

Florida Advanced Technological Education Center of Excellence



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2012-2017 Florida Engineering Technology (ET) and Related Program Student Enrollment and Completion

5-Year Trend Study

FLATE, a National Science Foundation Regional Center of Excellence, 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 PSAV level. 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 2016-17 FLDOE report year.

Section I: Florida Engineering Technology (ET) and Related AS Degree Program	

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I d. Engineering Technology and Related AS Degree Student Enrollment by Program

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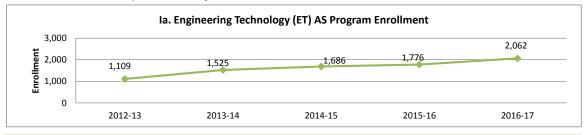
Section VI: Post-Secondary Adult Vocational (PSAV) Enrollments, OCP, and Completions

Appendix: Total ET & Related Technology Enrollment by College

Section I: Florida Engineering Technology (ET) and Related AS Degree Program Student Enrollment

I a. ET AS Degree Program Student Enrollment Excluding CCC	2012-13	2013-14	2014-15	2015-16	2016-17
ET AS Student Enrollment	1,109	1,525	1,686	1,776	2,062
Number of Colleges Adopting the ET Program*	14	15	19	19	19

*Out of Florida's 28 Community and State Colleges



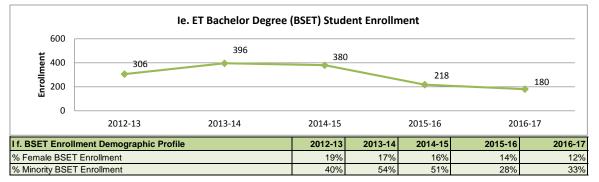
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I b. Related Techn Excluding ET Deg	2012-13	2013-14	2014-15	2015-16	2016-17		
CCC Programs			4,195	3,244	2,963	2,942	3,015
7,000 ¥	4.195	Ib. Related Technology (excludes ET &	•		ent		
5,000 — 3,000 —	4,195	3,244	2,963	1	2,942	3,0)15
1,000	2012-13	2013-14	2014-15		2015-16	201	6-17

In 2015-16 ET AS Degree program represented 38% of total Florida technology AS degree program enrollment (N=4,718). In 2016-17 ET AS Degree program represented 41% of total Florida technology AS degree program enrollment (N=5,054).

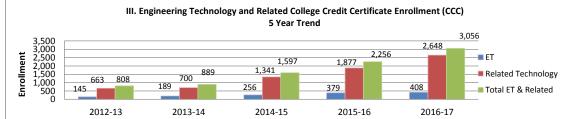
	2012-13	2013-14	2014-15	2015-16	2016-1
ET Technology Program % Female Enrollment	9%	10%	10%	12%	119
Related Technology Program % Female Enrollment	19%	16%	20%	24%	279
ET Technology Program % Minority Enrollment	41%	55%	47%	46%	479
Related Technology Program % Minority Enrollment	45%	50%	52%	49%	489
d. Engineering Technology and Related Technology Enrollment) Indicates number of colleges offering the program for the 2015			e certificates)	
ATC: Advanced Technology Credit for POST AA/AS degree stude		501.			
AS Degree Programs					
(19) Engineering Technology (ET) Degree Enrollment	1,109	1,525	1,686	1,776	2,06
Note - FLDOE does not provide ET enrollment by specialization.					
(1) Aerospace Technology	66	89	103	112	12
5) Biomedical Engineering Technology	380	242	201	183	20
3) Biomedical Egineering Technology ATC (added)					4
3) Chemical Technology	611	267	382	645	80
(11) Drafting & Design Technology	742	609	530	506	50
(1) Electrical Distribution Technology	31	35	31	27	3
(3) Electrical Power Technology	433	319	230	184	17
7) Electronics Engineering Technology	1,333	1,187	1,071	965	87
(15) Industrial Management Technology	542	459	399	294	23
(1) Manufacturing Technology	16	10	0	10	
(1) Simulation and Robotics Technology	27	19	16	16	
(1) Telecommunications Engieering (added)					
Total Degree Enrollment / ET and Related	5,290	4,761	4,649	4,718	5,05
I e. ET Bachelor Degree (BSET) Student Enrollment with #					
Offering Colleges Shown in ()	2012-13	2013-14	2014-15	2015-16	2016-1
Total BSET Enrollment Offering					
College & Program Name with Enrollment	610 (4)	675 (4)	567 (4)	538 (4)	486 (
Daytona State College* - Engineering Technology	306	396	380	218	18
State College of Florida** - Energy Technology Management	15	23	27	none repo	rted
Aiami Dade College - Electronics Engineering Technology	73	95	125	143	1
/alencia College - Electronics Engineering Technology	66	96	143	177	18

* Hybrid online program **Selected courses available online



Section II: F	Florida Engineering Techn	nology (ET) and Related	Degree Program St	tudent Comp	letion					
			2012-13	2013-14	2014-15	2015-16	2016-17			
l a. Engineer	ring Technology (ET) AS	Degree Program Comple	tion 83	80	110	none available	12			
150	lla	a. Engineering Techno	logy (ET) AS Pro	gram Com	pletions					
tu 100		83 80 110								
100 50		83	80							
50 Euro	32									
-										
	2011-12	2012-13	2013-14		2014-15	2015				
	Technology AS Degree C	· ·	2012-13	2013-14	2014-15	2015-16	2016-1			
Excludes ET	Degree and College CCC		531	422	346	none ava				
600	499	b. Related Technolog		gram Comp	Dietions					
400 au			422		346					
400 200										
ш _	2011 12	2012 12	2012 14		2014 15	2015	. 16			
	2011-12	2012-13	2013-14		2014-15		D-10			
	e ET AS Degree program r 2016-17 the ET AS Degree			S degree pro	gram complet	ions (N=456).				
ll c. Selected	Demographic Profile for	ET and Related Technol	ogy AS Degree Pro	ogram Comp	letion					
		and a face	2012-13	2013-14	2014-15	2015-16	2016-1			
	gy Program % Female Com nnology Program % Female	•	12%	17% 17%	7% 16%	none ava				
	gy Program % Minority Corr		33%	34%	36%	none ava				
	nology Program % Minority	•	30%	39%	51%	none ava				
	ring Technology and Rela		Degree Completion	on by Progra	m					
Does not inc AS Degree C	clude college credit certific	icates-CCC	2012-13	2013-14	2014-15	2015-16	2016-17			
Aerospace Te			9	13	18	none ava				
Biomedical E	ngineering Technology		53	38	27	none ava	ailable			
Biomedical E	quipment Technician (adde	ed)				none ava	ailable			
Chemical Tec	8,		34	23	21	none ava				
	egrated Manufacturing		2	2	0	none ava				
	esign Technology		90	79	60	none ava				
	tribution Technology wer Technology		3	2 49	2 29	none ava none ava				
	ngineering Technology		107	116	123	none ava				
Engineering	<u> </u>		83	80	110	none ava				
						2020				
	nagement Technology		134	141	98	none ava	ailable			
Manufacturing	nagement Technology g Technology		134 4	141 3	98 0	none ava				
							ailable			
Robotics & Si Telecommuni	g Technology imulation Technology ications Engineering Techn	nology (added)	4 7	3	0 2	none ava none ava none ava	ailable ailable ailable			
Robotics & Si Telecommuni Total College	g Technology imulation Technology ications Engineering Techn e Completion		4 7 531	3 2 548	0 2 490	none ava none ava none ava none ava	ailable ailable ailable illable			
Robotics & Si Telecommuni Total College II e. ET Bach	g Technology imulation Technology ications Engineering Techn e Completion helor Degree (BSET) Com		4 7 531 2012-13	3 2 548 2013-14	0 2 490 2014-15	none ava none ava none ava none ava 2015-16	ailable ailable ailable ailable 2016-1			
Robotics & Si Telecommuni Total College II e. ET Bach	g Technology imulation Technology ications Engineering Techn e Completion helor Degree (BSET) Com Completion	pletion	4 7 531 2012-13 67	3 2 548 2013-14 73	0 2 490 2014-15 65	none ava none ava none ava none ava	ailable ailable ailable ailable 2016-1			
Robotics & Si Telecommuni Total College II e. ET Bach Total BSET C	g Technology imulation Technology ications Engineering Techn e Completion helor Degree (BSET) Com Completion	upletion Ile. ET Bachelor Degr	4 7 531 2012-13 67	3 2 548 2013-14 73	0 2 490 2014-15 65	none ava none ava none ava none ava 2015-16	ailable ailable ailable ailable 2016-1			
Robotics & Si Telecommuni Total College II e. ET Bach Total BSET C	g Technology imulation Technology ications Engineering Techn e Completion helor Degree (BSET) Com Completion	pletion	4 7 531 2012-13 67	3 2 548 2013-14 73	0 2 490 2014-15 65	none ava none ava none ava none ava 2015-16 73	iilable iilable iilable 2016-1' 5			
Robotics & Si Telecommuni Total College II e. ET Bach Total BSET C	g Technology imulation Technology ications Engineering Techn e Completion helor Degree (BSET) Com Completion	upletion Ile. ET Bachelor Degr	4 7 531 2012-13 67 ee (BSET) Studer	3 2 548 2013-14 73	0 2 490 2014-15 65	none ava none ava none ava none ava 2015-16 73	ailable ailable ailable ailable 2016-1			
Robotics & Si Telecommuni Total College II e. ET Bach Total BSET C	g Technology imulation Technology ications Engineering Techn e Completion helor Degree (BSET) Com Completion	Ile. ET Bachelor Degra	4 7 531 2012-13 67 ee (BSET) Studer 65	3 2 548 2013-14 73	0 2 490 2014-15 65 ion 73	none ava none ava none ava 2015-16 73	iilable iilable iilable 2016-1 5			
Robotics & Si Telecommuni Total College II e. ET Bach Total BSET C 100 tune 50 0	g Technology imulation Technology ications Engineering Techn e Completion helor Degree (BSET) Com Completion	upletion Ile. ET Bachelor Degr	4 7 531 2012-13 67 ee (BSET) Studer 65 2014-15	3 2 548 2013-14 73 nt Complet	0 2 490 2014-15 65 ion 73 2015-16	none ava none ava none ava 2015-16 73 2016	iilable iilable iilable 2016-1 5 5 5-17			
Robotics & Si Telecommuni Total College II e. ET Bach Total BSET C 100 turne 50 0	g Technology imulation Technology ications Engineering Techn e Completion helor Degree (BSET) Com Completion	Ile. ET Bachelor Degra	4 7 531 2012-13 67 ee (BSET) Studer 65 2014-15 2014-15	3 2 548 2013-14 73 nt Complet 2013-14	0 2 490 2014-15 65 ion 73 2015-16 2014-15	none ava none ava none ava 2015-16 73 2016 2016	ailable ailable 2016-1' 5 557 5-17 2016-1'			
Robotics & Si Telecommuni Total College II e. ET Bach Total BSET C 50 0 II f. BSET De BSET % Fen	g Technology imulation Technology ications Engineering Techn e Completion helor Degree (BSET) Com Completion	Ile. ET Bachelor Degra	4 7 531 2012-13 67 ee (BSET) Studer 65 2014-15	3 2 548 2013-14 73 nt Complet	0 2 490 2014-15 65 ion 73 2015-16	none ava none ava none ava 2015-16 73 2016	ailable ailable ailable 2016-1 5 57			

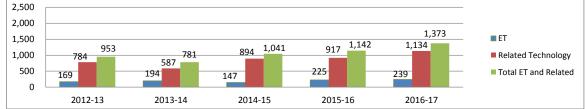
ET Program College Credit Certificate Enrollment (CCC)	2012-13	2013-14	2014-15	2015-16	2016-17
(3) CCC - Alternative Energy Systems Specialist	9	12	0	none reported	none reported
(1) CCC - Applied Technology Specialist	9	6	0	none reported	none reported
(5) CCC - Automation	7	9	10	17	32
(4) CCC - CNC Machinist	16	32	18	66	45
(2) CCC - CNC Machinist Operator/Programmer				none reported	none reported
(1) CCC - Composite Fabrication & Testing	7	4	0	none reported	none reported
(3) CCC - Computer- Aided Design & Drafting	14	21	19	31	36
(3) CCC - Electronics Aide	1	3	0	none reported	13
(17) CCC - Engineering Technology Support Specialist	36	33	105	129	133
(1) CCC - Lean Manufacturing	1	2	0	none reported	none reported
(2) CCC - Lean Six Sigma Green Belt	10	16	29	16	. 24
(3) CCC - Mechatronics				43	51
(1) CCC - Mechanical Designer and Programmer (added)				none reported	none reported
(1) CCC - Medical Quality Systems	3	16	14	10	none reported
(8) CCC - Pneumatics, Hydraulics & Motors for Manufacturing	5	21	48	40	47
(1) CCC - Rapid Prototyping Specialist (added)				27	27
(1) CCC - Six Sigma Black Belt	13	9	13	none reported	none reported
Total ET Program CCC Enrollment	131	184	256	379	408
Related Technology College Credit Certificate Enrollment by Pro	gram				
(3) CCC - Alternative Energy Engineering Technology	14	13	5	0	13
(13) CCC - AutoCAD foundations (added)					226
(3) CCC - Basic Electronics Technician	79	89	83	68	63
(2) CCC - Chemical Laboratory Specialist	30	52	58	65	54
(1) CCC - Computer Automation Technology (added)					none reported
(1) CCC - Computerized Woodworking	1	1	0	0	0
(1) CCC - Digital Manufacturing Specialist (added)					none reported
(1) CCC - Electrical Distribution, Advanced	6	4	3	0	none reported
(1) CCC - Electrical Distribution, Basic	22	26	29	34	21
(4) CCC - Electronics Technician	17	22	16	41	96
(3) CCC - Laser and Photonics Technician	12	15	17	34	25
(10) CCC - Logistics & Transportation Specialist (added)	40	248	152 0	92	553
(3) CCC - Robotics and Simulation Technology (added)	2	0	•	0	27
(3) CCC - Scientific Workplace Prep	1	21	159	803	1558
(1) CCC - Solar Energy Technician (added)	224	491	522	1137	12
Related Technology CCC Enrollment	224	491	522	1137	2,648



III. ET & Related College Credit Certificate (CCC) Enrollment Demographic Profile	2012-13	2013-14	2014-15	2015-16	2016-17				
% ET & Related CCC Female Enrollment	29%	33%	52%	55%	55%				
% ET & Related CCC Minority Enrollment	52%	44%	47%	50%	53%				
Growth to 55 in % female enrollment in 2016-17 is primarily attributed to 1,203 females enrolled in Scientific Workplace & 81 in Logistics and Transportation Specialist at FL State College at Jacksonville. Section IV: Florida ET and Related College Credit Certificate (CCC) Student Completion by Program									
ET Certificate Student Completion by Program	2012-13	2013-14	2014-15	2015-16	2016-17				
(3) CCC - Alternative Energy Systems Specialist	9	9	0	none reported	none reported				
(1) CCC - Applied Technology Specialist	7	8	0	0	none reported				
(5) CCC - Automation	7	8	2	0	1(
(4) CCC - CNC Machinist	21	33	8	29	18				
(2) CCC - CNC Machinist Operator/Programmer (added)				none reported	none reported				
(1) CCC - Composite Fabrication & Testing	12	5	0	0	2				
(3) CCC - Computer Aided Design & Drafting	3	8	5	10	1:				
(3) CCC - Computer Aided Design & Draiting									

ET Certificate Student Completion by Program (Cont.)	2012-13	2013-14	2014-15	2015-16	2016-17
(17) CCC - Engineering Technology Support Specialist	43	61	93	72	96
(1) CCC - Lean Manufacturing	1	4	0	3	none reported
(2) CCC - Lean Six Sigma Green Belt	1	4	0	27	24
(3) CCC - Mechatronics (added)	28	27	23	20	18
(1) CCC - Mechanical Designer and Programmer (added)				0	none reported
(1) CCC - Medical Quality Systems	28	27	23	8	none reported
(8) CCC - Pneumatics, Hydraulics & Motors for Manufacturing	6	22	25	21	19
(1) CCC - Rapid Prototyping Specialist (added)				28	23
(1) CCC - Six Sigma Black Belt	21	10	16	0	none reported
Total ET Certificate Completion by Program	172	231	179	222	239
Related Technology Program Certificate Completion	2012-13	2013-14	2014-15	2015-16	2016-17
(2) CCC - Alternative Energy Engineering Technology	4	4	0	3	3
(13) CCC - AutoCAD foundations (added)	419	211	183	137	130
(3) CCC - Basic Electronics Technician	78	102	57	61	51
(2) CCC - Chemical Laboratory Specialist	12	32	31	24	13
(1) CCC - Computer Automation Technology (added)				none reported	none reported
(1) CCC - Computerized Woodworking	7	2	0	8	5
(1) CCC - Digital Manufacturing Specialist (added)				none reported	none reported
(1) CCC - Electrical Distribution, Advanced	1	1	0	5	none reported
(1) CCC - Electrical Distribution, Basic	1	2	12	3	5
(4) CCC - Electronics Technician	10	25	15	33	55
(3) CCC - Laser and Photonics Technician	13	20	31	17	24
(10) CCC - Logistics & Transportation Specialist (added)	203	126	39	47	90
(3) CCC - Robotics and Simulation Technology (added)	0	0	0	7	20
(3) CCC - Scientific Workplace Prep	36	37	491	575	727
(1) CCC - Solar Energy Technician (added)					11
Related Technology Program Certificate (CCC) Completion	333	386	859	917	1,134
Total Certificate Completion ET & Related CCC	461	529	953	781	1,373

IV. Engineering Technology and Related College Credit Certificate (CCC) Completions 5 Year Trend



ET & Related College Credit Certificate Completion Demographic					
Profile	2012-13	2013-14	2014-15	2015-16	2016-17
% ET & Related CCC Female Completion	34%	25%	49%	52%	53%
% ET & Related CCC Minority Completion	61%	50%	42%	46%	99%

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

V a. Total Secondary Student Enrollment and Graduation - 5 Year Trend								
For 2016-17 report, five secondary programs were added	2012-13	2013-14	2014-15	2015-16	2016-17			
Number of Secondary Technology Programs Offered	654	647	613	587	832			
Total Secondary Technology Student Course Enrollment	23,807	23,292	21,449	21,298	33,134			
Total Secondary Technology Student Program Graduates 3,529 3,384 3,266 3,269 5,0								

Va. Secondary Student Enrollment and Graduation in
Florida Technology Programs

40,000 —		Florida T	echnology Progra	ims		
30,000	23,807	23,292	21,449	21,298	33,134	Secondary Tech Student Course Enrollment
10,000 -	3,529	3,384	3,266	3269	5,058	Secondary Tech Student Program Graduates
- 1	2012-13	2013-14	2014-15	2015-16	2016-17	

V b. Secondary Student Enrollment by Technology Program					
Program Title	2012-13	2013-14	2014-15	2015-16	2016-17
Applied Engineering Technology (added)					6079
Applied Robotics (added)					3533
Applied Welding Technologies	1,116	1,495	1,488	808	368
Automation & Production Technology (FLDOE adopted 2010)	186	336	494	686	1,178
Drafting/Illustrative Design Technology (added)					574

Program Title (Cont.)	2012-13	2013-14	2014-15	2015-16	2016-17
Electronic Technology	383	301	244	431	80
Energy Technician (added)					340
Engineering Assisting	97	113	73	64	14
Engineering Pathways	9,669	10,682	11,648	13,421	15,640
Engineering Technology (Secondary)	7,329	6,050	3,831	1,793	669
Industrial Biotechnology	336	508	694	1,036	1,356
Machining	157	172	280	214	114
Materials and Processes Technology	1,964	1,694	1,466	1,583	1,576
Power and Energy Technology (added)					32
Production Technology	2,081	1,373	877	1,008	818
Solar Energy Technology (FLDOE adopted 2011)	66	1,373	68	1,000	38
		-			
Technology Systems	222	211	28	132	297
Total Secondary Student Course Enrollment	22,490	21,558	19,703	20,490	33,134
V c. Secondary Level Technology Student Graduates by Techno	logy Program				
Program Title	2012-13	2013-14	2014-15	2015-16	2016-17
Applied Engineering Technology (added)					606
Applied Robotics (added)					460
Applied Welding Technologies	731	254	266	212	96
Automation & Production Technology	114	49	63	64	168
Drafting/Illustrative Design Technology (added)					146
Electronic Technology	121	49	36	62	13
Energy Technician (added)					67
Engineering Assisting	14	26	18	14	35
Engineering Pathways	940	1,500	1,665	1,788	2,333
Engineering Technology (Secondary)	933	652	505	295	182
Industrial Biotechnology	69	78	88	123	239
Machining	58	11	38	38	22
Materials and Processes Technology	171	347	261	374	320
Power and Energy Technology (added)		0.1		5.1	43
Production Technology	301	304	247	279	313
Solar Energy Technology (FLDOE adopted 2011)	*	31	14	20	2
Technology Systems	35	15		none reported	7
Total Secondary Student Technology Program Graduates	2,756	3,062	2,935	3,057	5,058
	2,750	3,002	2,333	3,037	3,030
Programs including Internships				0015 10	
	2012-13	2013-14	2014-15	2015-16	2016-17
% Female Students of Total Secondary Enrollment	16%	15%	18%	19%	20%
% Minority Students of Total Secondary Enrollment	49%	48%	48%	51%	52%
% Female Students of Total Secondary Graduates	17%	16%	18%	19%	48%
% Minority Students of Total Secondary Graduates	49%	48%	49%	52%	80%
Secondary Technology Program Internships	2012-13	2013-14	2014-15	2015-16	2016-17
Total Number of Internships*	6	0	8	20	34
Number of Females Placed in Internships	0	0	2	4	8
Number of Males Placed in Internships	6	0	6	16	26
% Females for Total Placed in Internships	0%	0%	25%	20%	24%
% Minorities Placed in Internships	83% (n=5)	0%	75% (n=6)	35% (n=7)	62%
			, ,	· · /	
VI. Post-Secondary Adult Vocational (PSAV) Enrollments, OCP,					
and Completions		0040.44	0011.15	0045.40	0040.47
PSAV FLDOE Categories	2012-13	2013-14	2014-15	2015-16	2016-17
Enrollment	1,475	1,639	1,773	2,358	1,40
Occupational Completion Point (OCP) Earners	2,392	2,617	2,953	2,470	1,090
Full Program Completer		-			
	525	596	457	352	106
Number of Programs Offered	6	8	5	14	18
Number of Participating Institutions	35	33	35	32	30
Total Industry Certificaton - MCCS Taken (added)					11
Total Industry Certificaton - MCCS Passed (added)					1'
PSAV Enr	ollment by Program	m			
Program Title	2012-13	2013-14	2014-15	2015-16	2016-17
Applied Welding Technologies	1,248	1,335	1,492	842	19
Applied Weiding Technologies Automation & Production Technology	0	1,335	1,492	11	13
	0	2	0	11	
CWE - Engineering and Technology (added)					none reported
CWE-Manufacturing (added)				20	none reported
CWE-Transportation, Disribition & Logistics (added)				691	547
Electrical & Instrumentation Technology 1 & 2	0	34	0	29	31
Electronic Technology 1 & 2	4	2	0	331	200
Energy Technician				40	27
Industrial Machinery Maintenance & Repair	44	39	38	10	
	9	39	38 14	10	
	9				none reported
Industrial Technology	405	212	229	163	134
Industrial Technology Machining - APR	165				12
Industrial Technology	165				
Industrial Technology Machining - APR	165			151	
Industrial Technology Machining - APR Manufacturing Cooperative Education-OJT (added) Sheet Metal Fabrication Technology - APR (added)					14
Industrial Technology Machining - APR Manufacturing Cooperative Education-OJT (added) Sheet Metal Fabrication Technology - APR (added) Solar Photovoltaic Syst Desing, Inst, Maint-Entry Level	0	6	0	28	14 [.] 63
Industrial Technology Machining - APR Manufacturing Cooperative Education-OJT (added) Sheet Metal Fabrication Technology - APR (added)			0		14

Appendix: Total ET & Related Technology Enrollment by College Includes Total Student Enrollment by College for ET and Related Technology AS Degrees and ET and Related College Credit Certificates					
Source: FLDOE College Credit Student Data Base	,				
Highlight indicates adoption of ET Degree	2012-13	2013-14	2014-15	2015-16	2016-17
Broward College	346	361	417	429	608
College of Central Florida	85	65	44	52	94
Chipola College (added 2015 adoption)	0	0	0	23	29
Daytona State College	152	147	155	248	125
Eastern Florida State College	1003	835	921	1132	1165
Florida Gateway College	20	30	19	37	59
Florida SouthWestern Florida State College (Formerly Edison)	123	63	23	none reported	none reported
Florida State College at Jacksonville	574	581	1276	1959	2256
Gulf Coast State College	108	114	123	113	85
Hillsborough Community College	324	319	325	546	435
Indian River State College	335	281	282	204	282
Lake Sumter State College (added 2015 adoption)	58	58	65	64	111
Miami Dade College	498	408	364	624	258
Northwest Florida State College	229	172	146	247	179
Palm Beach State College (added 2015 adoption)	182	158	156	182	246
Pasco-Hernando State College (added 2015 adoption)	65	64	63	105	137
Pensacola State College	275	259	170	141	151
Polk State College	137	187	165	224	213
St. Johns River State College	27	26	15	68	11
St. Petersburg College	313	362	434	461	507
Santa Fe College	132	78	80	93	112
Seminole State College	51	56	78	74	214
South Florida Community College	33	15	0	31	17
State College of Florida Manatee-Sarasota	153	154	122	98	89
Tallahassee Community College	137	102	73	71	87
Valencia Community College	752	763	730	795	663
Total Enrollment for all Institutions*	6,112	5,658	6,246	8,021	8,133

*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. Certificates refer to College Credit Certificates (CCC).

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5-Year Enrollment Breakout for Colleges Adoptin	ing the Engineering Technology (ET) Degree Program				
College Name and Enrollment Type	2012-13	2013-14	2014-15	2015-16	2016-17
Broward College (BC) Adopted ET 2012					
	4.47	074	207	250	224
ET AS Degree Enrollment	147	271	327	259	334
ET Certificate Enrollment	3	0	30	20	36
Related AS Degree Enrollment	181	75	41	123	24
Related Certificate Enrollment	15	15	19 417	27	214
Total College of Central Florida (CCF) Adopted ET 2008	346	361	417	429	608
ET AS Degree Enrollment	56	48	44	52	94
ET Certificate Enrollment	1	-+0	-+4	na	na
Related AS Degree Enrollment	28	14	0	na	na
Related Certificate Enrollment	0	0	0	na	na
Total	85	65	44	52	94
Chipola College (CC) Adopted ET 2016					
ET AS Degree Enrollment				23	29
ET Certificate Enrollment				na	na
Related AS Degree Enrollment				na	na
Related Certificate Enrollment				na	na
Total				23	29
Daytona State College (DSC) Adopted ET 2012					
ET AS Degree Enrollment		na			27
ET Certificate Enrollment				na	na
Related AS Degree Enrollment	147	134	141	236	86
Related Certificate Enrollment	5	13	14	12	12
Total	152	147	155	248	125
Eastern Florida State College (EFSC) Adopted ET 2008					
ET AS Degree Enrollment	174	198	172	157	165
The second se					
ET Certificate Enrollment	32	30	10	19	20
Related AS Degree Enrollment	750	443	568	825	871
Related Certificate Enrollment	47	164	171	131	109
Total	0	835	921	1132	1,165
Florida State College at Jax (FSCJ) Adopted ET 2009					
ET AS Degree Enrollment	84	136	141	150	145
ET Certificate Enrollment	15	166	121	152	189
Related AS Degree Enrollment	196	208	203	300	134
Total					
Florida Gateway College (FGC) Adopted ET 2009					
ET AS Degree Enrollment	8	20	19	18	24
ET Certificate Enrollment	5	2	0	*	12
Related AS Degree Enrollment	1	0	0	19	23
Related Certificate Enrollment	6	8	0	*	na
Total	20	30	19	37	59
Gulf Coast State College (GCSC) Adopted ET 2012			10.1	1.10	
ET AS Degree Enrollment	+	51	104	113	85
ET Certificate Enrollment	2	1	0	*	na
Related AS Degree Enrollment	101	57	19	*	na
Related Certificate Enrollment	5	5	0	*	na
Total	108	114	123	113	85
Hillsborough Community College (HCC) Adopted ET 2008					
ET AS Degree Enrollment	73	105	130	155	143
ET Certificate Enrollment	11	11	0	none reported	13
Related AS Degree Enrollment	201	168	130	294	171
	39	35	65	97	108
Related Certificate Enrollment					282
Related Certificate Enrollment Total					
Total Lake Sumter State College Adopted ET 2015					
Total Lake Sumter State College Adopted ET 2015 ET AS Degree Enrollment	not y	vet reported			47
Total Lake Sumter State College Adopted ET 2015 ET AS Degree Enrollment ET Certificate Enrollment	not y	vet reported			13
Total Lake Sumter State College Adopted ET 2015 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment	not y	yet reported	31	27	13 30
Total Lake Sumter State College Adopted ET 2015 ET AS Degree Enrollment ET Certificate Enrollment	not y	yet reported	31 34 0	27 37 0	13

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College Name and Enrollment Type continued	2011-12	2012-13	2013-14	2014-15	2015-16
Northwest Florida State College (NWFSC) Adopted ET 2012	2011-12	2012-13	2013-14	2014-13	2013-10
ET AS Degree Enrollment	67	72	135	135	141
ET Certificate Enrollment	7	0	29	29	na
Related AS Degree Enrollment	96	74	83	83	38
Related Certificate Enrollment	2	0	*	*	na
Total	172	146	247	247	179
Palm Beach State College (PBSC) Adopted ET 2015					
ET AS Degree Enrollment				33	113
ET Certificate Enrollment				none reported	na
Related AS Degree Enrollment			156	149	120
Related Certificate Enrollment				none reported	13
Total	182	158	156	182	246
Pasco-Hernando State College (PHSC) Adopted ET 2015		· · ·			
ET AS Degree Enrollment				44	74
ET Certificate Enrollment				*	na
Related AS Degree Enrollment			63	61	63
Related Certificate Enrollment				*	na
Total	65	64	63	105	137
Pensacola State College (PSC) Adopted ET 2008					
ET AS Degree Enrollment	75	77	78	69	72
ET Certificate Enrollment	14	12	0	0	na
Related AS Degree Enrollment	180	164	92	72	79
Related Certificate Enrollment	6	6	0	0	0
Total	275	259	170	141	151
Polk State College (PSC) Adopted ET 2009		r	r		
ET AS Degree Enrollment	118	168	165	140	143
ET Certificate Enrollment		0	0	*	17
Related AS Degree Enrollment	19	19	0	84	na
Related Certificate Enrollment		0	0	*	53
Total	132	78	80	93	112
State College of Florida Manatee-Venice (SCF) Adopted ET 2009		r	r		
ET AS Degree Enrollment	148	146	145	122	89
ET Certificate Enrollment		1	2	0	na
Related AS Degree Enrollment	23	6	3		na
Related Certificate Enrollment			4	0	^
Total	171	153	154	122	89
Seminole State College (SSC) Adopted ET 2014	171	153	154	122	
	171	153	154	122	89 24 na
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment	171	153	37	122 28	24
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment	171	153	37 19		24 na 154 36
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total	171 	153	37	28	24 na 154
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added	171		37 19		24 na 154 36 214
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment			37 19		24 na 154 36 214 na
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment			37 19		24 na 154 36 214 na na
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment			37 19		24 na 154 36 214
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment			37 19		24 na 154 36 214 na na
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment			37 19		24 na 154 36 214
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment	160	183	37 19 56 221	28 50 78	24 na 154 36 214 na na 17 11 258
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET Certificate Enrollment	160 32	183 46	37 19 56 221 66	28 50 78 265 95	24 na 154 36 214
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET Certificate Enrollment ET AS Degree Enrollment ET AS Degree Enrollment ET AS Degree Enrollment	160 32 93	183	37 19 56 221 66 75	28 50 78 265 95 74	24 na 154 36 214 na na 17 11 258 98 151
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment ET AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment		183 46 84	37 19 56 221 66 75 0	28 50 78 265 95 74 0	24 na 154 36 214 na na na 17 11 258 98 98 151 na
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment	160 32 93	183 46	37 19 56 221 66 75	28 50 78 265 95 74	24 na 154 36 214 na na 17 11 258 98 151
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment		183 46 84	37 19 56 221 66 75 0	28 50 78 265 95 74 0	24 na 154 36 214 na na na 17 11 258 98 98 151 na
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment ET AS Degree Enrollment	160 32 93 7 292	183 46 84 313	221 66 75 0 362 18 5	28 50 78 265 95 74 0 434 47 0	24 na 154 36 214 na na 17 11 258 98 151 na 507 55 na
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment Total Tallahassee Community College (TCC) Adopted ET 2011 ET AS Degree Enrollment ET AS Degree Enrollment ET Certificate Enrollment ET certificate Enrollment ET AS Degree Enrollment ET AS Degree Enrollment	160 32 93 7 292 4 4 150	183 46 84 313 1 128	221 66 75 0 362 18 5 74	28 50 78 265 95 74 0 434 47 0 26	24 na 154 36 214 na na na 17 11 258 98 151 11 a 507 55 na 19
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Total Tallahassee Community College (TCC) Adopted ET 2011 ET AS Degree Enrollment ET AS Degree Enrollment Related AS Degre	160 32 93 7 292 4 150 1	183 46 84 313 1 128 8	221 66 75 0 362 18 5 74 5	28 50 78 265 95 74 0 434 47 0 266 0	24 na 154 214 na na na na 17 11 258 98 151 na 507 55 na 19 13
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment Total Tallahassee Community College (TCC) Adopted ET 2011 ET AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment	160 32 93 7 292 4 4 150	183 46 84 313 1 128	221 66 75 0 362 18 5 74	28 50 78 265 95 74 0 434 47 0 26	24 na 154 36 214 na na na 17 11 258 98 151 11 a 507 55 na 19
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment Related AS Degree Enrollment ET Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment ET Certificate Enrollment Related Certificate Enrollment ET Certificate Enrollment Related AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment	160 32 93 7 292 4 150 1	183 46 84 313 1 128 8	221 66 75 0 362 18 5 74 5	28 50 78 265 95 74 0 434 47 0 266 0	24 na 154 36 214 na na na 17 11 258 98 151 na 507 55 na 19 19 13 87
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment ET Certificate Enrollment Related Certificate Enrollment ET Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment	160 32 93 7 292 4 150 1	183 46 84 313 1 128 8	221 66 75 0 362 18 5 74 5	28 50 78 265 95 74 0 434 47 0 266 0	24 na 154 36 214 na na 17 11 258 98 151 na 507 55 na 19 19 13 87 7
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment ET Certificate Enrollment ET Certificate Enrollment ET AS Degree Enrollment ET AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment Related Certificate Enrollment Total Tallahassee Community College (TCC) Adopted ET 2011 ET AS Degree Enrollment Related AS Degree Enrollment ET AS Degree Enrollment ET AS Degree Enrollment Related AS Degree Enrollment ET AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment ET AS Degree Enrollment ET AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment	160 32 93 7 292 4 150 1	183 46 84 313 1 128 8	221 66 75 0 362 18 5 74 5	28 50 78 265 95 74 0 434 47 0 266 0	24 na 154 214 na na na na 17 11 258 98 151 na 507 55 na 19 13 87 19 13 87 19
Seminole State College (SSC) Adopted ET 2014 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Total South Florida State College (SFSC) - added ET AS Degree Enrollment Related Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Total St. Petersburg College (SPC) Adopted ET 2008 ET AS Degree Enrollment ET Certificate Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related Certificate Enrollment Related Certificate Enrollment Total Tallahassee Community College (TCC) Adopted ET 2011 ET AS Degree Enrollment ET AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment Related AS Degree Enrollment ET AS Degree Enrollment Related AS Degree Enrollment ET AS Degree Enrollment Total <	160 32 93 7 292 4 150 1	183 46 84 313 1 128 8	221 66 75 0 362 18 5 74 5	28 50 78 265 95 74 0 434 47 0 266 0	24 na 154 36 214