Florida Advanced Technological Education Center of Excellence

**2016-2021 Florida Engineering Technology (ET) and Related Program
Student Enrollment and Completion 5-Year Trend Study**

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The Florida Advanced Technological Education (FLATE), annually requests and compiles student enrollment and completion data for the Engineering Technology (ET) and related A.S. and B.S. degrees and college credit certificate (CCC) programs for Florida colleges, and for related technology programs at the secondary and postsecondary career certificate programs (CC). These data, provided by the Florida Department of Education, are reliable but do not include enrollment for undeclared majors or enrollment in duplicate programs (such as certificates under degree programs). College Registrar reporting/cut dates also result in some reported enrollment discrepancies. Minor anomalies may occur as older program titles are collapsed and added program titles are added. This review contains five sections and an appendix with individual ET adopting college performance, and presents a 5-year trend study which includes the 2016-2021 FLDOE report year.

Data source: FDOE PERA Data Team, Bureau of PK-20 Education Reporting and Accessibility,Division of Accountability, Research, and Measurement.

Notes:

na: not avalible; nr: not reported; (*) asterisk: Data for groups less than 10
"The total for student enrolment and completion in Florida is reported as the sum of males, females, and unkown data."
*PSAV programs are now Career Certificate (CC) Programs.*

Section I: Florida Engineering Technology (ET) and Related AS Degree Program Student Enrollment					
I a. ET AS Degree Program Student Enrollment Excluding CCC	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**
ET AS Student Enrollment	**2,062**	**1,939**	**2,027**	**2,012**	**1,976**
Number of Colleges Adopting the ET Program*	**19**	**21**	**23**	**22**	**23**

*Out of Florida's 28 Community and State Colleges

1a. Engineering Technology (ET) AS Program Enrollment
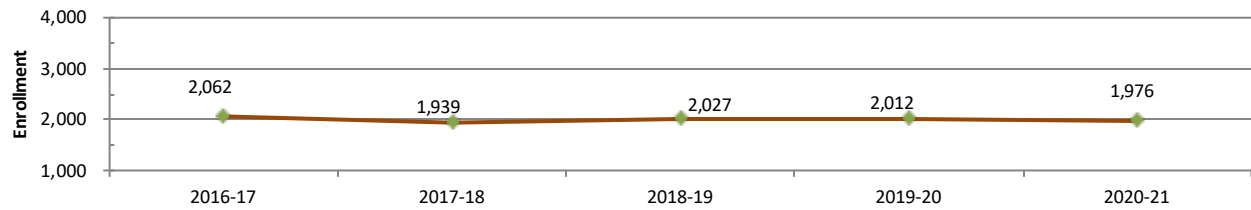
I b. Related Technology AS Degree Program Student Enrollment **Excluding** ET Degree and CCC Programs	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**
	3,015	**3,198**	**2,647**	**3,997**	**3,378**

Ib. Related Technology AS Program Enrollment
(excludes ET & CCC programs)
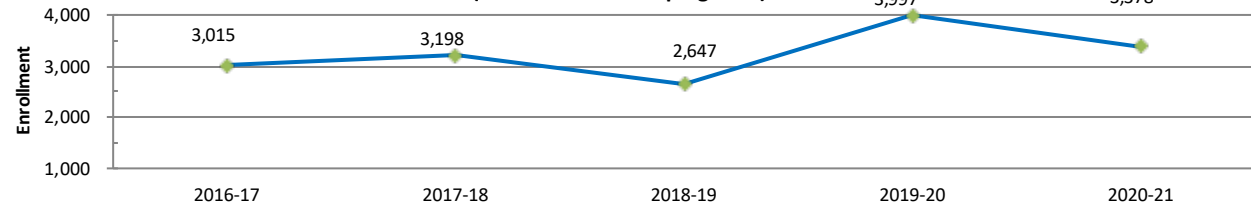
In year 2016-17 ET AS Degree program represented 41% of total FL related technology AS degree program enrollment (N=5,054).
In year 2017-18 ET AS Degree program represented 38% of total FL related technology AS degree program enrollment (N=5,137).
In yesr 2018-19 ET AS Degree program represented 40% of total FL related technology AS degree program enrollmentt (N=5,013).
In year 2019-20 ET AS Degree program represented 33% of total FL related mfg technology AS degree program enrollment (N=6,009). Related programs 10
In year 2020-21 ET AS Degree program represented 37% of total Florida related technology AS degree program enrollment (N=5,354). Related programs 11

I c. Selected Demographic Profile for ET & Related Technology AS Degree Program Enrolled Students					
	2016-17	**2017-18**	**2018-19**	**2019-20**	**2020-21**
ET Technology Program % Female Enrollment	11%	12% (238)	12% (246)	12% (251)	15% (297)
Related Technology Program % Female Enrollment	27%	30% (959)	35% (933)	29% (1,177)	29% (990)
ET Technology Program % Minority Enrollment	47%	49% (944)	48% (983)	46% (929)	48% (944)
Related Technology Program % Minority Enrollment	48%	50% (1,588)	52% (1,385)	61% (2,437)	57%(3,060)
ET Program % Disability Enrollment			8.1% (165)	5% (99)	4% (83)
Related Technology Program % Disability Enrollment			7.8% (207)	4% (158)	3% (116)
ET Program Military/Veteran Status Enrollment			1.5% (30)	10% (196)	7% (145)
Related Technology Program Military/Veterans Status Enrollment			2.0 % (53)	8% (334)	7% (230)
ET Program MSSC Enrollment			0.35% (7)	1% (<10)	0.4% (8)
Related Technology Program MSSC Enrollment			0.04% (1)	nr	0.6% (20)

I d. Engineering Technology and Related Technology <u>Enrollment</u> by Program (<u>does not include certificates</u>) ( ) Indicates number of colleges offering the program for the 2020-21 Academic Year.	2016-17	2017-18	2018-19	2019-20	2020-21
<u>(23)</u> Engineering Technology (ET) Degree Enrollment	2,062	1,939	2,027	2,012	1,976
(1) Aerospace Technology	126	149	149	168	165
(4) Aviation Management				671	580
(5) Biomedical Equipment				145	204
(4) Chemical Technology	804	1,077	1,298	1,244	1,073
(3) Electrical Power Technology	173	165	133	123	115
(6) Electronics Engineering Technology	870	813	757	782	765
(15) Industrial Management Technology	238	241	252	224	278
(2) Manufacturing Technology	nr	nr	14	14	14
(1) Simulation Technology	13	13	nr	nr	7
(2) Transportation and Logistics (added)				86	88
(3) Unmanned Vehicle Systems Operations (added)				44	89
Total Degree Enrollment / ET and Related	4,286	4,397	4,630	5,513	5,354

I e. ET and Related Bachelor Degree (BS/BAS) Student Enrollment					
College & Program Name with Enrollment	2016-17	2017-18	2018-19	2019-20	2020-21
Daytona State College* - **Engineering Technology**	**180**	**195**	**198**	**nr**	**275**
Broward Collegee - Technology Mangement (new)					155
Florida State College at Jacksonville - Technology Management (new)					304
Gulf Coast State College - Technology Mangement (new)					56
Miami Dade College - Electronics Engineering Technology	118	115	115	nr	80
Palm Beach State College - Technology Mangement (new)					456
State College of Florida*- Technology Management (new)					36
St. Petersburg College -Technology Management (new)					510
Valencia College - Electronics Engineering Technology	143	177	188	nr	187
Total BS/BAS Degree Enrollment ET and Related	**441**	**487**	**501**		**2,059**

* Hybrid online program **Selected courses available online

Section II: Florida Engineering Technology (ET) and Related Degree Program Student Completion

II a. Engineering Technology (ET) AS Degree Program Completion	2016-17	2017-18	2018-19	2019-20	2020-21
	125	163	171	180	193

ii a. Engineering Technology (ET) AS Program Completions
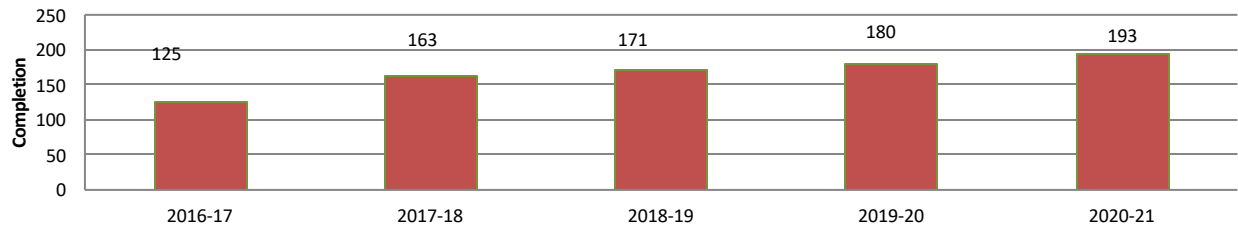
II b. Related Technology AS Degree Completion	2016-17	2017-18	2018-19	2019-20	2020-21
Excludes ET Degree and College CCC Programs	na	300	311	395	320

ii b. Related Technology AS Degree Program Completions
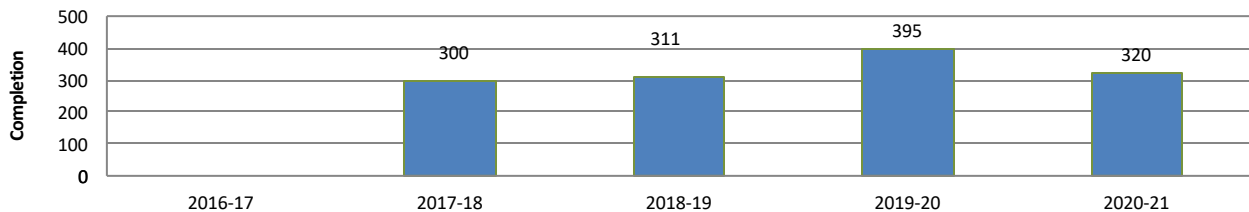
In 2016-17 the ET AS Degree program completions were not available
In 2017-18 the ET AS Degree program represented 38 % of total Florida technology AS degree program completions, N=463
In 2018-19 the ET AS Degree program represented 35% of total Florida technology AS degree program completions, N=482
In 2019-20 the ET AS Degree program represented 31% of total Florida technology AS degree program completions, N=575
In 2020-21 the ET AS Degree program represented 38% of total Florida technology AS degree program completions, N=513

II c. Selected Demographic Profile for ET and Related Technology AS Degree Program Completion	2016-17	2017-18	2018-19	2019-20	2020-21
ET Program % Female Completion	na	14% (23)	12% (21)	11% (20)	12% (24)
Related Technology Program % Female Completion	na	21% (62)	25% (79)	29% (114)	25% (80)
ET Technology Program % Minority Completion	na	38% (62)	37% (64)	38% (69)	45% (86)
Related Technology Program % Minority Completion	na	37% (110)	46% (144)	58% (228)	56% (180)
ET Program % Disability Completion			5% (8)	8% (14)	6% (11)
Related Technology Program % Disability Completion			14% (43)	4% (15)	4% (14)
ET Program Military/Veteran Status Completion			nr	12% (22)	8% (15)
Related Technology Program Military/Veteran Status Completion			4.8% (15)	8% (31)	7% (21)
ET Program MSSC Completion *			2% (4)	100% (3)	1% (2)
Related Technology Program MSSC Completion			nr	nr	3% (11)

Data is not accurate. nr: no reported data

II d. Engineering Technology and Related Technology College Degree Completion by Program					
Does not include college credit certificates-CCC					
AS Degree Completion	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**
(23) Engineering Technology	**nr**	**163**	**171**	**180**	**193**
(1) Aerospace Technology	nr	30	21	18	25
(4) Aviation Maintenance Management (added)				4	48
(5) Biomendical Equipment Technician (added)				3	24
(4) Chemical Technology	nr	51	103	4	79
(3) Electrical Power Technology	nr	49	34	3	17
(6) Electronics Engineering Technology	nr	70	90	7	72
(15) Industrial Management Technology	nr	17	50	16	38
(2) Manufacturing Technology	nr	nr	nr	1	1
(1) Simulation Technology			3	1	1
(2) Transoprtation and Logistics (new)					6
(3) Unmanned Vehicle Systems Operations				nr	9
Total College Completion	**nr**	**nr**	**472**	**575**	**513**
II e. ET Bachelor Degree (BSET)	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**
Total BSET Completion	**57**	**24**	**36**	**nr**	**36**

**ii e. ET Bachelor Degree (BSET) Student Completion
5 Year Trend**
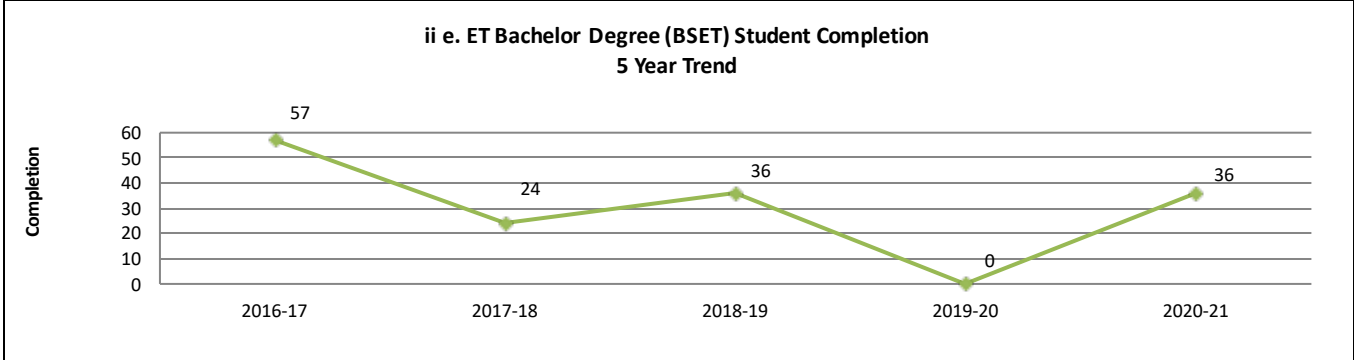
II e. ET and Related Bachelor Degree (BS/BAS) Student Completion College & Program Name with Completion	2016-17	2017-18	2018-19	2019-20	2020-21
Daytona State College* - **Engineering Technology**					**42**
Broward Collegee - Technology Mangement (new)					38
Florida State College at Jacksonville - Technology Management (new)					68
Gulf Coast State College - Technology Mangement (new)					11
Miami Dade College - Electronics Engineering Technology					16
Palm Beach State College - Technology Mangement (new)					66
State College of Florida*- Technology Management (new)					14
St. Petersburg College -Technology Management (new)					144
Valencia College - Electronics Engineering Technology					31
Total BS/BAS Degree Completion ET and Related					**430**

Section III: Florida ET and Related College Credit Certificate (CCC) Student Enrollment by Program					
III a. ET Program College Credit Certificate Enrollment (CCC)	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**
(3) Alternative Energy Systems Specialist - CCC	nr	nr	nr	22	32
(8) Automation - CCC	32	59	68	53	65
(1) CNC Composite Fabricator/Programmer - CCC	nr	nr	nr	0	
(2) CNC Machinist Operator/Programmer - CCC	nr	20	nr	10	11
(7) CNC Machinist/Fabricator - CCC	45	59	51	56	48
(2) Composite Fabrication and Testing - CCC (new)		nr	nr		nr
(4) Electronics Aide - CCC	13	16	nr	0	17
(20) Engineering Technology Support Specialist - CCC	133	146	207	264	388
(5) Lean Manufacturing - CCC	nr	nr	nr	0	10
(3) Lean Six Sigma Green Belt Certificate - CCC	24	10	10	0	12
(2) Mechanical Designer and Programmer -CCC	nr	nr	nr	0	5
(5) Mechatronics - CCC	51	29	84	85	107
(9) Pneumatics, Hydraulics & Motors for Manufacturing - CCC	47	54	71	70	76
(7) Rapid Prototyping Specialist - CCC	27	25	25	24	26
(1) Six Sigma Black Belt Certificate - CCC	nr	nr	nr	0	2
Total ET Program CCC Enrollment	**372**	**418**	**516**	**584**	**799**
III b. Related Technology College Credit Certificate Enrollment by Program (CCCR)					
	2016-17	**2017-18**	**2018-19**	**2019-20**	**2020-21**
(1) Aerospace Technician - CCCR (New added)			nr	0	10
(3) Basic Electronics Technician - CCCR	63	45	38	65	36
(3) Chemical Laboratory Specialist - CCCR	54	164	252	106	210
(4) Electronics Technician - CCCR	96	66	62	61	72
(2) Industry Operations Specialist - CCCR (New added)			339	3175	1980
(3) Laser and Photonics Technician - CCCR	25	36	24	49	32
(11) Logistics and Transportation Specialist - CCCR	553	506	526	158	225
(7) Scientific Workplace Preparation - CCCR	1558	1386	943	432	299
(1) Solar Energy Technician - CCCR	12	nr	10	19	9
Related Technology CCCR Enrollment	**2,361**	**2,203**	**2,194**	**4,065**	**2,873**
Combined ET CCC & Related CCCR Technology Enrollment	**2733**	**2,621**	**2,710**	**4,649**	**3,672**

III. Engineering Technology and Related College Credit Certificate Enrollment (CCC)
5 Year Trend
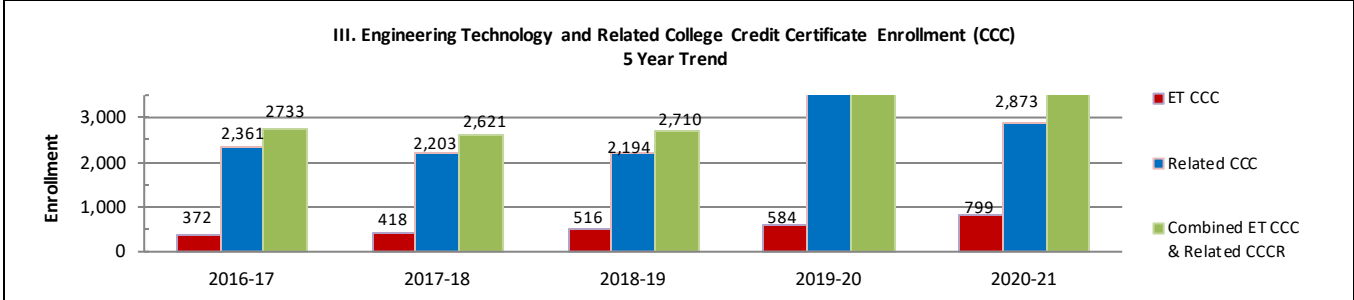
III c. ET CCC & Related College Credit Certificate (CCCR) Enrollment Demographic Profile	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**
% ET CCC & Related CCCR Female Enrollment	55%	52%(1,518)	50%(1,393)	44%(2,068)	43%(1,572)

Out of the total student enrollment for ET CCC and CCCR in 2020-21, 43% (1,572) corresponds to the female enrollment. This percentage is primarily attributed to 990 females enrolled in Industry Operations Specialist (CCCR) followed by 228 females enrolled in Sciencitic Worplace
Out of the ET CCC programs the ET Support Specialist continuous to show the largest number of female enrollment with 62 (60%) females enrolled in ET CCC.

Section IV: Florida ET CCC and Related College Credit Certificate (CCCR) Student Completion by Program

IV a. ET Certificate Student Completion by Program	2016-17	2017-18	2018-19	2019-20	2020-21
(3) Alternative Energy Systems Specialist - CCC	nr	nr	2	17	45
(8) Automation - CCC	10	7	23	9	11
(1) CNC Composite Fabricator/Programmer - CCC			3	0	10
(2) CNC Machinist Operator/Programmer - CCC	18	23	24	4	21
(7) CNC Machinist/Fabricator - CCC	nr	5	nr	18	44
(2) Composite Fabrication and Testing - CCC	4	nr	8	3	7
(4) Electronics Aide - CCC	12	14	6	17	19
(20) Engineering Technology Support Specialist - CCC	96	69	93	138	311
(5) Lean Manufacturing - CCC	nr	nr	nr	1	11
(3) Lean Six Sigma Green Belt Certificate - CCC	24	7	8	0	6
(2) Mechanical Designer and Programmer -CCC	nr	nr	3	0	14
(10) Mechatronics - CCC	18	5	11	15	47
(8) Pneumatics, Hydraulics & Motors for Manufacturing - CCC	19	10	44	42	69
(4) Rapid Prototyping Specialist - CCC	23	21	16	15	18
(1) Six Sigma Black Belt Certificate - CCC	nr	nr	nr	0	2
Total ET Certificate Completion by Program	**224**	**161**	**241**	**279**	**635**
IV b. Related Technology Program Certificate Completion	2016-17	2017-18	2018-19	2019-20	2020-21
(1) Aerospace Technician - CCCR (New added)			nr	nr	33
(3) Basic Electronics Technician - CCCR	51	42	30	50	28
(3) Chemical Laboratory Specialist - CCCR	13	12	118	54	95
(4) Electronics Technician - CCCR	5	8	25	32	39
(2) Industry Operations Specialist - CCCR (New added)			342	3,174	1978
IV b. Related Technology Program Certificate Completion Cont.	2016-17	2017-18	2018-19	2019-20	2020-21
(3) Laser and Photonics Technician - CCCR	55	26	23	32	25
(11) Logistics and Transportation Specialist - CCCR	24	34	85	59	106
(7) Scientific Workplace Preparation - CCCR	20	27	1,013	593	545
(1) Solar Energy Technician - CCCR	727	415	5	8	4
Related Technology Program Certificate (CCCR) Completion	**844**	**564**	**1641**	**4002**	**2853**
Total Certificate Completion ET & Related CCCR	**529**	**953**	**781**	**4,281**	**3,488**

IV. FL Engineering Technology and Related College Credit Certificate (CCC & CCCR) Completions
5 Year Trend
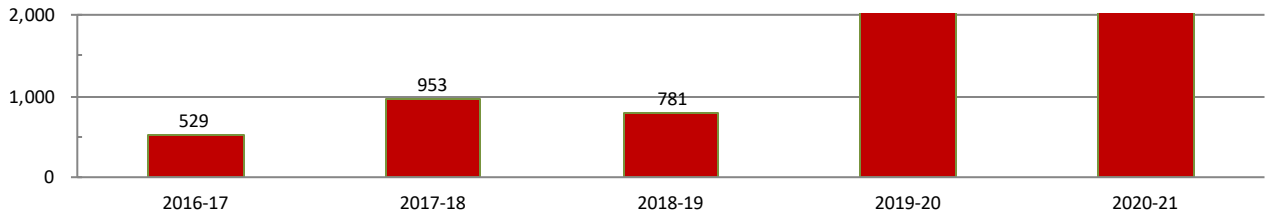
IV c. ET & Related College Credit Certificate Completion Demographic Profile	2016-17	2017-18	2018-19	2019-20	2020-21
% ET & Related CCC Female Completion	53%	49% (457)	63% (1,198)	49% (2,088)	48% (1,663)
% ET & Related CCC Minority Completion	99%	48% (450)	48% (917)	62% (2,658)	59% (2,069)

Section V: Secondary Student Enrollment and Graduation in Florida Technology Programs					

V a. Total Secondary Student Enrollment and Graduation - 5 Year Trend					
For 2020-21, four secondary programs were added	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**
Number of Secondary Technology Programs Offered	832	797	953	na	280*
Total Secondary Student Enrollment	33,134	34,674	37,736	na	7,424
Total Secondary Student Graduates	5,058	5,029	5,677	na	1,095
% Secondary Student graduates vs enrollment	16%(18,998)	14%(29,290)	15%(32,059)		15%(6,329)

*Number of secondary technology progframs offeres siginficantly less that previous years

Va. Secondary Student Enrollment and Graduation in Florida Technology Programs
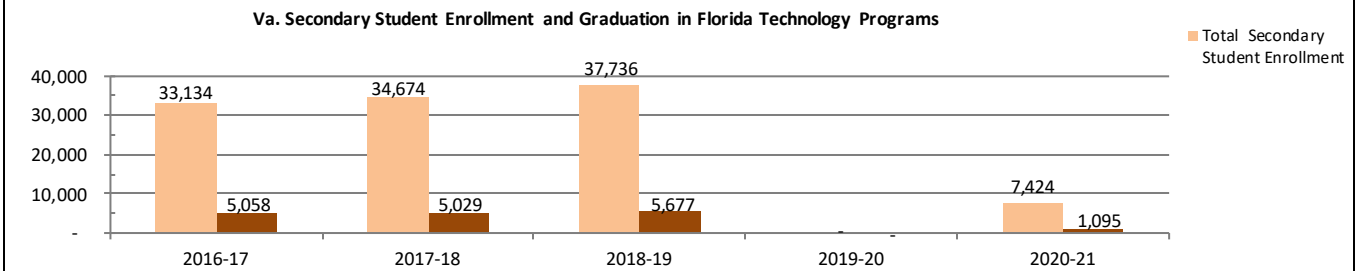
V b. Secondary Student Enrollment by Technology Program					
Program Title	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**
Advanced Manufacturing Technology 303:330			1,412	na	1,424
Aviation Assembly and Fabrication (new)				na	312
Aviation Maintenance General (new)				na	543
Applied Engineering Technology	6079	6786	6,408	na	nr
Applied Robotics	3533	4101	5,055	na	nr
Applied Welding Technologies	368	340	258	na	nr
Automation - CCC & Production Technology	1,178	524	nr	na	nr
Electronic Systems Technology			nr	na	nr
Electronics Technology	80	247	116	na	nr
Energy Directed Study		nr	nr	na	nr
Energy Generation Technician		63	113	na	nr
Energy Technician	340	340	247	na	450
Engineering Assisting	147	160	159	na	nr
Engineering Pathways	15,640	16,982	17,098	na	nr
Engineering Technology (Secondary)	669	333	390	na	nr
Global Logistics and Supply Chain Technology (new)				na	776
Industrial Biotechnology	1,356	1,523	1,587	na	1,223
Machining Technology	114	101	346	na	380
Materials and Processes Technology	1,576	1,605	1,671	na	nr
Power and Energy Technology	327	286	269	na	nr
Power Equipment Technology			130	na	nr
Production Technology	818	607	531	na	nr
Solar Energy Technology	38	49	63	na	22
Technology Systems	297	132	nr	na	nr
Technical Design	574	432	nr	na	nr
Transportation Technology		63	66	na	nr
Unmanned Aircraft Systems (UAS) Operations (new)				na	340
Welding Technology Fundamentals			1,817	na	1,954
Total Secondary Student Course Enrollment	**22,580**	**34,179**	**37,736**		**7,424**

V c. Secondary Level Technology Student Graduates by Technology Program

Program Title	2016-17	2017-18	2018-19	2019-20	2020-21
Advanced Manufacturing Technology			113	na	164
Aviation Assembly and Fabrication (new)				na	23
Aviation Maintenance General (new)				na	76
Applied Engineering Technology	606	768	716	na	nr
Applied Robotics	460	486	607	na	nr
Applied Welding Technologies	96	106	94	na	nr
Electronic Systems Technology			nr	na	nr
Electronics Technology	13	39	42	na	nr
Energy Directed Study		nr	nr	na	nr
Energy Generation Technician		nr	6	na	nr
Energy Technician	67	42	41	na	58
Engineering Assisting	35	37	38	na	nr
Engineering Pathways	2,333	2,434	2,541	na	nr
Engineering Technology (Secondary)	182	81	62	na	nr
Global Logistics and Supply Chain Technology (new)				na	77
Industrial Biotechnology	239	271	293	na	183
Machining Technology	22	16	73	na	74
Materials and Processes Technology	326	298	361	na	nr
Power and Energy Technology	43	30	36	na	nr
Power Equipment Technology			57	na	nr
Production Technology	313	274	259	na	nr
Solar Energy Technology	2	1	2	na	8
Technology Systems		nr	nr	na	nr
Technical Design				na	nr
Transportation Technology	7	6	2	na	nr
Unmanned Aircraft Systems (UAS) Operations (new)				na	61
Welding Technology Fundamentals			334	na	371
Total Secondary Student Technology Program Graduates	**3,582**	**4,889**	**5,677**		**1,095**

V d. Selected Demographic Profile for Secondary Technology Programs including Internships

	2016-17	2017-18	2018-19	2019-20	2020-21
% Female Students of Total Secondary Enrollment	20%	21%(7,162)	21%(7,895)	na	23%(1,699)
% Minority Students of Total Secondary Enrollment	52%	53%(18,517)	54%(20,492)	na	23%(5,725)
% Female Students of Total Secondary Graduates	48%	19%(954)	20%(1,138)	na	20%(222)
% Minority Students of Total Secondary Graduates	80%	54%(2,691)	55%(3,123)	na	44%(478)
Secondary Technology Program Internships	**2016-17**	**2017-18**	**2018-19**	**2017-18**	**2018-19**
Total Number of Internships*	34	nr	nr	na	nr
Number of Females Placed in Internships	8	nr	nr	na	nr
Number of Males Placed in Internships	26	nr	nr	na	nr
% Females for Total Placed in Internships	24%	nr	nr	na	nr
% Minorities Placed in Internships	62%	nr	nr	na	nr

VI a. Post-Secondary Career Certificate (CC) Enrollments, Occupational Completion Point (OCP), and Completions

FDOE Career Certificates Categories	2016-17	2017-18	2018-19	2019-20	2020-21
Total Student Enrollment	1,401	1,472	4,059	na	3,400
% Female Students of Total CC Enrolled				na	8%(261)
% Minority Students of Total CC Enrolled				na	39%(1,315)
Total Student Enrollment Disabaled		12	147	na	4%(122)
Total Student Enrollment Military/Veterans		nr	nr	na	7%(222)
Total OCP Earners (Post-Secondary)	1,090	522	3,320		3,900
% Female OCP Earners (Post-Secondary)				na	8%(306)
% Minority OCP Earners (Post-Secondary)				na	38%(1,491)
% Disability OCP Earners (Post-Secondary)				na	1%(26)
% Military OCP Earners (Post-Secondary)				na	2%(59)
Full Program Completer	106	28	10,400		446
% Female Full Program Completer	106	28	10,400	na	9%(39)
% Minority Full Program Completer				na	37%(164)
% Disability Full Program Completer				na	3%(12)
% Military Full Program Completer				na	4%(19)
Number of Programs Offered	18	20	31		125
Number of Participating Institutions	30	56	61	na	58
Total Industry Certification Post-Secondary - MCCS Passed	11	nr	4	na	6

VI b. Post-Secondary Career Certificate (CC) Enrollments, OCP, and Completions by Program					
Program Title	2016-17	2017-18	2018-19	2019-20	2020-21
Advanced Manufacturing and Production Technology (Name changed)	12	nr	62		43
Biomedical Equipment Repair Technology (Added - new)			15		27
CNC Production Specialist (Added - new)			39		78
Electrical & Instrumentation Technology, 1 & 2	31	22	42		78
Electronic Systems Technician (new)					39
Electronic Technology, 1 & 2	200	177	175		32
Industrial Machinery Maintenance & Repair	18	21	32		15
Industrial Technology	nr	nr	nr		
Machining Technologies	134	167	201		198
Mechatronics Technology (New - added)			31		59
Power Equipment Technologies (Added - new)			32		11
Sheet Metal Fabrication Technology - APR	141	192	197		nr
Solar Photovoltaic Syst Desing, Inst, Maint-Entry Level	63	59	33		35
Turbine Generator Maintenance, Inspection & Repair	25	25	27		28
Welding Technology	191	28	1,884		2,408
Welding Technology - Advanced			259		277

Appendix A. 2016-21 Enrollment Breakout for Colleges Adopting the Engineering Technology (ET) Degree Program and/or Certificates

College Name	2016-17	2017-18	2018-19	2019-2020	2020-21
Broward College (BC) - Adopted ET 2012	608	509	446	915	659
Chipola College (CC) - Adopted ET 2016	29	22	20	19	6
College of Central Florida (CCF) Adopted ET 2008	94	138	153	124	131
Daytona State College (DSC) - Adopted ET 2012	125	200	84	105	118
Eastern Florida State College (EFSC) - Adopted ET 2008	1,165	1,130	949	882	740
Florida State College at Jax (FSCJ) - Adopted ET 2009	59	12	nr	nr	1
Florida SouthWestern Florida State College (Formerly Edison)	nr	261	474	516	511
Florida State College at Jax (FSCJ) - Adopted ET 2009	2,256	2,219	1,947	1,440	1,164
Gulf Coast State College (GCSC) - Adopted ET 2012	85	83	73	63	110
Hillsborough Community College (HCC) - Adopted ET 2008	435	436	284	283	285
Indian River State College	282	245	168	224	153
Lake Sumter State College (LSSC) - Adopted ET 2015	111	126	213	185	156
Miami Dade College	258	230	169	289	345
North Florida College (NFC) - Adopted ET 2018		nr	12	14	13
NorthWest Florida State College (NWFSC) - Adopted ET 2012	179	87	61	67	59
Palm Beach State College (PBSC) - Adopted ET 2015	246	321	348	325	337
Pasco-Hernando State College (PHSC) - Adopted ET 2015	137	150	81	102	104
Pensacola State College (PSC) - Adopted ET 2008	151	133	125	102	115
Polk State College (PSC) - Adopted ET 2009	213	198	199	209	166
Santa Fe College	112	38	38	82	78
Seminole State College (SSC) - Adopted ET 2014	214	286	289	326	467
South Florida State College (SFSC) - Adopted ET 2017	17	12	14	40	57
St. Johns River SC (SJRC) - Adopted ET Fall 2019	11	nr	58	192	267
St. Petersburg College (SPC) - Adopted ET 2008	507	368	284	317	279
State College of Florida Manatee/Venice (SCF) - Adopted ET 2009	89	92	89	91	98
Tallahassee Community College (TCC) - Adopted ET 2011	87	75	39	58	35
The College of Florida Keys		12	23	18	15
Valencia Community College - Adopted ET 2020	663	698	804	3,769	2,557
Total Enrollment for all Institutions*	**8,133**	**8,081**	**7,444**	**10,757**	**9,026**

Data Source: FDOE-PERA Division of Aacountability, Research and Measurement

*The Total Enrollment by College appendix includes AS enrollment for Engineering Technology (ET) and Related Technology AS programs and ET and Related Technology College Credit Certificates (CCC). All data reported here is extracted by reports provided by the FLDOE. Reporting by FLATE in this report begins with college ET adoption year. Some added adopters and programs are too recent to display FLDOE data.

Enrollment discrepancies may exist due to enrollment coding at the individual institutional level, for instance, a student working towards the ET AS degree may be coded as a certificate enrollment, change of major form has not been recorded, or reporting by the office of the registrar may be in error, etc.

"Notes:
- A student is considered enrolled if they have a course and program record in the same institution during the reporting year.
- Veteran status is determined using Data Element 1057 values "V", Service prior to 9/11/2001, "W," Service on or after 9/11/2001, and "E," Service Dates Unknown.
- Disability status is determined using Data Element 1002, where students with a record value indicating they have a physical or mental impairment that substantially limits or restricts one or more major life activities are classified as disabled (disability value is not equal to "Z").
- Students are considered to have completed a program if they were granted a degree (Data Element 2103) in one of the following: Associate in Applied Science (AAS) Degree (value = "A"), Associate in Science (AS) Degree ("2"), Associate in Science Certificate (College Credit Certificate (CCC) ("3"), or Applied Technology Diploma (ATD) ("7")."

Appendix B - 2020-21 Student Enrollment Demographic Breakout for Colleges Adopting the ET and Related AS/AAS Degree Program

ET and Related Programs	Total Student Enrollment	Student Enrollment Male	Student Enrollment Female	Student Enrollment Gender Unknown	Student Enrollment White	Student Enrollment Black or African American	Student Enrollment Hispanic/ Latino	Student Enrollment American Indian-Alaska Native	Student Enrollment Asian	Student Enrollment Hawaiian Pacific Islander	Student Enrollment Two or More Races	Student Enrollment race Unknown	Student Enrollment Disability	Student Enrollment Military Status	Student Enrollment MSSC
BROWARD COLLEGE	**583**	**521**	**57**	**5**	**84**	**183**	**221**	**3**	**36**	**2**	**31**	**23**	**11**	**39**	**2**
Aviation Maintenance Management	427	399	24	4	59	124	178	2	25	2	17	20	4	31	
Engineering Technology	132	105	26	1	21	51	32	1	11		13	3	6	6	2
Industrial Management Technology	24	17	7	*	4	8	11				1		1	2	
CHIPOLA COLLEGE	**6**	**5**	**1**		**4**		**1**					**1**			
Engineering Technology	6	5	1		4		1					1			
COLLEGE OF CENTRAL FLORIDA	**114**	**85**	**29**		**77**	**10**	**20**		**3**	**1**	**3**		**5**	**8**	
Engineering Technology	114	85	29		77	10	20		3	1	3		5	8	
DAYTONA STATE COLLEGE	**115**	**101**	**12**	**2**	**63**	**10**	**30**	**1**	**1**		**7**	**3**	**3**	**10**	
Electronics Engineering Technology	24	20	4		17		7							3	
Engineering Technology	69	62	5	2	35	5	19	1	1		7	1	1	4	
Industrial Management Technology	15	13	2		8	3	2					2		2	
Simulation Technology	7	6	1		3	2	2						2	1	
EASTERN FLORIDA STATE COLLEGE	**701**	**443**	**257**	**1**	**445**	**62**	**111**	**7**	**15**	**3**	**48**	**10**	**26**	**66**	**5**
Aerospace Technology	165	133	31	1	115	9	27	1	2	2	8	1	9	24	
Chemical Technology	331	139	192		196	33	58	4	9	1	25	5	11	17	2
Engineering Technology	172	153	19		111	16	22	2	4		14	3	5	20	2
Industrial Management Technology	7	4	3		4		1				1	1		1	1
Transportation and Logistics	26	14	12		19	4	3						1	4	
FLORIDA SOUTHWESTERN STATE COLLEGE	**503**	**181**	**322**		**172**	**80**	**200**	**1**	**17**	**1**	**11**	**21**	**20**	**25**	
Chemical Technology	503	181	322		172	80	200	1	17	1	11	21	20	25	
FLORIDA STATE COLLEGE AT JACKSONVILLE	**321**	**288**	**33**		**174**	**53**	**54**	**1**	**15**	**2**	**14**	**8**	**8**		
Aviation Maintenance Management	98	92	6		55	11	22		3	1	4	2	4		
Biomedical Equipment Technician	35	29	6		18	4	8		4	1			1		
Engineering Technology	143	129	14		76	28	18	1	6		8	6	2		
Industrial Management Technology	45	38	7		25	10	6		2		2		1		
GULF COAST STATE COLLEGE	**106**	**84**	**15**	**7**	**81**	**9**	**5**	**2**			**3**	**6**	**3**	**26**	
Engineering Technology	52	42	10		39	4	2				3	4	2	9	
Unmanned Vehicle Systems Operations	54	42	5	7	42	5	3	2				2	1	17	
HILLSBOROUGH COMMUNITY COLLEGE	**224**	**191**	**28**	**5**	**75**	**44**	**75**		**11**		**7**	**12**	**18**	**17**	
Electronics Engineering Technology	84	69	14	1	32	18	19		5		3	7	9	10	
Engineering Technology	107	92	11	4	27	21	45		6		3	5	9	5	
Industrial Management Technology	33	30	3		16	5	11				1			2	
INDIAN RIVER STATE COLLEGE	**120**	**109**	**11**		**46**	**23**	**42**		**3**		**2**	**4**	**1**	**14**	**16**
Electrical Power Technology	46	43	3		20	8	14		1		1	2		3	14
Electronics Engineering Technology	74	66	8		26	15	28		2		1	2	1	11	2
LAKE-SUMTER STATE COLLEGE	**118**	**103**	**15**		**85**	**9**	**14**	**1**			**4**	**5**	**3**	**17**	
Engineering Technology	107	99	8		77	9	11	1			4	5	3	16	
Industrial Management Technology	11	4	7		8		3							1	
MIAMI DADE COLLEGE	**319**	**249**	**70**		**20**	**41**	**240**		**8**	**1**	**2**	**7**	**10**	**9**	
Aviation Maintenance Management	53	48	5		1	2	49					1	1	1	
Biomedical Equipment Technician	50	31	19		1	9	36		2		1	1	2	1	
Electrical Power Technology	1	1					1								
Electronics Engineering Technology	134	121	13		11	19	93		6	1	1	3	6	5	
Industrial Management Technology	5	5				1	3					1			
Manufacturing Technology	14	11	3		1	1	11					1			
Transportation and Logistics	62	32	30		6	9	47						1	2	
NORTH FLORIDA COLLEGE	**13**	**12**	**1**		**13**										
Engineering Technology	13	12	1		13										
NORTHWEST FLORIDA STATE COLLEGE	**56**	**55**	**1**		**33**	**5**	**8**		**4**		**6**		**3**	**5**	
Engineering Technology	46	46			28	4	6		4		4		3	5	
Industrial Management Technology	7	6	1		3	1	2				1				
Unmanned Vehicle Systems Operations	3	3			2						1				
PALM BEACH STATE COLLEGE	**250**	**219**	**28**	**3**	**69**	**74**	**80**		**12**		**5**	**10**	**7**	**11**	
Electrical Power Technology	68	62	4	2	21	17	24		1		1	4	2	1	
Engineering Technology	182	157	24	1	48	57	56		11		4	6	5	10	
Industrial Management Technology															

Institution / Program															
PASCO-HERNANDO STATE COLLEGE	103	83	20		71	7	17		2		3	3		3	15
Engineering Technology	66	51	15		39	6	13		2		3	3		3	8
Industrial Management Technology	5	4	1		4		1								
Unmanned Vehicle Systems Operations	32	28	4		28	1	3							7	
PENSACOLA STATE COLLEGE	106	92	14		75	16	7		1		7		6	19	5
Electronics Engineering Technology	43	38	5		31	6	2				4		5	8	1
Engineering Technology	63	54	9		44	10	5		1		3		1	11	4
POLK STATE COLLEGE	121	101	20		66	19	28		2		5	1	5	12	
Engineering Technology	108	96	12		57	17	26		2		5	1	5	10	
Industrial Management Technology	13	5	8		9	2	2							2	
SANTA FE COLLEGE	77	41	36		36	9	17		3	1	7	4	11	5	
Biomedical Equipment Technician	29	22	7		14	4	2		2	1	4	2	5	2	
Chemical Technology	48	19	29		22	5	15		1		3	2	6	3	
SEMINOLE STATE COLLEGE OF FLORIDA	317	176	125	16	138	40	105	1	16		12	5	16	10	
Chemical Technology	191	89	100	2	72	26	68		13		10	2	10	6	
Engineering Technology	113	78	21	14	62	11	31	1	3		2	3	5	3	
Industrial Management Technology	13	9	4		4	3	6	*					1	1	
SOUTH FLORIDA STATE COLLEGE	51	43	8		19	8	20		1		2	1	2	2	
Biomedical Equipment Technician	17	11	6		6	2	7		1			1			
Engineering Technology	26	24	2		11	6	7				2		2	1	
Industrial Management Technology	8	8			2		6							1	
Manufacturing Technology															
ST. JOHNS RIVER STATE COLLEGE	150	114	27	9	95	22	12		4	2	7	8	9	1	
Engineering Technology	150	114	27	9	95	22	12		4	2	7	8	9	1	
ST. PETERSBURG COLLEGE	215	168	42	5	131	19	36		13	1	6	9	19	36	
Aviation Maintenance Management	2	2			2			*						1	
Biomedical Equipment Technician	73	52	19	2	41	4	20	*	4		1	3	7	12	
Engineering Technology	133	107	23	3	87	10	16	*	8	1	5	6	11	20	
Industrial Management Technology	7	7			1	5		*	1				1	3	
STATE COLLEGE OF FLORIDA, MANATEE-SARASOTA	58	43	15		37	6	9		1		1	4	4		
Engineering Technology	58	43	15		37	6	9		1		1	4	4		
TALLAHASSEE COMMUNITY COLLEGE	34	27	7		16	12	3		1			2	2	3	
Engineering Technology	34	27	7		16	12	3		1			2	2	3	
THE COLLEGE OF THE FLORIDA KEYS	15	8	7		12				1		2				4
Engineering Technology	15	8	7		12				1		2				4
VALENCIA COLLEGE	558	447	86	25	157	104	233	3	15	2	14	30	4	21	
Electronics Engineering Technology	406	336	51	19	114	76	170	2	10	1	11	22	4	18	
Engineering Technology	67	52	11	4	16	8	33		3		2	5		1	
Industrial Management Technology	85	59	24	2	27	20	30	1	2	1	1	3		2	
Total general	6,009	4,506	1,428	75	2,643	1,079	1,618	16	192	23	219	219	257	530	11

Appendix C - 2020-21 Student Completion Demographic Breakout for Colleges Adopting the ET and Related AS/AAS Degree Program

ET and Related Programs	Total Student Completion	Student Completion Male	Student Completion Female	Student Completion Gender Unknown	Student Completion White	Student Completion Black or African American	Student Completion Hispanic/Latino	Student Completion American Indian or Alaska Native	Student Completion Asian	Student Completion Native Hawaiian/Pacific Islander	Student Completion Two or More Races	Student Completion race Unknown	Student Completion Disability	Student Completion Military Status	Student Completion MSSC
BROWARD COLLEGE	**56**	**51**	**5**		**6**	**19**	**19**		**8**		**3**	**1**	**1**	**4**	**1**
Aviation Maintenance Management	35	32	3		2	13	12		5		2	1		4	
Engineering Technology	20	18	2		4	6	6		3		1		1		1
Industrial Management Technology	1	1					1								
CHIPOLA COLLEGE	**1**	**1**			**1**										
Engineering Technology	1	1			1										
COLLEGE OF CENTRAL FLORIDA	**4**	**4**			**3**		**1**							**2**	
Engineering Technology	4	4			3		1							2	
DAYTONA STATE COLLEGE	**16**	**15**	**1**		**9**	**2**	**4**				**1**		**2**		
Electronics Engineering Technology	2	1	1		1		1								
Engineering Technology	8	8			5		2				1		1		
Industrial Management Technology	5	5			3	1	1								
Simulation Technology	1	1				1							1		
EASTERN FLORIDA STATE COLLEGE	**50**	**32**	**18**		**35**	**5**	**8**				**1**	**1**	**2**	**4**	**1**
Aerospace Technology	25	19	6		17	3	4				1		2	2	
Chemical Technology	11	2	9		8	1	1					1			1
Engineering Technology	10	10			8		2							1	
Industrial Management Technology	1	1			1										
Transportation and Logistics	3		3		1	1	1							1	
FLORIDA SOUTHWESTERN STATE COLLEGE	**5**	**4**	**1**		**3**	**1**			**1**						
Chemical Technology	5	4	1		3	1			1						
FLORIDA STATE COLLEGE AT JACKSONVILLE	**63**	**53**	**10**		**30**	**11**	**12**		**3**		**3**	**4**	**1**		
Aviation Maintenance Management	9	9			4	1	3				1				
Biomedical Equipment Technician	9	7	2		2	2	2				1	2			
Engineering Technology	35	28	7		18	5	7		2		1	2	1		
Industrial Management Technology	10	9	1		6	3			1						
GULF COAST STATE COLLEGE	**14**	**9**	**4**	**1**	**13**						**1**		**2**	**2**	
Engineering Technology	6	3	3		5						1			1	
Unmanned Vehicle Systems Operations	8	6	1	1	8								2	1	
HILLSBOROUGH COMMUNITY COLLEGE	**21**	**18**	**3**		**9**	**5**	**4**		**1**		**1**	**1**		**1**	
Electronics Engineering Technology	13	11	2		6	3	3		1					1	
Engineering Technology	5	4	1		1	1	1				1	1			
Industrial Management Technology	3	3			2	1									
INDIAN RIVER STATE COLLEGE	**19**	**18**	**1**		**10**	**4**	**4**					**1**		**2**	**10**
Electrical Power Technology	11	10	1		6	2	2					1		2	10
Electronics Engineering Technology	8	8			4	2	2								
LAKE-SUMTER STATE COLLEGE	**27**	**27**			**20**	**1**	**4**					**2**	**1**	**4**	
Engineering Technology	26	26			19	1	4					2	1	4	
Industrial Management Technology	1	1			1										
MIAMI DADE COLLEGE	**21**	**15**	**6**		**1**	**3**	**17**						**1**	**1**	
Aviation Maintenance Management	2	2					2								
Biomedical Equipment Technician															
Electrical Power Technology															
Electronics Engineering Technology	16	12	4		1	3	12							1	
Industrial Management Technology															
Manufacturing Technology															
Transportation and Logistics	3	1	2				3						1		
NORTH FLORIDA COLLEGE	**4**	**4**			**4**										
Engineering Technology	4	4			4										
NORTHWEST FLORIDA STATE COLLEGE	**5**	**5**			**4**		**1**							**1**	
Engineering Technology	5	5			4		1							1	
Industrial Management Technology															
Unmanned Vehicle Systems Operations															
PALM BEACH STATE COLLEGE	**29**	**25**	**4**		**8**	**6**	**8**		**3**		**2**	**2**	**1**	**1**	
Electrical Power Technology	6	5	1		2	2	1				1				
Engineering Technology	22	19	3		6	4	7		3			2	1	1	
Industrial Management Technology	1	1									1				
PASCO-HERNANDO STATE COLLEGE	**3**	**2**	**1**		**2**						**1**		**1**	**2**	
Engineering Technology	2	2			1						1		1	1	
Industrial Management Technology															
Unmanned Vehicle Systems Operations	1		1		1									1	

PENSACOLA STATE COLLEGE	9	8	1		5	3	1					1		1
Electronics Engineering Technology	5	5			3	2						1		
Engineering Technology	4	3	1		2	1	1							1
POLK STATE COLLEGE	4	4			3		1					1		
Engineering Technology	4	4			3		1					1		
Industrial Management Technology														
SANTA FE COLLEGE	12	8	4		7		1	2		1	1	3		
Biomedical Equipment Technician	5	3	2		3					1	1	1		
Chemical Technology	7	5	2		4		1	2				2		
SEMINOLE STATE COLLEGE OF FLORIDA	70	37	32	1	31	7	21	5		5	1	4	3	
Chemical Technology	56	26	29	1	24	6	17	4		5		3	1	
Engineering Technology	12	10	2		6	1	3	1			1	1	2	
Industrial Management Technology	2	1	1		1		1							
SOUTH FLORIDA STATE COLLEGE	4	4			2		2					1		
Biomedical Equipment Technician	2	2			1		1							
Engineering Technology														
Industrial Management Technology	1	1					1							
Manufacturing Technology	1	1			1							1		
ST. JOHNS RIVER STATE COLLEGE														
Engineering Technology														
ST. PETERSBURG COLLEGE	25	22	3		18	2	2	2		1		2	5	
Aviation Maintenance Management	2	2			2								1	
Biomedical Equipment Technician	8	7	1		5		2	1					1	
Engineering Technology	12	10	2		10			1		1		1	2	
Industrial Management Technology	3	3			1	2						1	1	
STATE COLLEGE OF FLORIDA, MANATEE-SARASOTA	6	4	2		3		1				2			
Engineering Technology	6	4	2		3		1				2			
TALLAHASSEE COMMUNITY COLLEGE	6	6			3	3						1	1	
Engineering Technology	6	6			3	3						1	1	
THE COLLEGE OF THE FLORIDA KEYS	1		1		1									
Engineering Technology	1		1		1									
VALENCIA COLLEGE	38	30	7	1	16	6	7			1	8	1	2	
Electronics Engineering Technology	28	22	5	1	10	4	5			1	8	1		
Engineering Technology														
Industrial Management Technology	10	8	2		6	2	2						2	
Total general	513	406	104	3	247	78	118	25	1	19	25	25	36	13

Appendix D - 2020-21 Student Enrollment Demographic Breakout for Colleges Adopting the ET and Related CCCs by College

Student Enrollment by College- CCC	Total Enrollment	Male Enrollment	Female Enrollment	Unknown Gender Enrollment	White enrollment	Black afr Enrollment	Hispoano Lat Enrollment	American Idian Alaska Native Enrollment	Asisan Enrollment	Native Hawaiian-Other Pacific Islander Enrollment	Two or more races Enrollment	Unknown Race Enrollment	Disability Enrollment	Veteran Enrollment	MSSC Enrollment
BROWARD COLLEGE	76	55	19	2	12	29	24		6	1	1	3	2	9	3
Alternative Energy Systems Specialist	10	9		1	1	2	4		1			2			1
CNC Machinist Operator/Programmer	13	11	1	1	2	8	2					1	1	2	1
Electronics Aide	10	8	2		4	4	1				1		1		1
Engineering Technology Support Specialist	1	1			1										
Logistics and Transportation Specialist	40	26	14		4	15	16		5					7	
Scientific Workplace Preparation	2		2				1			1					
CHIPOLA COLLEGE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pneumatics, Hydraulics & Motors for Manufacturing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COLLEGE OF CENTRAL FLORIDA	17	9	8		9	6	1		1						
Automation															
Engineering Technology Support Specialist	2	2			1	1									
Lean Six Sigma Green Belt Certificate	3	2	1		1	1			1						
Logistics and Transportation Specialist	3		3		1	1	1								
Mechanical Designer and Programmer	4	3	1		4										
Mechatronics	1	1			1										
Pneumatics, Hydraulics & Motors for Manufacturing	1	1				1									
Scientific Workplace Preparation	3		3		1	2									
DAYTONA STATE COLLEGE	3	2	1		2		1								
Engineering Technology Support Specialist	3	2	1		2		1								*
EASTERN FLORIDA STATE COLLEGE	39	27	12		24	2	8	1	2		2			4	
Aerospace Technician	10	10			5		4	1						3	
CNC Machinist/Fabricator	9	8	1		8						1			1	
Composite Fabrication and Testing															
Engineering Technology Support Specialist	10	8	2		6	1	2				1				
Scientific Workplace Preparation	10	1	9		5	1	2		2						
FLORIDA GATEWAY COLLEGE	1	1					1								
Logistics and Transportation Specialist	1	1					1								
FLORIDA SOUTHWESTERN STATE COLLEGE	8	2	6		4	1	2				1				
Scientific Workplace Preparation	8	2	6		4	1	2				1				
FLORIDA STATE COLLEGE AT JACKSONVILLE	843	452	389	2	388	207	111	4	53	2	58	20	36	111	2
Automation	52	50	2		28	12	6		1		3	2	1	12	
Chemical Laboratory Specialist	202	63	137	2	79	44	34	2	21	1	17	4	12	11	
CNC Machinist/Fabricator	25	23	2		13	5	4		1		2			6	
Engineering Technology Support Specialist	82	73	9		43	16	10	1	3		6	3	1	16	1
Logistics and Transportation Specialist	91	57	34		39	33	10		1		7	1	7	24	
Mechatronics	71	66	5		37	16	8		4		4	2	4	17	
Pneumatics, Hydraulics & Motors for Manufacturing	58	53	5		29	12	7		3		5	2	1	13	1
Scientific Workplace Preparation	262	67	195		120	69	32	1	19	1	14	6	10	12	
GULF COAST STATE COLLEGE	4	4			1		1				1	1			
Automation	1	1					1								
CNC Machinist/Fabricator	1	1										1			
Composite Fabrication and Testing															
Electronics Aide															
Engineering Technology Support Specialist	1	1			1										
Mechatronics															
Rapid Prototyping Specialist	1	1									1				
HILLSBOROUGH COMMUNITY COLLEGE	61	41	17	3	24	16	10				6	5	5	5	
Automation	6	4	1	1	2	1	1				1	1			1
CNC Machinist/Fabricator	5	5			2		1				2			1	
Electronics Technician	16	11	4	1	8	4	3					1	2	1	
Engineering Technology Support Specialist	8	6	2		3	2	2				1				
Laser and Photonics Technician	8	4	4		5	1	1					1	1		
Lean Manufacturing															
Logistics and Transportation Specialist	6	4	2		1	4	1						2	1	
Mechatronics	6	3	2	1	2	1					1	2		1	
Pneumatics, Hydraulics & Motors for Manufacturing	6	4	2		1	3	1				1				

INDIAN RIVER STATE COLLEGE	33	30	3		12	9	10				2		1		2
Basic Electronics Technician	6	6			2	1	2				1				1
Electronics Technician	12	11	1		6	3	3								
Laser and Photonics Technician	6	5	1		1	2	3								
Solar Energy Technician	9	8	1		3	3	2				1		1		1
LAKE-SUMTER STATE COLLEGE	38	30	8		29	1	5	1	1			1	1	3	
Chemical Laboratory Specialist	7	2	5		4		2		1				1		
Engineering Technology Support Specialist	31	28	3		25	1	3	1				1			3
Scientific Workplace Preparation	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MIAMI DADE COLLEGE	26	20	6		1	5	19					1		1	
Engineering Technology Support Specialist	4	3	1		1		3								
Lean Manufacturing	1	1										1			
Logistics and Transportation Specialist	14	9	5			4	10							1	
Mechatronics	5	5				1	4								
Rapid Prototyping Specialist	2	2					2								
NORTH FLORIDA COLLEGE															
Engineering Technology Support Specialist															
Lean Manufacturing															
Pneumatics, Hydraulics & Motors for Manufacturing															
NORTHWEST FLORIDA STATE COLLEGE	3	3			1		2							1	
CNC Machinist/Fabricator	3	3			1		2							1	
Engineering Technology Support Specialist															
PALM BEACH STATE COLLEGE	87	67	18	2	19	36	19		4		3	6	1	2	
Alternative Energy Engineering Technology	17	16	1		5	3	7				1	1			
Automation	4	4				1	1				1	1			
Engineering Technology Support Specialist	34	29	5		8	16	6		2		1	1			
Lean Manufacturing	3		3		1				2						
Logistics and Transportation Specialist	29	18	9	2	5	16	5					3	1	2	
PASCO-HERNANDO STATE COLLEGE	1	1			1										
Automation															
Engineering Technology Support Specialist	1	1			1										
Pneumatics, Hydraulics & Motors for Manufacturing															
PENSACOLA STATE COLLEGE	9	9			9									3	*
CNC Composite Fabricator/Programmer															*
CNC Machinist Operator/Programmer	1	1			1									1	*
CNC Machinist/Fabricator	4	4			4									2	*
Electronics Aide															*
Electronics Technician	1	1			1										*
Engineering Technology Support Specialist	2	2			2										*
Mechanical Designer and Programmer	1	1			1										*
POLK STATE COLLEGE	45	39	6		23	6	12		2			2	1	8	
Automation	1	1					1								
Engineering Technology Support Specialist	15	14	1		4	2	6		1			2		2	
Logistics and Transportation Specialist	17	12	5		12	3	2							4	
Mechatronics	1	1					1								
Pneumatics, Hydraulics & Motors for Manufacturing	11	11			7	1	2		1				1	2	
Santa Fe College	10	5	4	1	5	2	1	*	*	*	2	*	*	1	*
Chemical Laboratory Specialist	1		1		1										*
SEMINOLE STATE COLLEGE OF FLORIDA	150	90	45	15	90	16	31		5		3	5	3	18	*
Alternative Energy Engineering Technology	2	1	1		2										*
Engineering Technology Support Specialist	43	24	9	10	25	3	11		3		1		2	1	
Industry Operations Specialist	77	42	30	5	51	10	12		1		1	2		12	*
Logistics and Transportation Specialist	11	8	3		3	2	5		1					2	
Mechatronics	17	15	2		9	1	3				1	3	1	3	*
SOUTH FLORIDA STATE COLLEGE	6	6			4		1	1						1	*
Automation	1	1			1									1	
CNC Machinist/Fabricator	1	1			1										*
Mechatronics	4	4			2		1	1							
ST. JOHNS RIVER STATE COLLEGE	117	83	26	8	74	18	12		3	1	3	6	1	1	
Engineering Technology Support Specialist	112	81	24	7	72	17	10		3	1	3	6	1	1	
Logistics and Transportation Specialist	5	2	2	1	2	1	2								
Mechatronics															
ST. PETERSBURG COLLEGE	64	49	10	5	48	4	7		3		1	1	4	10	*
Electronics Aide	4	3	1		2	1			1					1	*
Engineering Technology Support Specialist	25	23	2		19	1	3				1	1	2	5	

Lean Six Sigma Green Belt Certificate	8	3	3	2	6		2						1		*
Logistics and Transportation Specialist	8	4	3	1	7	1								1	*
Mechatronics	2	2								2				1	*
Rapid Prototyping Specialist	15	12	1	2	13		2						1	1	
Six Sigma Black Belt Certificate	2	2			1	1								1	*
STATE COLLEGE OF FLORIDA, MANATEE-SARASO	**40**	**21**	**19**		**25**	**2**	**9**	**1**	**1**			**1**	**1**	**3**	
Alternative Energy Engineering Technology	13	10	3		10	1	2							1	
Basic Electronics Technician	3	3					2	1							
Engineering Technology Support Specialist	4	3	1		2		1					1			
Lean Manufacturing	6	4	2		3		2				1		2		
Scientific Workplace Preparation	14	1	13		10	1	2		1						
TALLAHASSEE COMMUNITY COLLEGE	**1**	**1**			**1**										*
Engineering Technology Support Specialist	1	1			1										*
Pneumatics, Hydraulics & Motors for Manufacturing															*
VALENCIA COLLEGE	**1,999**	**988**	**978**	**33**	**585**	**343**	**799**	**6**	**90**	**6**	**56**	**114**	**22**	**72**	
Basic Electronics Technician	27	22	4	1	7	6	10			1	3			2	
Electronics Technician	43	35	8		15	8	9		2		2	7	1		
Industry Operations Specialist	1,903	913	960	30	553	325	773	6	87	5	51	103	20	68	
Laser and Photonics Technician	18	12	5	1	7	3	4		1			3		2	
Rapid Prototyping Specialist	8	6	1	1	3	1	3					1	1		
Grand Total	**3,672**	**2,030**	**1,572**	**70**	**1,387**	**702**	**1,084**	**13**	**172**	**10**	**138**	**166**	**81**	**137**	**5**

Appendix E - 2020-21 Student Completion Demographic Breakout for Colleges Adopting the ET and Related CCCs by College

Student Completion by College- CCC	Total Completion	Male Completion	Female Completion	Unknown Gender Completion	White Completion	Black afr Completion	Hispoano Lat Completion	American Idian Alaska Native Completion	Asisan Completion	Native Hawaiian- Other Pacific Islander Completion	Two or more races Completion	Unknown Race Completion	Disability Completion	Veteran Completion	MSSC Completion
BROWARD COLLEGE	**61**	**47**	**13**	**1**	**10**	**25**	**18**		**6**		**1**	**1**	**2**	**8**	**3**
Alternative Energy Systems Specialist	7	6		1	1	2	2		1			1			1
CNC Machinist Operator/Programmer	12	11	1		2	8	2						1	2	1
Electronics Aide	11	9	2		4	4	2			1			1		1
Engineering Technology Support Specialist															
Logistics and Transportation Specialist	31	21	10		3	11	12		5					6	
Scientific Workplace Preparation															
CHIPOLA COLLEGE	**1**	**1**				**1**									
Pneumatics, Hydraulics & Motors for Manufacturing	1	1				1									
COLLEGE OF CENTRAL FLORIDA	**90**	**29**	**61**		**60**	**9**	**14**		**3**		**2**	**2**	**3**	**9**	
Automation	3	2	1		2		1							2	
Engineering Technology Support Specialist	4	3	1		4									2	
Lean Six Sigma Green Belt Certificate	1	1			1										
Logistics and Transportation Specialist	1		1		1										
Mechanical Designer and Programmer	1		1		1										
Mechatronics	3	3			2		1							2	
Pneumatics, Hydraulics & Motors for Manufacturing	3	2	1		2		1							3	
Scientific Workplace Preparation	74	18	56		47	9	11		3		2	2	3		
DAYTONA STATE COLLEGE	**2**	**2**			**1**		**1**						**1**		
Engineering Technology Support Specialist	2	2			1		1						1		
EASTERN FLORIDA STATE COLLEGE	**348**	**72**	**276**		**235**	**38**	**44**	**2**	**11**		**15**	**3**	**8**	**10**	
Aerospace Technician	33	25	8		25	3	4				1		3	3	
CNC Machinist/Fabricator	3	3			3										
Composite Fabrication and Testing	1	1			1										
Engineering Technology Support Specialist	3	2	1		2		1								
Scientific Workplace Preparation	308	41	267		204	34	40	2	11		14	3	5	7	
FLORIDA GATEWAY COLLEGE	**1**	**1**				**1**									
Logistics and Transportation Specialist	1	1				1									
FLORIDA SOUTHWESTERN STATE COLLEGE	**3**		**3**		**2**						**1**				
Scientific Workplace Preparation	3		3		2						1				
FLORIDA STATE COLLEGE AT JACKSONVILLE	**316**	**157**	**159**		**144**	**78**	**42**	**1**	**22**	**1**	**19**	**9**	**11**	**111**	**2**
Automation														12	
Chemical Laboratory Specialist	71	20	51		29	14	9	1	9	1	8		2	11	
CNC Machinist/Fabricator	14	12	2		6	3	3		1		1			6	
Engineering Technology Support Specialist	33	27	6		17	5	6		2		1	2		16	1
Logistics and Transportation Specialist	37	22	15		15	14	4				3	1	3	24	
Mechatronics	28	22	6		17	4	3		2			2	1	17	
Pneumatics, Hydraulics & Motors for Manufacturing	35	28	7		17	7	5		2		1	3	1	13	1
Scientific Workplace Preparation	98	26	72		43	31	12		6		5	1	4	12	
GULF COAST STATE COLLEGE	**32**	**25**	**6**	**1**	**22**		**3**		**1**		**3**	**3**	**2**	**4**	
Automation															
CNC Machinist/Fabricator	8	5	2	1	5		1					2		1	
Composite Fabrication and Testing	6	4	2		4		1					1			
Electronics Aide	1	1			1									1	
Engineering Technology Support Specialist	12	11	1		9		1		1		1		1	1	
Mechatronics	1	1			1										
Rapid Prototyping Specialist	4	3	1		2						2		1	1	
HILLSBOROUGH COMMUNITY COLLEGE	**27**	**16**	**10**	**1**	**10**	**9**	**2**				**4**	**2**	**1**	**1**	
Automation	4	3		1	2	1						1		1	
CNC Machinist/Fabricator															
Electronics Technician	3	2	1		1	1	1								
Engineering Technology Support Specialist	2	1	1				1				1				
Laser and Photonics Technician	7	4	3		4	1	1					1	1		
Lean Manufacturing	1		1								1				
Logistics and Transportation Specialist	2	1	1		1	1									
Mechatronics	2	1	1			1					1				
Pneumatics, Hydraulics & Motors for Manufacturing	6	4	2		2	3					1				
INDIAN RIVER STATE COLLEGE	**14**	**14**			**7**	**3**	**4**								**2**
Basic Electronics Technician	4	4			2	1	1								1
Electronics Technician	3	3			2		1								
Laser and Photonics Technician	3	3			1		2								

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13
Solar Energy Technician	4	4			2	2							1
LAKE-SUMTER STATE COLLEGE	**88**	**36**	**52**		**43**	**9**	**18**	**8**		**10**	**3**	**5**	
Chemical Laboratory Specialist	23	6	17		11	2	2	4		4			
Engineering Technology Support Specialist	19	19			12	1	4			2	1	5	
Scientific Workplace Preparation	46	11	35		20	6	12	4		4	2		*
MIAMI DADE COLLEGE	**5**	**5**					**4**			**1**		**1**	
Engineering Technology Support Specialist													
Lean Manufacturing	2	2					1			1			
Logistics and Transportation Specialist	2	2					2					1	
Mechatronics													
Rapid Prototyping Specialist	1	1					1						
NORTH FLORIDA COLLEGE	**10**	**10**			**10**								
Engineering Technology Support Specialist	4	4			4								
Lean Manufacturing	2	2			2								
Pneumatics, Hydraulics & Motors for Manufacturing	4	4			4								
NORTHWEST FLORIDA STATE COLLEGE	**10**	**10**			**8**		**2**				**4**		
CNC Machinist/Fabricator	5	5			3		2				3		
Engineering Technology Support Specialist	5	5			5						1		
PALM BEACH STATE COLLEGE	**51**	**40**	**10**	**1**	**12**	**21**	**9**	**4**	**1**	**4**	**1**	**1**	
Alternative Energy Engineering Technology	9	8	1		2	3	3			1			
Automation	2	2					1			1			
Engineering Technology Support Specialist	25	21	4		5	12	4	2	1	1			
Lean Manufacturing	3		3		1			2					
Logistics and Transportation Specialist	12	9	2	1	4	6	1			1	1	1	
PASCO-HERNANDO STATE COLLEGE	**2**	**2**			**2**							**2**	
Automation	1	1			1							1	
Engineering Technology Support Specialist													
Pneumatics, Hydraulics & Motors for Manufacturing	1	1			1							1	
PENSACOLA STATE COLLEGE	**55**	**51**	**4**		**38**	**6**	**9**			**2**	**4**	**12**	**5**
CNC Composite Fabricator/Programmer	10	10			7	1	2					2	
CNC Machinist Operator/Programmer	14	14			10	2	2				1	3	
CNC Machinist/Fabricator	14	13	1		11	1	2				1	3	1
Electronics Aide	3	2	1		2					1	1		
Electronics Technician													
Engineering Technology Support Specialist	1	1			1								
Mechanical Designer and Programmer	13	11	2		7	2	3			1	1	4	3
POLK STATE COLLEGE	**34**	**29**	**5**		**18**	**2**	**12**	**1**		**1**	**1**	**6**	
Automation	1	1					1						
Engineering Technology Support Specialist	9	8	1		2	1	5			1		1	
Logistics and Transportation Specialist	10	6	4		8		2					3	
Mechatronics	1	1					1						
Pneumatics, Hydraulics & Motors for Manufacturing	13	13			8	1	3	1			1	2	
Santa Fe College	**1**		**1**		**1**								
Chemical Laboratory Specialist	1		1		1								
SEMINOLE STATE COLLEGE OF FLORIDA	**126**	**72**	**39**	**15**	**78**	**14**	**25**	**5**	**2**	**2**	**3**	**16**	*****
Alternative Energy Engineering Technology	1	1			1							1	*
Engineering Technology Support Specialist	44	25	9	10	26	3	11	3		1	2	1	
Industry Operations Specialist	70	36	29	5	47	8	11	1	1	2		11	*
Logistics and Transportation Specialist	8	7	1		2	2	3	1				2	
Mechatronics	3	3			3						1	1	*
SOUTH FLORIDA STATE COLLEGE	**1**	**1**			**1**							**1**	
Automation													
CNC Machinist/Fabricator													
Mechatronics	1	1			1							1	
ST. JOHNS RIVER STATE COLLEGE	**112**	**85**	**18**	**9**	**74**	**15**	**8**	**4**	**1**	**4**	**6**	**2**	**1**
Engineering Technology Support Specialist	104	77	18	9	69	13	8	4	1	3	6	1	
Logistics and Transportation Specialist													
Mechatronics	8	8			5	2					1	2	
ST. PETERSBURG COLLEGE	**39**	**33**	**4**	**2**	**32**	**3**	**2**	**1**		**1**	**3**	**8**	
Electronics Aide	3	3			1	1		1				1	
Engineering Technology Support Specialist	20	19	1		17	1	1			1	1	5	
Lean Six Sigma Green Belt Certificate	5	3	2		5						1	1	
Logistics and Transportation Specialist	2		1	1	2								
Mechatronics													
Rapid Prototyping Specialist	7	6		1	6		1					1	
Six Sigma Black Belt Certificate	2	2			1	1							1
STATE COLLEGE OF FLORIDA, MANATEE-SARAS	**63**	**35**	**28**		**22**	**2**	**10**	**1**		**2**	**26**	**4**	
Alternative Energy Engineering Technology	35	27	8		7		4			1	23	2	

Basic Electronics Technician	1	1			1									1	
Engineering Technology Support Specialist	8	5	3		3		3							2	
Lean Manufacturing	3	1	2		1		1					1		1	
Scientific Workplace Preparation	16	1	15		10	2	2		1				1		
TALLAHASSEE COMMUNITY COLLEGE	**11**	**11**			**6**	**5**							**1**	**1**	
Engineering Technology Support Specialist	5	5			3	2									
Pneumatics, Hydraulics & Motors for Manufacturing	6	6			3	3							1	1	
VALENCIA COLLEGE	**1,985**	**979**	**974**	**32**	**584**	**341**	**791**	**6**	**92**	**6**	**53**	**112**	**22**	**72**	
Basic Electronics Technician	23	19	3	1	6	6	8			1	2			2	
Electronics Technician	33	26	7		13	6	4		2		1	7	1		
Industry Operations Specialist	1,908	917	961	30	557	325	773	6	89	5	50	103	20	68	
Laser and Photonics Technician	15	11	3	1	6	3	3		1			2		2	
Rapid Prototyping Specialist	6	6			2	1	3						1		
Grand Total	**3,488**	**1,763**	**1,663**	**62**	**1,419**	**583**	**1,018**	**9**	**159**	**8**	**110**	**182**	**76**	**157**	**8**