

## Occupational Projections Report by Program for a 5-year Period (2015-2020)

August 2015

Office of Institutional Research and Effectiveness

## **Executive Summary**

## **Data Description**

This report displays occupational projections (job outlook for completers) for every career - oriented degree and certificate currently offered by the College (with the possible exceptions of new certificates and degrees — contact the IRE office if you note a missing degree/certificate). The entries are sorted by "degree type" with AS degrees first, followed by ATC, ATD, BAS, BS, CCC, CPP, EPI and PSAV. Thus, if a program offers multiple degrees/ certificates, the information for each degree/certificate will be presented on separate lines.

The data were generated by Economic Modelling Software, Inc (EMSI) using Standard Occupational Classification (SOC) codes provided by program personnel. SOC codes indicate the occupations for which the program/certificate is designed to train future employees. The specific SOC codes used for each degree/certificate are available from the IRE office on request. The region used for this data was the MSA or Metropolitan Statistical Area data, which includes, Miami, Fort Lauderdale and West Palm Beach counties

For each entry, the table displays the number of job openings over a 5-year period, the average annual openings, then number of current jobs and the number of jobs projected five years later. The sixth column (Average Annual Regional Openings) is probably the most useful for purposes of program review, it is the average number of jobs (both new and replacement) for the five years, thus showing, an average of how many jobs will be available to new completers in the program. Please note that if projection is negative, it is shown in red. The Average Annual Job Growth rate can also be informative, but is highly affected by the overall size of the labor force associated with that program.

For example, an increase of 100 jobs will yield a large growth rate in a field with around 1,000 total jobs, but a small growth rate in a field with 20,000 total jobs. Finally, Median Hourly Earnings are an estimate derived from national, state and local databases.

## Use of Data for Program Review

In the Program Review Summary Form completed for each program as part of the Program Review Process, report the Average Annual Regional Openings for all of the degrees and certificates embedded in the program. Note that it is not accurate to sum the Average Annual Regional Openings across degrees and certificates. For example, if a certificate has been assigned the same SOC codes as the degree, the data in each row will be identical, resulting in double-counting of the actual openings.

If you have any questions about the data and how they are used in the Program Review Process, please contact the Executive Director of the IRE office.

Program	Regional Openings 2015-16	Regional Openings 2016-17	Regional Openings 2017-18	Regional Openings 2018-19	2019-20	Average Annual Openings 2015-2020	Regional Jobs 2015	Regional Jobs 2020	Average Annual Job Growth 2015-2020	Median Hourly Earnings
1. ACCOUNTING TECHNOLOGY (AS)	1,959	1,953	1,972	1,990		1,982	68,766	71,278		\$16.70
1. AERONAUTICAL SCIENCE - OPERATIONS CONCENTRATION (AS)	11	11	11	11		11	228	235		\$26.60
1. AERONAUTICAL SCIENCE - PROF PILOT AIRPLANE (AS)	163	158	154	151	146	154	4,889	4,762	(1%)	\$58.81
1. AERONAUTICAL SCIENCE - PROF PILOT HELICOPTER (AS)	163	158	154	151	146	154	4,889	4,762		\$58.81
1. BIOTECHNOLOGY (AS)	38	35	34	33		34	870	921	1%	\$42.33
1. BUSINESS ADMIN AND MANAGEMENT BANKING (AS)	4,938	4,831	4,828	4,848		4,859	136,852	141,870		\$18.93
1. BUSINESS ADMIN AND MANAGEMENT MANAGEMENT, SUPERVISION (AS)	6,017	5,921	5,910	5,956		5,951	179,649	187,915		\$26.78
1. BUSINESS ADMIN AND MANAGEMENT MARKETING (AS)	1,331	1,362	1,377	1,385		1,366	41,312	44,149		\$48.50
1. BUSINESS ENTREPRENEURSHIP (AS)	532	491	506	500		501	15,683	16,491	1%	\$24.17
1. COMPUTER PROGRAMMING (AS)	853	853	849	845		842	24,660	26,796		\$41.16
1. CRIME SCENE TECHNOLOGY (AS)	23	23	23	23		23	488	511	1%	\$24.51
1. CRIMINAL JUSTICE TECHNOLOGY - CORRECTIONS OFFICER (AS)	347	347	346	347		346	10,348	10,645		\$31.13
1. CRIMINAL JUSTICE TECHNOLOGY - GENERAL (NON-SWORN)(AS)	55	55	55	56		55	1,412	1,474		\$52.78
1. CRIMINAL JUSTICE TECHNOLOGY - LAW ENFORCEMENT OFFICER (AS)	734	733	733	734		732	19,076	19,809		\$34.51
1. DENTAL HYGIENE (AS)	167	160	156	153		156	3,391	3,707	2%	\$31.15
1. EARLY CHILDHOOD EDUCATION (AS)	401	383	371	363	334	370	7,416	8,139	2%	\$11.58
1. EDUCATIONAL ASSISTING (AS)	399	394	380	371	336	376	8,503	9,357	2%	\$10.24
1. ELECTRICAL POWER TECHNOLOGY (AS)	400	405	415	424		418	13,622	13,805	0%	\$26.57
1. EMERGENCY MEDICAL SERVICES (AS)	120	114	110	107		110	2,550	2,711	1%	\$13.88
1. ENVIRONMENTAL SCIENCE (AS)	88	85	84	84	79	84	1,510	1,670		\$24.94
1. FIRE SCIENCE TECHNOLOGY (AS)	339	340	342	344	342	342	8,972	9,335	1%	\$36.78
1. GRAPHIC DESIGN TECHNOLOGY (AS)	273	267	257	253		260	8,199	8,308	0%	\$20.53
1. HEALTH INFORMATION TECHNOLOGY (AS)	153	146	142	138	127	141	3,244	3,501	2%	\$16.76
1. HOSPITALITY/TOURISM MANAGEMENT (AS)	1,358	1,260	1,189	1,141	1,001	1,190	28,030	29,533	1%	\$15.10
1. HUMAN SERVICES - ADDICTION STUDIES (AS)	454	430	414	402	363	413	9,232	10,082	2%	\$16.38
1. HUMAN SERVICES - GENERAL CONCENTRATION (AS)	420	402	391	383	355	390	9,853	10,515	1%	\$16.61
1. HUMAN SERVICES - YOUTH DEVELOPMENT (AS)	505	473	452	439	394	452	12,509	13,402	1%	\$16.37
1. INDUSTRIAL MGMT TECHNOLOGY (AS)	9	9	9	9	10	9	436	411	(1%)	\$21.32
1. INTERIOR DESIGN TECHNOLOGY (AS)	106	99	95	92		95	2,662	2,675		\$21.79
1. INTERNET SERVICES TECHNOLOGY (AS)	559	554	564	566	554	559	18,489	19,533	1%	\$25.50
1. LANDSCAPE & HORTICULTURE MGMT (AS)	37	36	35	35	34	35	1,860	1,528	(4%)	\$22.35
1. MOTION PICTURE PRODUCTION TECH (AS)	139	132	129	129	133	132	3,811	3,886	0%	\$27.70
1. NETWORKING ADMINISTRATOR (AS)	747	746	760	764	758	755	26,692	28,259	1%	\$31.08
1. NURSING (AS)	1,827	1,731	1,664	1,618	1,475	1,663	54,316	57,172	1%	\$30.53
1. OFFICE ADMINISTRATION (AS)	922	924	926	929	917	924	27,416	28,663	1%	\$24.28
1. OPHTHALMIC TECHNICIAN (AS)	34	33	32	32	31	32	766	766	(0%)	\$12.97
1. PARALEGAL (AS)	681	647	625	609	559	624	13,766	15,672	3%	\$23.77
1. RADIOGRAPHY (AS)	141	131	124	118	104	124	4,590	4,871	1%	\$22.75
1. RESPIRATORY CARE (AS)	5	5	5	5	4	5	379	385	0%	\$21.11
1. SONOGRAPHY (AS)	83	78	73	70	64	74	1,616	1,858	3%	\$29.44
1. SUGAR TECHNOLOGY (AS)	3	3	3	3	3	3	52	59	3%	\$27.11
1. SUSTAINABLE CONSTRUCTION MGMT (AS)	144	147	146	168	229	167	9,167	8,990	(0%)	\$30.91
2. COMPUTED TOMOGRAPHY (ATC)	141	131	124	118	104	124	4,590	4,871	1%	\$22.75
2. MAGNETIC RESONANCE IMAGING (ATC)	141	131	124	118	104	124	4,590	4,871	1%	\$22.75

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3. EMERGENCY MEDICAL TECHNICIAN (EMT-B) (ATD)	127	120	115	112		116	2,652	2,832	1%	\$13.88
3. MEDICAL TRANSCRIPTION (ATD)	112	100	101	97	84	99	2,779	3,066		\$16.56
4. INFORMATION MANAGEMENT - DATABASE ADMINISTRATION (BAS)	161	161	160	159		159	5,100	5,475		\$52.96
4. INFORMATION MANAGEMENT - SECURITY & NETWORK ASSURANCE (BAS)	689	688	704	711	711	701	25,243	26,601	1%	\$27.82
4. SUPERVISION & MANAGEMENT - GENERAL MANAGEMENT (BAS)	2,334	2,323	2,315	2,339		2,338	80,048	82,103		\$27.60
4. SUPERVISION & MANAGEMENT - HEALTH MANAGEMENT (BAS)	213	201	191	185		191	4,137	4,555		\$45.83
5. NURSING (BS)	1,827	1,731	1,664	1,618		1,663	54,316	57,172	1%	\$30.53
6. ACCOUNTING TECHNOLOGY (CCC)	1,959	1,953	1,972	1,990		1,982	68,766	71,278	1%	\$16.70
6. ADDICTION STUDIES (CCC)	374	354	340	330		339	7,601	8,309		\$16.06
6. ALTERNATIVE ENERGY - ENGINEERING TECHNOLOGY (CCC)	436	435	439	445		441	21,804	22,325	0%	\$28.73
6. BANKING SPECIALIST - FINANCIAL SERVICES (CCC)	4,144	4,081	4,115	4,158	4,254	4,151	114,589	118,697	1%	\$19.10
6. BIOTECHNOLOGY (CCC)	38	35	34	33		34	870	921	1%	\$42.33
6. BUSINESS ADMIN AND MANAGEMENT (CCC)	6,562	6,453	6,440	6,483	6,457	6,479	198,046	206,807	1%	\$28.71
6. BUSINESS OPERATIONS (CCC)	1,685	1,683	1,706	1,712	1,677	1,693	53,395	56,272	1%	\$41.57
6. BUSINESS SPECIALIST (CCC)	1,495	1,503	1,545	1,557	1,538	1,528	47,871	50,599	1%	\$46.61
6. CHILD CARE CENTER MANAGEMENT (CCC)	24	22	21	21	18	21	287	337	3%	\$21.83
6. CISCO CCNA (CCC)	312	311	312	311	304	310	9,320	10,085	2%	\$33.36
6. COMMERCIAL PILOT - AIRPLANE (CCC)	163	158	154	151	146	154	4,889	4,762	(1%)	\$58.81
6. COMMERCIAL PILOT - HELICOPTER (CCC)	163	158	154	151	146	154	4,889	4,762	(1%)	\$58.81
6. COMPUTER PROGRAM SPECIALIST (CCC)	516	519	517	516	496	513	15,628	16,843	2%	\$38.14
6. CRIME SCENE TECHNOLOGY (CCC)	23	23	23	23	22	23	488	511	1%	\$24.51
6. DRAFTING FOR SUSTAINABLE CONSTRUCTION (CCC)	25	25	24	24	24	24	1,994	1,710	(3%)	\$24.13
6. EDUCATIONAL ASSISTING (CCC)	399	394	380	371	336	376	8,503	9,357	2%	\$10.24
6. EMERGENCY MANAGEMENT (CCC)	593	563	588	589	571	581	15,744	16,681	1%	\$29.39
6. ENTREPRENEURSHIP (CCC)	532	491	506	500	473	501	15,683	16,491	1%	\$24.17
6. FOOD SERVICE MANAGEMENT (CCC)	133	118	105	98	82	107	4,320	4,449	1%	\$19.20
6. GRAPHIC DESIGN TECHNOLOGY - MULTIMEDIA ARTS (CCC)	226	220	214	211	209	216	6,538	6,648	0%	\$19.94
6. GRAPHIC DESIGN TECHNOLOGY - WEB DESIGN (CCC)	389	383	371	368	365	375	11,201	11,409	0%	\$18.61
6. HEALTH INFORMATICS SPECIALIST (CCC)	153	146	142	138	127	141	3,244	3,501	2%	\$16.76
6. HIGH/SCOPE PRESCHOOL APPROACH CURRICULUM (CCC)	401	383	371	363	334	370	7,416	8,139	2%	\$11.58
6. HOSPITALITY (CCC)	342	325	313	308	283	314	5,342	5,593	1%	\$13.02
6. HUMAN SERVICES (CCC)	423	407	397	391	368	397	10,293	10,911	1%	\$17.28
6. INFANT/TODDLER (CCC)	401	383	371	363	334	370	7,416	8,139	2%	\$11.58
6. INFORMATION MANAGEMENT (CCC)	682	680	690	690	674	683	22,826	24,370	1%	\$30.95
6. INFO TECHNOLOGY ADMIN (CCC)	206	201	214	219	227	214	8,111	8,494	1%	\$28.80
6. INFO TECHNOLOGY TECHNICIAN (CCC)	432	435	438	439	431	435	15,307	16,198	1%	\$25.99
6. LANDSCAPE AND HORTICULTURE - PROFESSIONAL 1 (CCC)	37	36	35	35	34	35	1,860	1,528	(4%)	\$22.35
6. LANDSCAPE AND HORTICULTURE - PROFESSIONAL 2 (CCC)	68	65	64	63		63	1,322	1,461	2%	\$11.56
6. LANDSCAPE AND HORTICULTURE - SPECIALIST (CCC)	120	113	101	98		104	5,010	4,840	(1%)	\$18.30
6. LEGAL OFFICE MANAGEMENT (CCC)	226	205	191	181	152	191	7,237	7,735		\$18.81
6. MARKETING (CCC)	582	583	587	588		584	15,732	17,148		\$40.27
6. MEDICAL INFO CODER/BILLER (CCC)	153	146	142	138		141	3,244	3,501	2%	\$16.76
6. MOTION PICTURE/TV PRODUCTION POST PRODUDUCTION TECHNOLOGY (CCC	139	132	129	129		132	3,811	3,886		\$27.70
6. OFFICE ADMINISTRATION - OFFICE SOFTWARE APPLICATIONS (CCC)	922	924	926			924	27,416	28,663		\$24.28

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6. OFFICE ADMINISTRATION - OFFICE SPECIALIST (CCC)	3,564	3,553	3,570	3,594	3,581	3,573	131,831	132,459	0%	\$14.41
6. OFFICE ADMINISTRATION - OFFICE SUPPORT (CCC)	56	55	54	52		54	4,767	4,217	(2%)	\$13.39
6. OFFICE MANAGEMENT (CCC)	922	924	926	929	917	924	27,416	28,663	1%	\$24.28
6. PARAMEDIC (CCC)	120	114	110	107	98	110	2,550	2,711	1%	\$13.88
6. PRE-SCHOOL (CCC)	401	383	371	363	334	370	7,416	8,139		\$11.58
6. PROGRAMMING (CCC)	688	686	684	681	655	679	19,537	21,208	2%	\$37.66
6. SONOGRAPHY (CCC)	83	78	73	70	64	74	1,616	1,858	3%	\$29.44
6. SUSTAINABLE BUILDING - SPECIALIST	146	155	174	213	312	200	12,740	12,752	0%	\$24.89
6. WEB DEVELOPMENT SPECIALIST (CCC)	206	201	214	219		214	8,111	8,494		\$28.80
6. YOUTH DEVELOPMENT (CCC)	505	473	452	439	394	452	12,509	13,402	1%	\$16.37
7. CPP PROJECT MANAGEMENT (CPP)	1,163	1,134	1,163	1,166	1,140	1,153	40,782	43,098	1%	\$32.10
8. EDUCATOR PREPARATION INSTITUTE (EPI)	3,127	2,996	2,904	2,838	2,611	2,895	70,461	76,603	2%	\$24.39
9. 30-HR FAMILY CHILD CARE CERTIFICATION (PSAV)	819	814	813	811	811	813	20,726	21,173	0%	\$8.30
9. AUTOMOTIVE SERVICE TECH 1 (PSAV)	755	729	729	723	704	728	20,053	20,870	1%	\$14.96
9. AUTOMOTIVE SERVICE TECH 2 (PSAV)	755	729	729	723	704	728	20,053	20,870	1%	\$14.96
9. CARING FOR CHILDREN - BIRTH TO 3 YEARS (PSAV)	1,220	1,197	1,184	1,173	1,145	1,184	28,142	29,312	1%	\$9.14
9. CORRECTIONAL PROBATION - FL CMS LAW ENFORCEMENT OFFICER (PSAV)	288	274	265	258	238	265	7,255	7,751	1%	\$21.01
9. COSMETOLOGY (PSAV)	423	408	404	396	380	402	16,612	16,491	(0%)	\$9.84
9. CRIMINAL JUSTICE ACADEMY - AUXILARY LAW ENFORCEMENT TRACK (PSAV)	276	276	275	275	274	275	8,566	8,786	1%	\$27.31
9. CRIMINAL JUSTICE ACADEMY - CORRECTIONS OFFICER TRACK (PSAV)	276	276	275	275	274	275	8,566	8,786	1%	\$27.31
9. CRIMINAL JUSTICE ACADEMY - LAW ENFORCEMENT OFFICER (PSAV)	734	733	733	734	725	732	19,076	19,809	1%	\$34.51
9. CROSSOVER CMS LAW ENFORCEMENT TO CORRECTIONS OFFICERPSAV)	276	276	275	275	274	275	8,566	8,786	1%	\$27.31
9. CROSSOVER CORRECTIONS OFFICER CMS LAW ENFORCEMENT OFFICER (PS	734	733	733	734	725	732	19,076	19,809	1%	\$34.51
9. DENTAL ASSISTING (PSAV)	219	208	202	196	179	201	5,737	6,122	1%	\$16.03
9. DIESEL TECHNOLOGY 1 (PSAV)	265	262	264	269	275	267	8,067	8,368	1%	\$19.11
9. DIESEL TECHNOLOGY 2 (PSAV)	265	262	264	269	275	267	8,067	8,368	1%	\$19.11
9. EARLY CHILDHOOD (ECPC) - PROFESSIONAL CERTIFICATION (PSAV)	1,220	1,197	1,184	1,173	1,145	1,184	28,142	29,312	1%	\$9.14
9. FACIALS SPECIALTY (PSAV)	55	50	48	46	42	48	1,703	1,868	2%	\$13.33
9. FIRE APPARATUS OPERATOR (PSAV)	100	102	103	103	104	102	2,988	3,076	1%	\$25.64
9. FIREFIGHTER (PSAV)	330	331	333	334	333	332	8,725	9,079	1%	\$36.96
9. FIRE INSPECTOR (PSAV)	9	9	9	9	9	9	247	256	1%	\$30.56
9. FIRE INSTRUCTOR (PSAV)	330	331	333	334	333	332	8,725	9,079	1%	\$36.96
9. FIRE INVESTIGATOR (PSAV)	9	9	9	9	9	9	247	256	1%	\$30.56
9. FIRE OFFICER (PSAV)	282	283	284	285	284	284	7,876	8,191	1%	\$34.99
9. GREEN BUILDING TRADES (PSAV)	146	155	174	213		200	12,740	12,752	0%	\$24.89
9. HEATING/VENT/AC/REFRIGERATION (PSAV)	309		332	343	368	333	7,871	8,488		\$17.76
9. HEAVY EQUIPMENT MECHANICS (PSAV)	51	52	54	56	61	55	1,512	1,562	1%	\$20.21
9. INSURANCE CLAIMS ADJUSTER (PSAV)	692	677	669	665		670	23,380	23,719		\$22.86
9. INSURANCE CUSTOMER SERVICE REP (PSAV)	515	502	496	493		498	17,934	18,145		\$24.79
9. INTRODUCTORY 40-HR CHILD CARE BIRTH TO 5 YEARS (PSAV)	819	814	813	811		813	20,726	21,173		\$8.30
9. LIFE/HEALTH/VARIABLE ANNUITIES AGENT (PSAV)	818	806	799	798		805	29,528			\$29.68
9. MACHINING TECHNOLOGY (PSAV)	92	96	99	104		102	4,405	4,315		\$15.56
9. MASSAGE THERAPY (PSAV)	160	145	133	125		134	4,523	4,936		\$14.78
9. MEDICAL ASSISTING (PSAV)	1,043	1,010	995			994	29,064	30,145		\$12.93

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9. NAILS TECHNICIAN (PSAV)	33	30	30	28	24	29	1,822	1,860	0%	\$8.19
9. PATIENT CARE ASSISTANT (PSAV)	1,661	1,562	1,506	1,458	1,315	1,501	40,762	44,177	2%	\$10.57
9. PRACTICAL NURSING (PSAV)	518	495	481	472	435	480	11,143	12,106	2%	\$20.88
9. PROPERTY/CASUALTY AGENT - GENERAL LINES (PSAV)	476	464	459	456	445	460	16,528	16,780	0%	\$24.60
9. PUBLIC SAFETY - TELECOMMUNICATIONS (PSAV)	68	67	67	67	66	67	1,760	1,834	1%	\$23.48
9. REAL ESTATE BROKER (PSAV)	40	39	37	37	36	38	2,741	2,695	(0%)	\$24.57
9. REAL ESTATE SALES ASSOCIATE (PSAV)	199	193	188	187	194	192	16,284	15,850	(1%)	\$15.60
9. RES AND COMM ELECTRICIAN (PSAV)	249	242	260	275	355	276	11,855	11,607	(0%)	\$18.57
9. SCHOOL AGE PROFESSIONAL (PSAV)	819	814	813	811	811	813	20,726	21,173	0%	\$8.30
9. SCHOOL AGE PROFESSIONAL - CERTIFICATE (PSAV)	819	814	813	811	811	813	20,726	21,173	0%	\$8.30
9. SURGICAL TECHNOLOGY (PSAV)	103	96	90	86	75	90	2,923	3,177	2%	\$19.22
9. WELDING TECHNOLOGY (PSAV)	105	104	104	107	121	108	3,898	3,825	(0%)	\$17.20
6. CISCO (CCENT) (CCC)	41	41	42	41	41	41	966	1,091	3%	\$32.25
6. CISCO (CCNA) - SECURITY (CCC)	312	311	312	311	304	310	9,320	10,085	2%	\$33.36
6. DIGITAL ANIMATION (CCC)	33	35	33	32	30	32	978	1,020	1%	\$17.40
1. ENGINEERING TECHNOLOGY (AS)	436	435	439	445	450	441	21,804	22,325	0%	\$28.73
9. FACILITIES MAINTENANCE (PSAV)	750	730	718	709	671	716	23,929	25,135	1%	\$15.34
6. FOOD SERVICE MANAGEMENT (CCC)	2,307	2,077	1,914	1,795	1,497	1,918	53,937	57,276	1%	\$11.93
6. HOMELAND SECURITY SPECIALIST (CCC)	79	75	72	70	64	72	1,804	1,948	2%	\$18.62
6. INFORMATION SECURITY (CCC)	312	311	312	311	304	310	9,320	10,085	2%	\$33.36
6. JAVA PROGRAMMING (CCC)	688	686	684	681	655	679	19,537	21,208	2%	\$37.66
6. MOBILE APPLICATION DEVELOPMENT (CCC)	688	686	684	681	655	679	19,537	21,208	2%	\$37.66
6. RECORDING ARTS (CCC)	98	92	94	92	86	92	2,232	2,389	1%	\$20.88
9. SECURITY AND AUTOMATION SYSTEMS TECHNICIAN (PSAV)	94	87	83	79	71	83	2,282	2,292	0%	\$18.10