

Occupational Data for Students

Data Provided by Economic Modeling Specialists International



Occupational Area	CCAC Programs	Category	Regional Openings (2015)	Median Hourly Earnings	Regional Jobs (2015)	Regional Jobs (2020)	Growth (2015–2020)
Arts & Humanities							
Game & Interactive Media Design	108 Multimedia Programming, Simulation & Gaming AS	Humanities	373	\$35.76	12088	12812	6%
Ethnic, Cultural Minority, Gender & Group Studies, Other	114 Ethnic & Diversity Studies CERT A	Transfer	369	\$35.82	12005	12723	6%
Liberal Arts & Sciences/Liberal Studies	006 Liberal Arts AS ABNS	Transfer	369	\$35.82	12005	12723	6%
Web Page, Digital/Multimedia & Information Resources Design	104 Multimedia Web Programming CERT HPO N	Humanities	80	\$29.47	2775	2874	4%
Graphic Design	376 Digital Graphic Design CERT A 374 Graphic Communication AS A	Humanities	37	\$22.41	1383	1386	0%
Industrial & Product Design	280 Industrial Design & Art AS A	Humanities	35	\$22.47	1287	1290	0%
Drama & Dramatics/Theatre Arts, General	025 Theatre AS S	Transfer	22	\$22.58	572	602	5%
Music, General	018 Music AS AB	Transfer	18	\$47.59	668	635	(5%)
Cinematography & Film/Video Production	127 Film Worker CERT S	Humanities	14	\$25.92	467	486	4%
Art/Art Studies, General	026 Art AS ABNS	Transfer	4	\$15.27	333	309	(7%)
Technical Theatre/Theatre Design & Technology	125 Technical Theatre DIPL S	Humanities	2	\$22.41	49	52	6%
General Studies	085 General Education CERT ABNS 089 General Studies AS ABNS	Transfer Transfer	0	\$0.00	0	0	0%

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Business							
Business Administration & Management, General	004 Business (University Parallel) AS ABNS	Transfer	567	\$48.95	20865	21568	3%
	216 Business Management CERT HPO ABNS	Business					
	385 Business Management AS ABNS 097 Management IUP ABNS	Business Transfer					
Administrative Assistant & Secretarial Science, General	785 Administrative Assistant AAS HPO ABNS	Business	325	\$17.35	21785	21997	1%
Accounting Technology/Technician & Bookkeeping	217 Accounting CERT HPO ABNS	Business	325	\$17.79	15435	15909	3%
	105 Accounting AS HPO ABNS	Transfer					
	340 Accounting Specialist AS HPO ABNS	Business					
Culinary Arts/Chef Training	670 Culinary Arts AAS A	Business	202	\$12.90	6240	6554	5%
E-Commerce/Electronic Commerce	221 E-Commerce CERT HPO BNS	Business	102	\$20.09	4717	4741	1%
Hotel/Motel Administration/Management	406 Lodging & Recreation Management CERT B	Business	85	\$19.46	2091	2142	2%
Legal Assistant/Paralegal	604 Paralegal AS HPO AB	Business	79	\$25.11	2426	2597	7%
	605 Paralegal CERT HPO ABS						
Hospitality Administration/Management, Other	405 Foodservice, Lodging & Recreation Management AS B	Business	40	\$50.42	966	1026	6%
Airline/Commercial/Professional Pilot & Flight Crew	382 Aviation Technology AS S	Business	36	\$42.43	555	487	(12%)
	718 Private Pilot CERT S						

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Restaurant/Food Services Management	407 Foodservice Management CERT B	Business	18	\$32.62	694	711	2%
Engineering Technologies & Engineering-related Fields, Other	491 Land Administration CERT NS	Business	9	\$24.27	240	255	6%
Aviation/Airway Management & Operations	378 Aviation Management AS S	Business	9	\$48.81	300	307	2%
Tourism Promotion Operations	423 Tourism Management AS N	Business	4	\$17.25	381	122	(68%)
Court Reporting/Court Reporter	327 Court Reporter AS HPO A 329 Court Reporting CERT HPO A	Business	3	\$14.19	176	168	(5%)
Education, Social & Behavioral Sciences & Human Services							
Area Studies, Other	103 Global Studies CERT A	Transfer	369	\$35.82	12005	12723	6%
Women’s Studies	106 Women’s Studies CERT ABNS	Transfer	369	\$35.82	12005	12723	6%
Child Development	655 Child Care DIPL ABNS	Social	235	\$11.81	7520	7637	2%
Homeland Security, Law Enforcement, Firefighting & Related Protective Services, Other	615 Homeland Security AS ABNS 616 Homeland Security CERT ABNS 614 Transportation Security Administration DIPL ABNS	Social	117	\$13.98	2400	2443	2%
Teacher Assistant/Aide	679 Education Paraprofessional AA ABNS 680 Education Paraprofessional CERT ABNS	Social	117	\$11.42	4553	4588	1%
Labor Studies	210 Labor & Management Studies CERT A	Social	88	\$23.15	3,806	3,892	2%
Child Care & Support Services Management	654 Early Childhood Director Core DIPL ABNS	Social	77	\$12.48	2324	2355	1%

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Child Care Provider/Assistant	623 Child Development DIPL ABNS 624 Children With Special Needs DIPL HPO AS 622 Early Education & Child Development CERT ABNS 621 Early Education & Child Development AS HPO ABNS	Social	76	\$9.83	2596	2623	1%
Health & Physical Education/Fitness, General	020 Health & Physical Education AS ABNS	Transfer	66	\$14.39	2677	2749	3%
Social Work	630 Social Work Foundation AS ANS 658 Social Work: Fundamentals of Social Work Foundation CERT ANS	Social	57	\$19.72	2061	2101	2%
Substance Abuse/Addiction Counseling	414 Drug & Alcohol DIPL HPO AS	Social	55	\$19.42	2423	2430	0%
Corrections & Criminal Justice, Other	600 Criminal Justice & Criminology AS ABNS	Social	25	\$23.62	851	861	1%
Teacher Education & Professional Development, Specific Levels & Methods, Other	091 Teacher Education Middle Level-Math AA 092 Teacher Education Middle Level-Science AA 099 Teacher Education: Middle Level & Secondary AA ABNS	Transfer	24	\$15.10	741	781	5%
Psychology, General	053 Psychology AA ABNS	Transfer	21	\$32.88	429	459	7%
Sign Language Interpretation & Translation	915 American Sign Language Interpreting AS N 912 American Sign Language CERT N	Social	9	\$32.20	185	214	16%
Social Sciences, General	059 Social Sciences AA ABNS	Transfer	7	\$26.52	158	164	4%
Fire Prevention & Safety Technology/Technician	330 Fire Science Administration AS B 130 Fire Science Administration CERT B	Social	6	\$35.02	158	156	(1%)

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Health							
Registered Nursing/Registered Nurse	750 BSN California U of Pa 575 Nursing AS HPO ABNS	Transfer Health	683	\$30.49	20286	21460	6%
Medical Insurance Coding Specialist/Coder	595 Medical Insurance Specialist CERT HPO A	Health	214	\$15.31	5121	5501	7%
Medical/Clinical Assistant	438 Central Service Technician CERT B 535 Medical Assistant AS HPO S 419 Medical Assistant CERT HPO S	Health	176	\$14.47	4343	4671	8%
Physical Therapy Technician/Assistant	628 Physical Therapist Assistant AS HPO B	Health	64	\$18.74	1079	1226	14%
Clinical/Medical Laboratory Technician	571 Medical Laboratory Assistant CERT HPO S 525 Medical Laboratory Technician AS HPO S	Health	63	\$17.43	1331	1447	9%
Emergency Medical Technology/Technician (EMT Paramedic)	533 Paramedic AS B 534 Paramedic CERT B	Health	60	\$17.03	1,524	1,597	5%
Medical Radiologic Technology/Science - Radiation Therapist	565 Radiation Therapy Technology AS HPO A 566 Radiation Therapy Technology CERT HPO A	Health	57	\$24.12	1895	2011	6%
Radiologic Technology/Science - Radiographer	445 Computer Assisted Tomography (CAT Scanning) CERT B 446 Magnetic Resonance Imaging (MRI Scanning) CERT B 558 Radiologic Technologist AS HPO B	Computer Health Health	54	\$23.88	1841	1952	6%
Health Information/Medical Records Technology/Technician	550 Health Information Technology AS HPO A	Health	49	\$18.20	1135	1208	6%
Phlebotomy Technician/Phlebotomist	513 Phlebotomist CERT ABS	Health	36	\$17.02	1010	1077	7%

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Occupational Therapist Assistant	587 Occupational Therapy Assistant AS HPO B	Health	33	\$23.29	561	631	12%
Respiratory Care Therapy/Therapist	540 Respiratory Therapy AS HPO A	Health	30	\$25.11	996	1063	7%
Surgical Technology/Technologist	530 Surgical Technologist AS HPO B 583 Surgical Technology CERT HPO B	Health	22	\$18.66	642	707	10%
Pharmacy Technician/Assistant	518 Pharmacy Technician AS HPO S 418 Pharmacy Technician CERT HPO S	Health	21	\$14.56	1879	1872	(0%)
Diagnostic Medical Sonography/ Sonographer & Ultrasound Technician	554 Diagnostic Medical Sonographer (Ultrasound) AS B	Health	18	\$27.69	365	418	15%
Dietetics & Clinical Nutrition Services, Other	591 Dietary Manager CERT A 590 Dietetic Technician AS A	Health	11	\$24.39	408	432	6%
Massage Therapy/Therapeutic Massage	695 Massage Therapist CERT B 443 Massage Therapy AS B 403 Massage Therapy CERT B	Health	7	\$14.20	216	238	10%
Nuclear Medical Technology/Technologist	555 Nuclear Medicine Technology AS A 560 Nuclear Medicine Technology CERT A	Health	4	\$28.34	154	163	6%

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Science, Technology, Engineering & Mathematics (STEM)							
Mechatronics, Robotics & Automation Engineering	722 Mechatronics Technology AS HPO 723 Mechatronics Technology CERT HPO	STEM	417	\$38.04	13,128	13,929	6%
Computer Programming/Programmer, General	780 Software Development AS HPO ABNS 243 Software Development CERT HPO ABNS	STEM	377	\$32.42	14772	15343	4%
Computer & Information Sciences, General	050 Computer Information Systems AS ABNS	Computer	314	\$38.01	11732	12251	4%
Computer & Information Systems Security/ Information Assurance	233 CIT: Computer Forensic Technology CERT HPO ABNS 784 Cybersecurity AS 786 Cybersecurity CERT	Computer STEM STEM	245	\$29.18	10506	10846	3%
Machine Shop Technology/Assistant	706 Machine Technician CERT HPO NS	STEM	92	\$19.46	3346	3390	1%
Construction Engineering Technology/ Technician	709 Nanofabrication Technology CERT HPO NS	STEM	77	\$34.93	2523	2645	5%
Manufacturing Engineering Technology/ Technician	705 Manufacturing Technology AS HPO S	STEM	51	\$40.06	1638	1677	2%
Chemistry, General	035 Chemistry AS ABNS	Transfer	30	\$47.76	1026	1048	2%
Mathematics, General	003 Mathematics & Science University Parallel AS ABNS	Transfer	30	\$55.40	713	757	6%
Biology/Biological Sciences, General	031 Biology AS ABNS	Transfer	21	\$61.99	561	588	5%
Biotechnology	416 Biotechnology AS HPO AB 417 Biotechnology CERT HPO AB	STEM	19	\$64.31	523	547	5%

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Physics, General	047 Physics AS ABS	Transfer	17	\$69.25	474	499	5%
Business/Office Automation/Technology/Data Entry	234 Cit: Administrative Computer Specialist CERT HPO ABNS	Computer	17	\$13.91	1456	1264	(13%)
Electrical, Electronic & Communications Engineering Technology/Technician	299 Basic Electronics CERT HPO S 300 Electronic Engineering Technology AS HPO S	STEM	16	\$25.78	633	648	2%
Computer Technology/Computer Systems Technology	783 Information Technology Support AS HPO ABNS 242 Information Technology Support CERT HPO ABNS	STEM	16	\$25.78	633	648	2%
Civil Engineering Technology/Technician	400 Civil Engineering Technology AS HPO S	STEM	14	\$24.96	484	494	2%
Architectural Drafting & Architectural CAD/CADD	270 Architectural Drafting & Design AS HPO S	STEM	11	\$24.42	861	846	(2%)
CAD/CADD Drafting &/or Design Technology/Technician	717 Basic Computer-aided Drafting CERT HPO S 422 Computer-aided Drafting & Design AS HPO S	Computer	11	\$24.42	861	846	(2%)
Civil Drafting & Civil Engineering CAD/CADD	277 Civil Engineering Technology CERT HPO NS	STEM	11	\$24.42	861	846	(2%)
Engineering Technologies & Engineering-related Fields, Other	093 Engineering Science AS NS 094 Engineering Technology AS S 490 Green & Sustainable Bldg Design CERT NS 454 Nanotechnology AS HPO NS	Transfer Transfer STEM STEM	9	\$24.27	240	255	6%
Mechanical Drafting & Mechanical Drafting CAD/CADD	276 Mechanical Drafting & Design Technology AS HPO S	STEM	8	\$23.94	592	589	(1%)

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Trades							
Building/Property Maintenance	384 Facilities Maintenance Technology AS HPO N 383 Facilities Maintenance Technology CERT HPO N	Trades	242	\$21.33	11719	11951	2%
Construction Trades, Other	515 Bldg Construction Estimating AS HPO N 514 Bldg Construction Supervision AS HPO N 441 Bldg Construction Technology AS HPO N	Trades	202	\$21.67	8113	8576	6%
Plumbing Technology/Plumber	389 Plumber Apprenticeship CERT HPO N 365 Plumbing CERT HPO N	Trades	136	\$28.98	5157	5520	7%
Electrician	608 Electrical Construction Apprentice AS HPO A	Trades	109	\$26.29	5003	5060	1%
Automobile/Automotive Mechanics Technology/Technician	507 ASEP/ASSET/CAP Manufacturer Auto Tech AS HPO N 349 Automotive Technology AS HPO N 350 Automotive Technology Program CERT HPO N	Trades	106	\$17.19	3497	3639	4%
Construction/Heavy Equipment/Earthmoving Equipment Operation	740 Heavy Equipment Operating Engineers CERT HPO N	Trades	98	\$21.60	3900	3996	2%
Carpentry/Carpenter	339 Carpentry Apprenticeship CERT HPO N	Trades	97	\$24.26	6917	7168	4%
Heating, Air Conditioning, Ventilation & Refrigeration Maintenance Technology/Technician	313 Heating & Air Conditioning AS HPO N 312 Heating & Air Conditioning CERT HPO N	Trades	75	\$22.16	1666	1792	8%

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Electrical & Power Transmission Installation/ Installer, General	708 Electrical Distribution Technology AS HPO N 702 Electrical Distribution Technology CERT HPO N	Trades	62	\$31.43	2708	2858	6%
Welding Technology/Welder	316 Welding Technology AS HPO N 317 Welding Technology CERT HPO N 319 Welding, Gas & Oil CERT HPO N	Trades	36	\$20.52	1423	1453	2%
Sheet Metal Technology/Sheetworking	379 Sheet Metal Worker Apprenticeship AS N 391 Sheet Metal Worker Apprenticeship CERT N	Trades	24	\$22.12	1505	1480	(2%)
Mechanical Engineering/Mechanical Technology/Technician	731 Stationary Operating Engineer AS HPO N 730 Stationary Operating Engineer CERT HPO N	Trades	8	\$23.76	217	229	6%
Ironworking/Ironworker	289 Ironworker Apprenticeship CERT N	Trades	1	\$17.21	39	40	4%

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Community College of Allegheny County (CCAC)

CCAC annually educates more than 30,000 credit students through 152 degree, certificate, diploma and transfer programs and offers thousands of students access to noncredit and workforce development courses. The learning-centered institution's mission is to provide affordable access to quality education and offer a dynamic, diverse and supportive learning environment that prepares the region's residents for academic, professional and personal success in our changing global society. CCAC's quality programs enable students to transfer credits to 462 colleges and universities and support regional workforce needs with accessible instruction available day, evening, weekend and online in Allegheny County and beyond. Visit ccac.edu to learn more.

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