541
5	Bachelor's Degree	52.02	Business Administration, Management and Operations	20.4%	1,897	10,870	\$39.05	571
5	Bachelor's Degree	14.33	Construction Engineering	21.3%	623	3,080	\$38.52	617
5	Bachelor's Degree	11.09	Computer Systems Networking and Telecommunications	19.1%	1,092	5,170	\$40.65	572
5	Bachelor's Degree	14.36	Manufacturing Engineering	22.7%	471	2,160	\$40.72	580
5	Bachelor's Degree	51.27	Medical Illustration and Informatics	32.2%	802	2,670	\$44.69	541
5	Bachelor's Degree	11.07	Computer Science	22.6%	1,600	6,740	\$42.87	530
5	Bachelor's Degree	15.12	Computer Engineering Technologies/Technicians	21.2%	1,136	5,130	\$43.84	541
5	Bachelor's Degree	11.02	Computer Programming	22.4%	1,325	5,620	\$42.93	527
5	Bachelor's Degree	45.06	Economics*	34.0%	1,379	5,900	\$30.25	549
5	Bachelor's Degree	52.14	Marketing*	34.0%	1,379	5,900	\$30.25	549
5	Bachelor's Degree	4.04	Environmental Design	13.6%	117	760	\$40.47	655
5	Bachelor's Degree	11.05	Computer Systems Analysis	17.9%	952	4,710	\$40.21	575
5	Bachelor's Degree	4.02	Architecture*	11.8%	61	450	\$45.78	675
5	Bachelor's Degree	4.08	Architectural History and Criticism*	11.8%	61	450	\$45.78	675
5	Bachelor's Degree	19.02	Family and Consumer Sciences/Human Sciences Business Services	28.5%	1,587	7,620	\$30.19	541
5	Bachelor's Degree	15.15	Engineering-Related Fields	16.9%	447	2,540	\$38.96	602
5	Bachelor's Degree	14.37	Operations Research	45.7%	648	1,670	\$36.90	540
5	Bachelor's Degree	14.14	Environmental/Environmental Health Engineering	13.5%	138	830	\$37.11	648
5	Bachelor's Degree	11.04	Information Science/Studies	17.6%	475	2,340	\$47.33	515
5	Bachelor's Degree	40.05	Chemistry	18.0%	162	1,110	\$32.71	621
5	Associate's Degree	51.09	Allied Health Diagnostic, Intervention, and Treatment Professions	33.5%	5,612	16,090	\$28.84	630
5	Associate's Degree	52.08	Finance and Financial Management Services	24.7%	11,076	54,240	\$27.44	490
5	Associate's Degree	51.22	Public Health	21.6%	421	2,260	\$27.42	595
5	Associate's Degree	52.03	Accounting and Related Services	18.7%	2,242	13,820	\$30.54	499
5	Associate's Degree	15.13	Drafting/Design Engineering Technologies/Technicians	20.2%	494	2,730	\$29.83	533
5	Associate's Degree	41.03	Physical Science Technologies/Technicians	17.0%	580	4,280	\$23.84	599
5	Post-Second Award	51.08	Allied Health and Medical Assisting Services	34.0%	8,327	35,580	\$18.41	553

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5	Post-Second Award	11.1	Computer/Information Technology Administration and Management	18.9%	2,529	12,450	\$32.75	562
5	Post-Second Award	51.06	Dental Support Services and Allied Professions	28.2%	2,941	14,050	\$24.35	546
5	Post-Second Award	47.02	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician (HAC, HAC)	36.7%	1,449	5,880	\$22.14	661
5	H.S. Diploma or Less	46.03	Electrical and Power Transmission Installers	24.4%	3,860	22,630	\$24.28	649
5	H.S. Diploma or Less	46.05	Plumbing and Related Water Supply Services	32.5%	3,355	15,840	\$23.44	614
5	H.S. Diploma or Less	49.02	Ground Transportation	18.3%	12,811	94,450	\$20.55	556
5	H.S. Diploma or Less	46.04	Building/Construction Finishing, Management, and Inspection	19.3%	11,323	72,970	\$19.26	570
5	H.S. Diploma or Less	46.02	Carpenters	17.7%	3,026	19,780	\$20.89	608
5	H.S. Diploma or Less	47.03	Heavy/Industrial Equipment Maintenance Technologies	14.5%	1,185	9,220	\$24.89	629
5	H.S. Diploma or Less	52.18	General Sales, Merchandising and Related Marketing Operations	15.2%	7,055	64,040	\$27.64	509
4	Bachelor's Degree	11.08	Computer Software and Media Applications	21.7%	1,028	4,710	\$39.12	532
4	Bachelor's Degree	51.23	Rehabilitation and Therapeutic Professions	31.3%	326	1,050	\$24.99	605
4	Bachelor's Degree	14.18	Materials Engineering	23.0%	185	1,000	\$33.94	562
4	Bachelor's Degree	15.1	Construction Engineering Technologies	23.2%	208	1,130	\$30.54	557
4	Bachelor's Degree	40.06	Geological and Earth Sciences/Geosciences	15.8%	63	450	\$36.15	634
4	Bachelor's Degree	52.13	Management Sciences and Quantitative Methods	30.6%	762	2,670	\$36.28	514
4	Bachelor's Degree	14.02	Aerospace, Aeronautical and Astronautical Engineering	10.9%	81	540	\$51.55	588
4	Bachelor's Degree	27.03	Applied Mathematics	20.5%	555	3,020	\$38.50	530
4	Bachelor's Degree	30.16	Accounting and Computer Science	18.8%	1,153	6,830	\$34.01	512
4	Bachelor's Degree	30.32	Marine Sciences	16.0%	116	800	\$35.63	610
4	Bachelor's Degree	52.1	Human Resources Management and Services	18.2%	3,985	26,250	\$29.42	512
4	Bachelor's Degree	52.16	Taxation	18.9%	1,278	7,810	\$30.82	503
4	Bachelor's Degree	44.07	Social Work	17.9%	844	5,640	\$20.96	564
4	Bachelor's Degree	3.01	Natural Resources Conservation and Research	16.4%	65	450	\$34.65	602
4	Bachelor's Degree	14.39	Geological/Geophysical Engineering	15.2%	35	200	\$41.41	633
4	Bachelor's Degree	11.03	Data Processing*	17.9%	134	670	\$40.87	539
4	Bachelor's Degree	30.08	Mathematics and Computer Science*	17.9%	134	670	\$40.87	539
4	Bachelor's Degree	30.3	Computational Science*	17.9%	134	670	\$40.87	539
4	Bachelor's Degree	30.31	Human Computer Interaction*	17.9%	134	670	\$40.87	539
4	Bachelor's Degree	51.05	Advanced/Graduate Dentistry and Oral Sciences	30.5%	122	670	\$25.78	544
4	Bachelor's Degree	4.06	Landscape Architecture	16.2%	56	320	\$32.94	626
4	Bachelor's Degree	40.1	Materials Sciences	17.4%	46	300	\$34.66	620
4	Bachelor's Degree	14.06	Ceramic Sciences and Engineering*	12.5%	25	180	\$43.28	627
4	Bachelor's Degree	14.2	Metallurgical Engineering*	12.5%	25	180	\$43.28	627
4	Bachelor's Degree	14.28	Textile Sciences and Engineering*	12.5%	25	180	\$43.28	627
4	Bachelor's Degree	14.32	Polymer/Plastics Engineering*	12.5%	25	180	\$43.28	627
4	Bachelor's Degree	16.01	Linguistic, Comparative, and Related Language Studies and Services	28.7%	62	280	\$25.39	549
4	Bachelor's Degree	14.21	Mining and Mineral Engineering	15.3%	21	130	\$39.02	630
4	Bachelor's Degree	1.03	Agricultural Production Operations	10.0%	25	270	\$34.50	640

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4	Bachelor's Degree	39.06	Theological and Ministerial Studies	18.7%	49	350	\$25.62	595
4	Associate's Degree	15.04	Electromechanical Instrumentation and Maintenance Technologies/Technicians	13.3%	243	1,900	\$26.14	627
4	Associate's Degree	15.03	Electrical Engineering Technologies/Technicians	12.7%	158	1,280	\$30.09	593
4	Associate's Degree	22.03	Legal Support Services	25.1%	1,739	9,510	\$23.26	446
4	Associate's Degree	9.09	Public Relations, Advertising, and Applied Communication	14.6%	405	3,460	\$27.36	539
4	Post-Second Award	47.06	Vehicle Maintenance and Repair Technologies	11.1%	2,563	24,640	\$22.81	599
4	Post-Second Award	43.01	Criminal Justice and Corrections	8.1%	2,384	26,670	\$27.01	581
4	Post-Second Award	51.39	Practical Nursing, Vocational Nursing and Nursing Assistants	29.8%	4,353	19,830	\$19.13	551
4	Post-Second Award	15.05	Environmental Control Technologies/Technicians	22.1%	1,603	9,090	\$22.16	647
4	Post-Second Award	51.07	Health and Medical Administrative Services	27.3%	5,549	26,220	\$21.38	542
4	H.S. Diploma or Less	1.02	Agricultural Mechanization	13.5%	769	5,980	\$27.06	647
4	H.S. Diploma or Less	1.01	Agricultural Business and Management	20.8%	1,198	5,760	\$25.04	547
4	H.S. Diploma or Less	47.01	Electrical/Electronics Maintenance and Repair Technology	10.6%	1,600	17,360	\$23.20	609
4	H.S. Diploma or Less	52.17	Insurance	18.1%	2,765	17,550	\$29.90	488
4	H.S. Diploma or Less	51.26	Health Aides/Attendants/Orderlies	50.1%	39,289	166,560	\$12.21	483
4	H.S. Diploma or Less	48.05	Precision Metal Working	13.2%	2,971	27,680	\$20.67	557
4	H.S. Diploma or Less	49.01	Air Transportation	22.5%	75	420	\$36.35	603
3	Bachelor's Degree	19.06	Housing and Human Environments*	13.4%	141	1,410	\$21.23	600
3	Bachelor's Degree	52.09	Hospitality Administration/Management*	13.4%	141	1,410	\$21.23	600
3	Bachelor's Degree	41.01	Biology Technician/Biotechnology Laboratory Technician	16.0%	166	1,220	\$17.64	555
3	Bachelor's Degree	14.01	Engineering, General*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.04	Architectural Engineering*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.07	Chemical Engineering*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.11	Engineering Mechanics*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.12	Engineering Physics*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.13	Engineering Science*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.24	Ocean Engineering*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.27	Systems Engineering*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.34	Forest Engineering*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.38	Surveying Engineering*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.4	Paper Science and Engineering*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.42	Mechatronics, Robotics, and Automation Engineering*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.43	Biochemical Engineering*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.44	Engineering Chemistry*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.45	Biological/Biosystems Engineering*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	14.99	Engineering, Other*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	15.16	Nanotechnology*	15.1%	14	80	\$45.41	637
3	Bachelor's Degree	1.12	Soil Sciences	12.7%	22	200	\$35.88	637
3	Bachelor's Degree	39.07	Pastoral Counseling and Specialized Ministries	15.7%	53	460	\$25.79	583

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3	Bachelor's Degree	26.09	Physiology, Pathology and Related Sciences	16.3%	21	110	\$30.77	630
3	Bachelor's Degree	1.11	Plant Sciences	9.8%	19	210	\$35.49	639
3	Bachelor's Degree	50.1	Arts, Entertainment, and Media Management	10.6%	63	640	\$29.44	555
3	Bachelor's Degree	50.04	Design and Applied Arts	4.5%	116	2,340	\$27.16	548
3	Bachelor's Degree	26.02	Biochemistry, Biophysics and Molecular Biology*	18.0%	9	60	\$38.40	622
3	Bachelor's Degree	26.04	Cell/Cellular Biology and Anatomical Sciences*	18.0%	9	60	\$38.40	622
3	Bachelor's Degree	26.05	Microbiological Sciences and Immunology	18.0%	9	60	\$38.40	622
3	Bachelor's Degree	3.06	Wildlife and Wildlands Science and Management*	11.5%	18	160	\$29.97	642
3	Associate's Degree	41.99	Science Technologies/Technicians, Other*	19.6%	210	1,560	\$23.47	617
3	Associate's Degree	4.09	Architectural Sciences and Technology	21.1%	214	1,150	\$28.22	545
3	Associate's Degree	30.19	Nutrition Sciences	28.8%	281	1,050	\$20.04	564
3	Associate's Degree	15.01	Architectural Engineering Technologies/Technicians*	15.7%	41	280	\$28.46	631
3	Associate's Degree	15.09	Mining and Petroleum Technologies/Technicians*	15.7%	41	280	\$28.46	631
3	Associate's Degree	51.31	Dietetics and Clinical Nutrition Services	29.3%	278	1,020	\$19.48	563
3	Post-Second Award	51.1	Clinical/Medical Laboratory Science/Research and Allied Professions	33.8%	1,541	6,610	\$18.92	564
3	Post-Second Award	52.19	Specialized Sales, Merchandising and Marketing Operations	11.3%	1,861	19,730	\$28.20	499
3	Post-Second Award	15.11	Engineering-Related Technologies	17.6%	427	2,700	\$27.72	613
3	Post-Second Award	15.08	Mechanical Engineering Related Technologies/Technicians	9.8%	945	10,160	\$22.67	616
3	Post-Second Award	51.33	Alternative and Complementary Medicine and Medical Systems*	29.5%	105	310	\$22.72	622
3	Post-Second Award	51.37	Energy and Biologically Based Therapies*	29.5%	105	310	\$22.72	622
3	H.S. Diploma or Less	12.05	Culinary Arts and Related Services	16.5%	8,153	85,400	\$14.58	529
3	H.S. Diploma or Less	46.01	Mason/Masonry	22.2%	489	2,540	\$20.73	557
3	H.S. Diploma or Less	3.02	Natural Resources Management and Policy	5.5%	631	12,380	\$21.50	583
3	H.S. Diploma or Less	19.07	Human Development, Family Studies, and Related Services	17.0%	4,999	46,430	\$13.60	525
3	H.S. Diploma or Less	47.04	Precision Systems Maintenance and Repair Technologies	14.1%	401	3,290	\$20.45	610
3	H.S. Diploma or Less	52.04	Business Operations Support and Assistant Services	10.0%	22,550	300,040	\$17.74	483
3	H.S. Diploma or Less	19.05	Foods, Nutrition, and Related Services	24.7%	924	5,980	\$14.54	506
2	Bachelor's Degree	45.01	Social Sciences, General	10.4%	202	2,530	\$26.70	527
2	Bachelor's Degree	9.07	Radio, Television, and Digital Communication	7.8%	56	730	\$30.62	555
2	Bachelor's Degree	26.07	Zoology/Animal Biology*	12.9%	14	110	\$32.82	621
2	Bachelor's Degree	26.13	Ecology, Evolution, Systematics, and Population Biology*	12.9%	14	110	\$32.82	621
2	Bachelor's Degree	9.01	Communication and Media Studies	8.2%	174	2,270	\$27.70	519
2	Bachelor's Degree	5.02	Ethnic, Cultural Minority, Gender, and Group Studies*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	13.1	Special Education and Teaching*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.02	African Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.03	East Asian Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.04	Slavic, Baltic and Albanian Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.05	Germanic Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.06	Modern Greek Language and Literature*	36.4%	60	230	\$22.16	541

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2	Bachelor's Degree	16.07	South Asian Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.08	Iranian/Persian Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.09	Romance Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.1	American Indian/Native American Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.11	Middle/Near Eastern and Semitic Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.12	Classics and Classical Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.13	Celtic Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.14	Southeast Asian and Australasian/Pacific Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.15	Turkic, Uralic-Altaic, Caucasian, and Central Asian Languages, Literatures, and Linguistics*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.16	American Sign Language*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	16.99	Foreign Languages, Literatures, and Linguistics, Other*	36.4%	60	230	\$22.16	541
2	Bachelor's Degree	45.07	Geography and Cartography	23.4%	22	90	\$32.13	526
2	Bachelor's Degree	1.07	International Agriculture	10.9%	6	70	\$31.30	642
2	Bachelor's Degree	40.04	Atmospheric Sciences and Meteorology	6.5%	7	90	\$45.13	554
2	Bachelor's Degree	3.03	Fishing and Fisheries Sciences and Management	13.9%	5	40	\$24.87	680
2	Bachelor's Degree	52.12	Management Information Systems and Services	-2.1%	-13	350	\$46.10	523
2	Bachelor's Degree	23.13	Rhetoric and Composition/Writing Studies*	8.7%	52	620	\$29.12	497
2	Bachelor's Degree	52.05	Business/Corporate Communications*	8.7%	52	620	\$29.12	497
2	Associate's Degree	1.08	Agricultural Public Services	12.2%	232	2,070	\$24.96	548
2	Associate's Degree	15.02	Civil Engineering Technologies/Technicians	16.5%	48	310	\$26.90	581
2	Associate's Degree	10.02	Audiovisual Communications Technologies/Technicians	14.5%	157	1,220	\$23.40	596
2	Associate's Degree	50.01	Visual and Performing Arts, General	4.4%	114	2,310	\$26.84	540
2	Associate's Degree	3.05	Forestry	1.9%	21	1,250	\$18.89	653
2	Post-Second Award	51.15	Mental and Social Health Services and Allied Professions	27.4%	1,008	4,690	\$18.84	561
2	Post-Second Award	15.06	Industrial Production Technologies/Technicians	15.2%	710	5,550	\$24.24	524
2	Post-Second Award	50.05	Drama/Theatre Arts and Stagecraft	13.4%	245	2,060	\$32.73	516
2	Post-Second Award	13.12	Teacher Education and Professional Development, Specific Levels and Methods	16.3%	1,237	9,660	\$17.84	509
2	H.S. Diploma or Less	31.05	Health and Physical Education/Fitness	15.6%	380	4,620	\$19.84	548
2	H.S. Diploma or Less	4.1	Real Estate Development*	6.8%	388	5,560	\$30.97	542
2	H.S. Diploma or Less	52.15	Real Estate*	6.8%	388	5,560	\$30.97	542
2	H.S. Diploma or Less	51.18	Ophthalmic and Optometric Support Services and Allied Professions	24.1%	515	2,250	\$18.65	537
2	H.S. Diploma or Less	48.08	Boilermaking/Boilermaker	9.2%	13	160	\$29.20	611
2	H.S. Diploma or Less	51.36	Movement and Mind-Body Therapies and Education	15.5%	363	4,540	\$19.71	547
2	H.S. Diploma or Less	1.06	Applied Horticulture and Horticultural Business Services	14.0%	151	1,510	\$18.55	558
1	Bachelor's Degree	1.04	Agricultural and Food Products Processing	12.0%	14	170	\$17.14	590
1	Bachelor's Degree	26.01	Biology, General*	11.9%	3	30	\$40.23	613

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1	Bachelor's Degree	26.03	Botany/Plant Biology*	11.9%	3	30	\$40.23	613
1	Bachelor's Degree	26.08	Genetics*	11.9%	3	30	\$40.23	613
1	Bachelor's Degree	26.1	Pharmacology and Toxicology*	11.9%	3	30	\$40.23	613
1	Bachelor's Degree	26.12	Biotechnology*	11.9%	3	30	\$40.23	613
1	Bachelor's Degree	26.15	Neurobiology and Neurosciences*	11.9%	3	30	\$40.23	613
1	Bachelor's Degree	26.99	Biological and Biomedical Sciences, Other*	11.9%	3	30	\$40.23	613
1	Bachelor's Degree	30.18	Natural Sciences	6.1%	3	40	\$42.25	589
1	Bachelor's Degree	30.27	Human Biology	11.9%	3	30	\$40.23	613
1	Bachelor's Degree	40.99	Physical Sciences, Other	6.1%	3	40	\$42.25	589
1	Bachelor's Degree	9.99	Communication, Journalism, and Related Programs, Other*	5.2%	22	420	\$27.04	506
1	Bachelor's Degree	23.14	Literature*	5.2%	22	420	\$27.04	506
1	Bachelor's Degree	13.06	Educational Assessment, Evaluation, and Research*	4.3%	2	50	\$40.30	587
1	Bachelor's Degree	30.11	Gerontology*	4.3%	2	50	\$40.30	587
1	Bachelor's Degree	30.17	Behavioral Sciences*	4.3%	2	50	\$40.30	587
1	Bachelor's Degree	44.05	Public Policy Analysis*	4.3%	2	50	\$40.30	587
1	Bachelor's Degree	45.05	Demography and Population Studies*	4.3%	2	50	\$40.30	587
1	Bachelor's Degree	45.99	Social Sciences, Other*	4.3%	2	50	\$40.30	587
1	Bachelor's Degree	30.28	Dispute Resolution	-6.3%	-29	390	\$34.32	534
1	Bachelor's Degree	39.02	Bible/Biblical Studies*	5.6%	5	110	\$26.37	544
1	Bachelor's Degree	39.03	Missions/Missionary Studies and Missiology*	5.6%	5	110	\$26.37	544
1	Bachelor's Degree	39.04	Religious Education*	5.6%	5	110	\$26.37	544
1	Bachelor's Degree	30.14	Museology/Museum Studies*	11.6%	7	70	\$18.73	576
1	Bachelor's Degree	54.01	History*	11.6%	7	70	\$18.73	576
1	Bachelor's Degree	9.1	Publishing	4.2%	8	200	\$27.49	533
1	Bachelor's Degree	39.05	Religious/Sacred Music	4.1%	5	110	\$27.79	537
1	Bachelor's Degree	50.09	Music	4.1%	5	110	\$27.79	537
1	Bachelor's Degree	13.02	Bilingual, Multilingual, and Multicultural Education*	-2.2%	-5	250	\$22.81	484
1	Bachelor's Degree	13.14	Teaching English or French as a Second or Foreign Language*	-2.2%	-5	250	\$22.81	484
1	Bachelor's Degree	13.15	Teaching Assistants/Aides*	-2.2%	-5	250	\$22.81	484
1	Associate's Degree	50.07	Fine and Studio Arts	1.4%	27	1,620	\$26.02	556
1	Associate's Degree	1.1	Food Science and Technology	8.9%	63	810	\$21.09	588
1	Associate's Degree	12.03	Funeral Service and Mortuary Science	-0.4%	-1	290	\$22.03	636
1	Associate's Degree	50.06	Film/Video and Photographic Arts	0.9%	11	1,000	\$25.58	564
1	Associate's Degree	10.01	Communications Technology/Technician	7.1%	20	290	\$22.72	571
1	Associate's Degree	9.04	Journalism	-3.0%	-45	1,240	\$25.40	531
1	Post-Second Award	43.02	Fire Protection	4.3%	105	1,710	\$21.71	722
1	Post-Second Award	51.35	Somatic Bodywork and Related Therapeutic Services	24.7%	867	4,860	\$20.36	482
1	Post-Second Award	13.13	Teacher Education and Professional Development, Specific Subject Areas	10.4%	393	5,650	\$21.40	546
1	Post-Second Award	12.04	Cosmetology and Related Personal Grooming Services	7.8%	1,211	19,850	\$14.53	500

Rating ¹	Educ. Level ²	CIP Code ³	Classification of Instructional Program (CIP) Title	Projected Percent Growth (2017-2027) ⁴	Projected Numeric Change (2017-2027) ⁵	Projected Numeric Job Openings (2017-2027) ⁶	Average Hourly Wage (2018) ⁷	ONET Score ⁸
1	Post-Second Award	25.03	Library and Archives Assisting	8.3%	91	1,570	\$15.95	476
1	H.S. Diploma or Less	1.05	Agricultural and Domestic Animal Services	7.6%	160	2,580	\$18.47	567
1	H.S. Diploma or Less	44.02	Community Organization and Advocacy	14.3%	166	1,240	\$20.31	477
1	H.S. Diploma or Less	15.07	Quality Control and Safety Technologies/Technicians	0.7%	66	10,830	\$20.22	494
1	H.S. Diploma or Less	48.03	Leatherworking and Upholstery	10.9%	71	770	\$16.97	549
1	H.S. Diploma or Less	48.07	Woodworking	12.7%	309	3,060	\$14.77	520
1	H.S. Diploma or Less	50.02	Crafts/Craft Design, Folk Art and Artisanry	4.7%	4	70	\$20.67	547
1	H.S. Diploma or Less	10.03	Graphic Communications	-4.7%	-205	4,400	\$16.60	508
1	H.S. Diploma or Less	11.06	Data Entry/Microcomputer Applications	-15.6%	-202	1,180	\$15.64	470

1 CIP categories were ranked across education requirements and given a rating from 5 (best) to 1 (worst) based on employment, wage and skill rankings. CIP categories were distributed equally across the 5 rating categories.

2 Education level identifies the combined minimum education levels for occupations within each CIP category; The H.S. Diploma or Less category includes occupations requiring some college, no degree; high school diploma or equivalent; and less than a high school diploma.

3 Certification of instructional program (CIP) codes provide a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity. CIP codes were developed by the U.S. Department of Education's National Center for Education Statistics (NCES).

4 Source: Arizona Office of Economic Opportunity Long-Term Occupation Employment Projections

5 Source: Arizona Office of Economic Opportunity Long-Term Occupation Employment Projections

6 Source: Arizona Office of Economic Opportunity Long-Term Occupation Employment Projections

7 Source: Arizona Office of Economic Opportunity Occupation Employment Statistics Program

8 ONET Score is a composite index of the required knowledge, skill and ability values for occupations within each CIP category (high-values are scored favorably)

** Indicates that the CIP category ranking is identical to at least one other CIP category*

Sources

Long Term Occupation Employment Projections	The Arizona Office of Economic Opportunity 2017-2027 projected employment estimates data series
Avg. Hourly Wage (2018)	U.S. Dept. of Labor Bureau of Labor Statistics 2018 Occupational Employment Survey data series estimates
ONET Score	ONET Center (O*NET® 23.2): http://www.onetcenter.org/database.html
SOC to CIP Classification Crosswalk	U.S. Dept. of Labor Bureau of Labor Statistics http://www.bls.gov/soc/soccrosswalks.htm

Calculation Method

- Hourly wages were calculated by dividing annual wages by 2080
- All scores were first calculated by occupation using SOC (Standard Occupational Code) classification
- Eligible occupations were restricted to those with minimum educational requirements of a Bachelor's degree or lower (see below for a list of all minimum education categories)
- Scores by CIP (Classification of Instructional Programs) were calculated using weighted-averages for the openings value of each occupation within the CIP. Occupations that were present in multiple CIP categories had their total opening estimate divided evenly across the CIP categories.
- ONET Scores were calculated by summing associated knowledge, skill and ability estimate levels and values for each 6-digit SOC occupation
- Occupations with ONET scores less than or equal to the 8.2% percentile were excluded
- Percentile scores ranging from 0% to 100% were calculated for the following data items: average hourly wage, projected percentage change, projected numeric change, projected numeric job openings, and ONET score. In the case that two occupations had the same data value in a category, the same percentile was assigned to all CIP's involved in the tie.
- An overall rank was calculated by averaging the percentile values for average hourly wage, projected numeric change, projected percentage change, projected numeric job openings, and ONET score of the occupations within each CIP category
- Only CIP categories with the same education levels were compared to calculate the overall rank estimate. This allows for CIP categories with similar requirements to be compared with one another.
- The following formula determined the overall score for each CIP:
(Average Hourly Wage Percentile + ONET Score Percentile + Projected Numeric Change Percentile + Projected Percentage Change Percentile + Projected Numeric Job Openings Percentile) /5

Education Codes

- 2 Doctoral degree (Not used for this project)
- 3 Master's degree (Not used for this project)
- 4 Bachelor's Degree
- 5 Associate Degree
- 6 Postsecondary non-degree award
- 7 Some college no degree; High school diploma or equivalent; No formal educational credential

Questions and Comments

Direct questions or comments to Doug Walls, Doug.Walls@oeo.az.gov, 602-771-1258, at the Office of Economic Opportunity

Explanation: CTE Summary		
Column	Column Title	Explanation
A	Rating	Classification of Instructional Programs Rating Based on each Educational Code. CIP are rated from 1 to 5. Higher rating means better ranked CIP.
B	Educational Level	The average educational level for the occupations within each CIP category. Educational levels are described in section 3 of the Notes1 section. Larger numbers indicate lower levels of education.
C	CIP Code	Classification of Instructional Programs. A classification structure used to categorize programs of study. For more information see: http://www.xwalkcenter.org/index.php
D	CIP Title	Program of study title. http://www.xwalkcenter.org/index.php
E	Overall Score	The score is an average of columns F through J. The score is equal to $[Open\ Percentile + Wage\ Percentile + Onet\ Percentile + Projected\ Numeric\ Growth\ Percentile + Project\ Pct\ Growth\ Percentile] / 5$
F	Projected Percent Growth (2017-2027)	Weighted Average 10 year projected percent growth for the occupation within each CIP category. Each occupation is weighted based on number of times the Occupation appears in different CIP
G	Projected Numeric Change (2017-2027)	Weighted Average 10 year projected numeric growth for the occupation within each CIP category. Each occupation is weighted based on number of times the Occupation appears in different CIP
H	Projected Numeric Job Openings (2017-2027)	The number of openings expected per year for the occupations within this CIP. If an occupation is assigned to more than one CIP, its openings are distributed evenly among those CIPs.
I	Average Hourly Wage (2018)	The average educational level for the occupations within each CIP category. Educational levels are described in Section 3 on the methodology page. Larger numbers indicate lower levels of education.
J	ONET Score	A measure of the knowledge, skill and ability requirements associated with the occupations within each CIP category. ONET Scores are weighted based on the number of openings in each occupation.