



**2010-2015 Florida Engineering Technology 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 new program titles are added. This review contains six sections and an appendix with individual ET adopting college performance, and presents a 5-year trend study which includes the 2014-15 FLDOE report year.

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

- I a. Engineering Technology AS Degree Program Student Enrollment - 5 Year Trend
- I b. Related Technology AS Degree Program Student Enrollment (excludes ET) - 5 Year Trend
- I c. Selected Demographic Profile for ET and Related AS Technology Program Student Enrollment
- I d. Engineering Technology and Related AS Degree Student Enrollment by Program
- I e. Engineering Technology and Related BS Degree Student Enrollment by Program
- I f. Selected Demographic Profile for ET and Related BS Degree Student Enrollment

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

- II a. Engineering Technology AS Degree Program Completion - 5 Year Trend
- II b. Related Technology AS Degree Program Completion (excludes ET) - 5 Year Trend
- II c. Selected Demographic Profile for ET and Related AS Technology Program Student Completion
- II d. Engineering Technology and Related AS Degree Student Completion by Program
- II e. Engineering Technology and Related BS Degree Student Completion by Program
- II f. Selected Demographic Profile for ET and Related BS Degree Student Completion

Section III: Florida ET and Related Technology College Credit Certificate Student Enrollment by Program

Section IV: Florida ET and Related College Credit Certificate Student Completion by Program

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

- V a. Total Secondary Student Enrollment and Graduation - 5 Year Trend
- V b. Secondary Student Enrollment by Technology Program
- V c. Secondary Student Graduation by Technology Program
- V d. Selected Secondary Level Technology Program Demographics including Internships

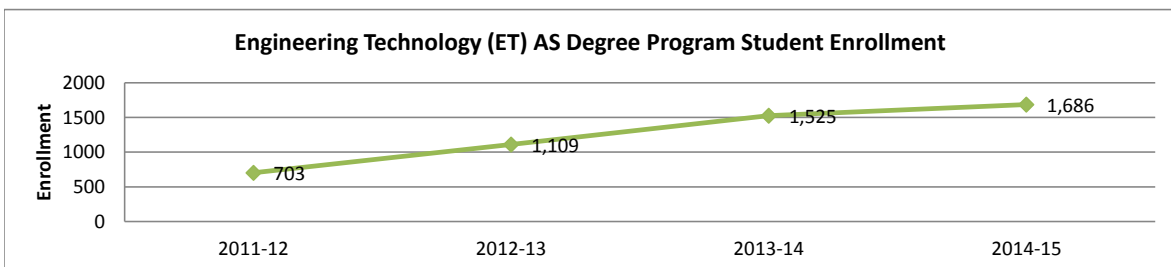
Section VI: Post-Secondary Adult Vocational (PSAV) Enrollments, OCP, and Completions

Appendix: Total ET & Related Technology Enrollment by College

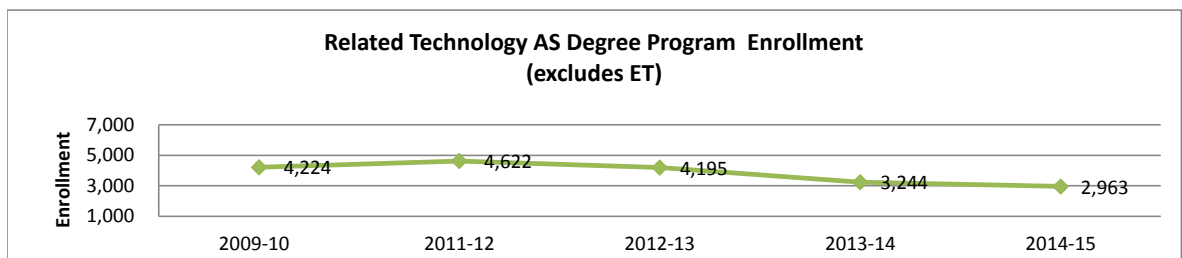
Section I: Florida Engineering Technology (ET) and Related AS Degree Program Student Enrollment

| I a. Engineering Technology (ET) AS Degree Program Student Enrollment | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|--|---------|---------|---------|---------|---------|
| Engineering Technology (ET) AS Student Enrollment | 603 | 703 | 1,109 | 1,525 | 1,686 |
| Number of Colleges Adopting the ET Program* | 10 | 14 | 14 | 15 | 19 |

*Out of Florida's 28 Community and State Colleges



| I b. Related Technology AS Degree Program Student Enrollment Excluding ET Degree and College Credit Certificate Programs | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|--|---------|---------|---------|---------|---------|
| | 5,168 | 4,622 | 4,195 | 3,244 | 2,963 |



In 2012-13 ET AS Degree program represented 21% of total Florida technology AS degree program enrollment (N=5,304).

In 2013-14 ET AS Degree program represented 32% of total Florida technology AS degree program enrollment (N=4,769).

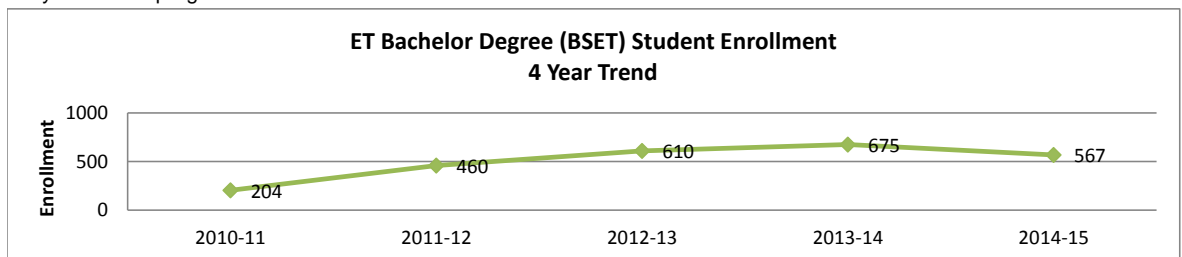
In 2014-15 ET AS Degree program represented 36% of total Florida technology AS degree program enrollment (N=4,649).

| I c. Selected Demographic Profile for ET and Related Technology AS Degree Program Enrolled Students | | | | | |
|---|---------|---------|---------|---------|---------|
| | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| ET Technology Program % Female Enrollment | 15% | 11% | 9% | 10% | 10% |
| Related Technology Program % Female Enrollment | 24% | 22% | 19% | 16% | 20% |
| ET Technology Program % Minority Enrollment | 34% | 37% | 41% | 55% | 47% |
| Related Technology Program % Minority Enrollment | 40% | 45% | 45% | 50% | 52% |

| I d. Engineering Technology and Related Technology Enrollment by Program (does not include certificates) () Indicates number of colleges offering the program for the 2014-15 Academic Year | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|
| AS Degree Programs | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| (13) Engineering Technology (ET) Degree Enrollment | 603 | 703 | 1,109 | 1,525 | 1,686 |
| Note - FLDOE does not provide ET enrollment by specialization. | | | | | |
| (1) Aerospace Technology | 67 | 55 | 66 | 89 | 103 |
| (5) Biomedical Engineering Technology | 466 | 450 | 380 | 242 | 201 |
| (1) Chemical Technology | 646 | 655 | 611 | 267 | 382 |
| (0) Computer Integrated Manufacturing | 58 | 30 | 11 | 7 | 0 |
| (15) Drafting & Design Technology | 1,148 | 974 | 742 | 609 | 530 |
| (3) Electrical Distribution Technology | 41 | 45 | 31 | 35 | 31 |
| (3) Electrical Power Technology | 335 | 406 | 433 | 319 | 230 |
| (11) Electronics Engineering Technology | 1,348 | 1,346 | 1,333 | 1,187 | 1,071 |
| (15) Industrial Management Technology | 805 | 621 | 542 | 459 | 399 |
| (1) Manufacturing Technology | 33 | 24 | 16 | 10 | 0 |
| (1) Simulation and Robotics Technology | 29 | 30 | 27 | 19 | 16 |
| (0) Supply Chain Management | 9 | 6 | 3 | 1 | 0 |
| Total Degree Enrollment / ET and Related | 4,714 | 5,588 | 5,304 | 4,769 | 4,649 |

| I e. ET Bachelor Degree (BSET) Student Enrollment with # Offering Colleges Shown in () | | | | | |
|---|---------------|---------|---------|---------|---------|
| | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| Total BSET Enrollment | 204 (2) | 460 (4) | 610 (4) | 675 (4) | 567 (4) |
| Offering College & Program Name with Enrollment | | | | | |
| Daytona State College* - Engineering Technology | 165 | 306 | 396 | 380 | 266 |
| State College of Florida** - Energy Technology Management | none reported | 15 | 23 | 27 | 22 |
| Miami Dade College - Electronics Engineering Technology | 39 | 73 | 95 | 125 | 127 |
| Valencia College - Electronics Engineering Technology | none reported | 66 | 96 | 143 | 152 |

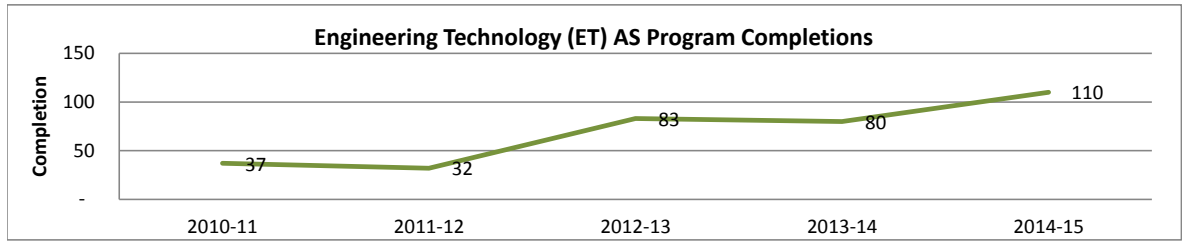
* Hybrid online program **Selected courses available online



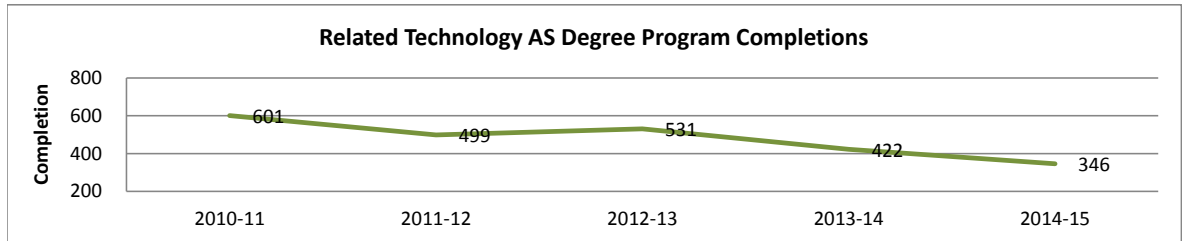
| I f. BSET Enrollment Demographic Profile | | | | | |
|--|---------|---------|---------|---------|---------|
| | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| % Female BSET Enrollment | 13% | 15% | 19% | 17% | 16% |
| % Minority BSET Enrollment | 38% | 38% | 40% | 54% | 51% |

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

| II a. Engineering Technology (ET) AS Degree Program Completion | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|----------------|----------------|----------------|----------------|----------------|
| | 37 | 32 | 83 | 80 | 110 |



| II b. Related Technology AS Degree Completion Excludes ET Degree and College Credit Certificate Programs | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|----------------|----------------|----------------|----------------|----------------|
| | 601 | 499 | 531 | 422 | 346 |

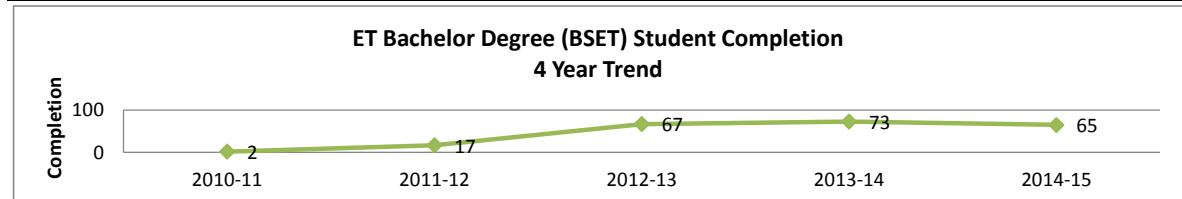


In 2012-13 the ET AS Degree program represented 13.5 % of total Florida technology AS degree program completions (N=614).
 In 2013-14 the ET AS Degree program represented 16 % of total Florida technology AS degree program completions (N=502).
 In 2014-15 the ET AS Degree program represented 24 % of total Florida technology AS degree program completions (N=456).

| II c. Selected Demographic Profile for ET and Related Technology AS Degree Program Completion | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|
| | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| ET Technology Program % Female Completion | 16% | 12% | 12% | 17% | 7% |
| Related Technology Program % Female Completion | 19% | 18% | 19% | 17% | 16% |
| ET Technology Program % Minority Completion | 30% | 31% | 33% | 34% | 36% |
| Related Technology Program % Minority Completion | 35% | 39% | 30% | 39% | 51% |

| II d. Engineering Technology and Related Technology College Degree Completion by Program (does not include college credit certificates) | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|
| AS Degree Completion | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| Aerospace Technology | 18 | 8 | 9 | 13 | 18 |
| Biomedical Engineering Technology | 35 | 31 | 53 | 38 | 27 |
| Chemical Technology | 34 | 37 | 34 | 23 | 21 |
| Computer Integrated Manufacturing | 5 | 4 | 2 | 2 | 0 |
| Drafting & Design Technology | 132 | 102 | 90 | 79 | 60 |
| Electrical Distribution Technology | 1 | 3 | 3 | 2 | 2 |
| Electrical Power Technology | 45 | 69 | 87 | 49 | 29 |
| Electronics Engineering Technology | 123 | 100 | 107 | 116 | 123 |
| Engineering Technology | 37 | 32 | 83 | 80 | 110 |
| Industrial Management Technology | 199 | 134 | 141 | 98 | 63 |
| Manufacturing Technology | 5 | 4 | 3 | 0 | 0 |
| Simulation & Robotics Technology | 4 | 7 | 2 | 2 | 3 |
| Supply Chain Management | 0 | 0 | 0 | 0 | 0 |
| Total College Completion | 638 | 531 | 614 | 502 | 456 |

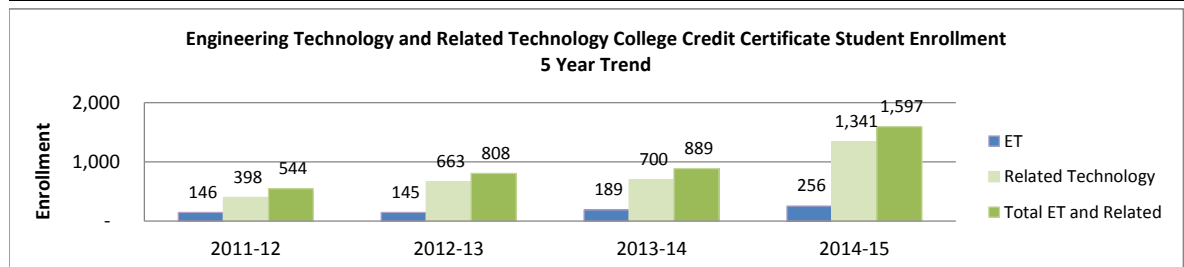
| II e. ET Bachelor Degree (BSET) Completion | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|----------------|----------------|----------------|----------------|----------------|
| Total BSET Completion | 2 | 17 | 67 | 73 | 65 |



| II f. BSET Demographic Profile | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|----------------|----------------|----------------|----------------|----------------|
| BSET % Female Completion | 0% | **6% | 13% | 17% | 20% |
| BSET % Minority Completion | *100% | 0% | 66% | 36% | 46% |
| * ** Small numbers such as n=1 or n=2 skew percentage relevance | 3 *n=2 | **n=1 | | | |

Section III: Florida ET and Related College Credit Certificate (CCC) Student Enrollment by Program

| ET Program College Credit Certificate Enrollment | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|--|----------------|----------------|----------------|----------------|----------------|
| (3) CCC - Alternative Energy Engineering Technology (new) | 7 | 14 | 13 | 5 | 0 |
| (3) CCC - Alternative Energy Systems Specialist (new) | 10 | 20 | 9 | 12 | 0 |
| (1) CCC - Applied Technology Specialist | 12 | 15 | 9 | 6 | 0 |
| (3) CCC - Automation | 5 | 2 | 7 | 9 | 10 |
| (4) CCC - CNC Machinist | 12 | 16 | 16 | 32 | 18 |
| (1) CCC - Composite Fabrication & Testing (new) | 1 | 11 | 7 | 4 | 0 |
| (3) CCC - Computer Aided Design & Drafting (new) | | 2 | 14 | 21 | 19 |
| (1) CCC - Computerized Woodworking | 0 | 1 | 1 | 0 | 0 |
| (4) CCC - Electronics Aide | | 2 | 1 | 3 | 0 |
| (11) CCC - Engineering Technology Support Specialist | 16 | 28 | 36 | 33 | 105 |
| (2) CCC - Lean Manufacturing | 1 | 1 | 1 | 2 | 0 |
| (2) CCC - Lean Six Sigma Green Belt | 21 | 13 | 10 | 16 | 29 |
| (1) CCC - Medical Quality Systems (new) | | 4 | 3 | 16 | 14 |
| (4) CCC - Pneumatics, Hydraulics & Motors for Manufacturing (new) | | 3 | 5 | 21 | 48 |
| (1) CCC - Six Sigma Black Belt | 11 | 14 | 13 | 9 | 13 |
| Total ET Program College Credit Certificate Enrollment | 96 | 146 | 145 | 189 | 256 |
| Related Technology College Credit Certificate Enrollment by Program | | | | | |
| (13) CCC - AutoCAD Foundations | 269 | 189 | 186 | 183 | 204 |
| (2) CCC - Chemical Laboratory Specialist | 10 | 30 | 52 | 58 | 65 |
| (1) CCC - Electrical Distribution, Advanced | 7 | 6 | 4 | 3 | 0 |
| (1) CCC - Electrical Distribution, Basic | 8 | 22 | 26 | 29 | 34 |
| (2) CCC - Electronics Technician, Basic | 129 | 79 | 89 | 83 | 68 |
| (5) CCC - Electronics Technician | 26 | 17 | 22 | 16 | 41 |
| (2) CCC - Laser and Photonics Technician | 8 | 12 | 15 | 17 | 34 |
| (6) CCC - Logistics & Transportation Specialist (new) | 9 | 40 | 248 | 152 | 92 |
| (2) CCC - Robotics and Simulation Technology (new) | 1 | 2 | 0 | 0 | 0 |
| (2) CCC - Scientific Workplace Prep | 1 | 1 | 21 | 159 | 803 |
| Related Technology College Credit Certificate Enrollment | 468 | 398 | 663 | 700 | 1,341 |
| Combined ET & Related Technology Certificate Enrollment | 564 | 544 | 808 | 889 | 1,597 |



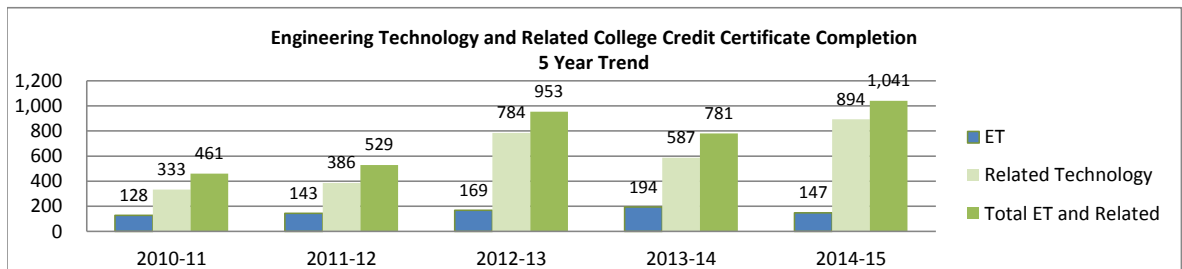
| ET & Related College Credit Certificate Enrollment Demographic Profile | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|----------------|----------------|----------------|----------------|----------------|
| % ET & Related CCC Female Enrollment | 19% | 20% | 29% | 33% | 52% |
| % ET & Related CCC Minority Enrollment | 41% | 41% | 52% | 44% | 47% |

Growth to 52% in % female enrollment in 2014-15 is primarily attributed to 519 females at FL State College at Jacksonville and 122 females at Eastern Florida State College enrolled in Scientific Workplace CCC

Section IV: Florida ET and Related College Credit Certificate Student Completion by Program

| ET Certificate Student Completion by Program | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|----------------|----------------|----------------|----------------|----------------|
| CCC - Alternative Energy Engineering Technology (new program) | | 4 | 4 | 4 | 0 |
| CCC - Alternative Energy Systems Specialist (new program) | 1 | 8 | 9 | 9 | 0 |
| CCC - Applied Technology Specialist | 2 | 8 | 7 | 8 | 0 |
| CCC - Automation | 5 | 1 | 7 | 8 | 2 |
| CCC - CNC Machinist | 11 | 23 | 21 | 33 | 8 |

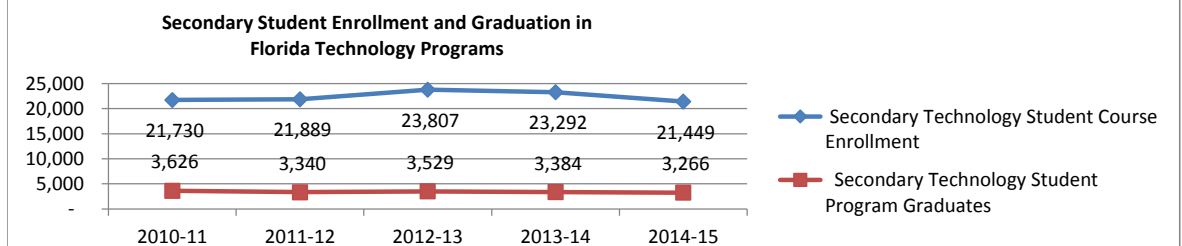
| | | | | | |
|---|------------|------------|------------|------------|--------------|
| CCC - Composite Fabrication & Testing (new program) | 13 | 8 | 12 | 5 | 0 |
| CCC - Computer Aided Design & Drafting (new program) | | | 3 | 8 | 5 |
| CCC - Computerized Woodworking | 2 | 6 | 7 | 2 | 0 |
| CCC - Electronics Aide | 1 | 5 | 6 | 15 | 0 |
| CCC - Engineering Technology Support Specialist | 35 | 33 | 43 | 61 | 93 |
| CCC - Lean Manufacturing | 0 | 3 | 1 | 4 | 0 |
| CCC - Lean Six Sigma Green Belt | 33 | 31 | 28 | 27 | 23 |
| CCC - Six Sigma Black Belt | 25 | 13 | 21 | 10 | 16 |
| Total ET Certificate Completion by Program | 128 | 143 | 169 | 194 | 147 |
| CCC - AutoCAD Foundations | 167 | 190 | 419 | 211 | 183 |
| CCC - Basic Electronics Technician | 111 | 88 | 78 | 102 | 57 |
| CCC - Electronics Technician | 12 | 26 | 10 | 25 | 15 |
| CCC - Chemical Laboratory Specialist | 4 | 3 | 12 | 32 | 31 |
| CCC - Electrical Distribution, Advanced | | 9 | 1 | 1 | 0 |
| CCC - Electrical Distribution, Basic | 13 | 2 | 1 | 2 | 12 |
| CCC - Laser And Photonics Technician | 8 | 25 | 13 | 20 | 31 |
| CCC - Logistics & Transportation Specialist (new program) | 5 | 30 | 203 | 126 | 39 |
| CCC - Medical Quality Systems (new) | | 1 | 5 | 9 | 10 |
| CCC - Pneumatics, Hydraulics & Motors for Manufacturing (new) | | 3 | 6 | 22 | 25 |
| CCC -Robotics and Simulation Technology (new) | | | 0 | 0 | 0 |
| CCC - Scientific Workplace Prep | 13 | 9 | 36 | 37 | 491 |
| Related Technology Program Certificate Completion | 333 | 386 | 784 | 587 | 894 |
| Total Certificate Completion/ ET & Related | 461 | 529 | 953 | 781 | 1,041 |



| ET & Related College Credit Certificate Completion Demographic Profile | | | | | |
|---|---------|---------|---------|---------|---------|
| | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| % ET & Related CCC Female Completion | 23% | 20% | 34% | 25% | 49% |
| % ET & Related CCC Minority Completion | 40% | 47% | 61% | 50% | 42% |

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

| V a. Total Secondary Student Enrollment and Graduation - 5 Year Trend | | | | | |
|--|---------|---------|---------|---------|---------|
| | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| Number of Secondary Technology Programs Offered | 612 | 615 | 654 | 647 | 613 |
| Total Secondary Technology Student Course Enrollment | 21,730 | 21,889 | 23,807 | 23,292 | 21,449 |
| Total Secondary Technology Student Program Graduates | 3,626 | 3,340 | 3,529 | 3,384 | 3,266 |



| V b. Secondary Student Enrollment by Technology Program | | | | | |
|--|-----------|-----------|------------|------------|------------|
| Program Title | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| Applied Welding | 1,157 | 1,208 | 1,116 | 1,495 | 1,488 |
| Automation & Production Technology (FLDOE adopted 2010) | 26 | 55 | 186 | 336 | 494 |
| Electronics Technology | 635 | 389 | 383 | 301 | 244 |
| Engineering Assisting | 283 | 174 | 97 | 113 | 73 |
| Engineering Pathways | 7,362 | 8,140 | 9,669 | 10,682 | 11,648 |
| Engineering Technology (Secondary) | 6,438 | 6,840 | 7,329 | 6,050 | 3,831 |

| Program Title | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|--|---------------|---------------|---------------|---------------|---------------|
| Industrial Biotechnology | 201 | 262 | 336 | 508 | 694 |
| Industrial Machinery Maintenance & Repair | 228 | 164 | 194 | 231 | 247 |
| Machining | 175 | 189 | 157 | 172 | 280 |
| Materials and Processes Technology | 3,030 | 2,112 | 1,964 | 1,694 | 1,466 |
| Precision Metal Fabrication | 1 | 0 | 0 | 8 | 11 |
| Production Technology | 1,440 | 1,711 | 2,081 | 1,373 | 877 |
| Solar Energy Technology (FLDOE adopted 2011) | 78 | 173 | 66 | 118 | 68 |
| Technology Systems | 670 | 472 | 222 | 211 | 28 |
| Total Secondary Student Course Enrollment | 21,730 | 23,800 | 23,807 | 23,292 | 21,449 |

V c. Secondary Level Technology Student Graduates by Technology Program

| Program Title | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|--------------|--------------|--------------|--------------|--------------|
| Applied Welding | 216 | 195 | 731 | 254 | 266 |
| Automation & Production Technology | 9 | 6 | 114 | 49 | 63 |
| Electronics Technology | 116 | | 121 | 49 | 36 |
| Energy Generation Technician (New program - FLDOE adopted 2012) | | 49 | - | - | - |
| Engineering Assisting | 16 | 15 | 14 | 26 | 18 |
| Engineering Pathways | 1,192 | 1,332 | 940 | 1,500 | 1,665 |
| Engineering Technology (Secondary) | 904 | 834 | 933 | 652 | 505 |
| Industrial Biotechnology | 15 | 12 | 69 | 78 | 88 |
| Industrial Machinery Maintenance & Repair | 27 | 50 | 42 | 67 | 60 |
| Machining | 34 | 25 | 58 | 11 | 38 |
| Materials and Processes Technology | 707 | 410 | 171 | 347 | 261 |
| Precision Metal Fabrication | 1 | 0 | 0 | 1 | 5 |
| Production Technology | 250 | 317 | 301 | 304 | 247 |
| Solar Energy Technology (FLDOE adopted 2011) | 19 | 21 | - | 31 | 14 |
| Technology Systems | 120 | 74 | 35 | 15 | 0 |
| Total Secondary Student Technology Program Graduates | 3,626 | 3,340 | 3,529 | 3,384 | 3,266 |

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

| | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|----------------|----------------|----------------|----------------|----------------|
| % Female Students of Total Secondary Enrollment | 16% | 16% | 16% | 15% | 18% |
| % Minority Students of Total Secondary Enrollment | 50% | 48% | 49% | 48% | 48% |
| % Female Students of Total Secondary Graduates | 17% | 17% | 17% | 16% | 18% |
| % Minority Students of Total Secondary Graduates | 50% | 49% | 49% | 48% | 49% |
| Secondary Technology Program Internships | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| Total Number of Internships* | 250 | 109 | 6 | 0 | 8 |
| Number of Females Placed in Internships | 92 | 40 | 0 | 0 | 2 |
| Number of Males Placed in Internships | 158 | 69 | 6 | 0 | 6 |
| % Females for Total Placed in Internships | 37% | 40% | 0% | 0% | 25% |
| % Minorities Placed in Internships | 38% | 65% | 83% (n=5) | 0% | 75% (n=6) |

*FLATE queried the FLDOE regarding the significant decrease in secondary technology program internships for academic year 2012-13 and received the following reply: "We checked the secondary data for 11-12 and 12-13. In 11-12 there were two districts that reported internship participants for the requested [secondary technology] programs-- 29 - Hillsborough reported 96 and 53-Polk reported 13. For 12-13 Polk was the only district that reported and they had 6. So it appears the report is correct." No high school internships were reported for 2013-14. 8 were reported in 2014-15- all from Polk.

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

| PSAV FLDOE Report Categories | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|---------|---------|---------|---------|---------|
| Enrollment | 1,557 | 1,559 | 1,475 | 1,639 | 1,773 |
| Occupational Completion Point (OCP) Earners | 2,279 | 2,141 | 2,392 | 2,617 | 2,953 |
| Full Program Completer | 522 | 525 | 525 | 596 | 457 |
| Number of Programs Offered | 9 | 7 | 6 | 8 | 5 |
| Number of Participating Institutions | 30 | 37 | 35 | 33 | 35 |
| PSAV Enrollment by Program | | | | | |
| Program Title | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
| Applied Welding Technologies | 1,175 | 1,196 | 1,248 | 1,335 | 1,492 |
| Automation & Production Technology | 6 | 5 | 0 | 2 | 0 |
| Electrical & Instrumentation Technology | 92 | 0 | 0 | 34 | 0 |
| Electronic System Assembly | 1 | 0 | 4 | 2 | 0 |
| Industrial Machinery Maintenance & Repair | 50 | 60 | 44 | 39 | 38 |
| Industrial Technology | 8 | 12 | 9 | 9 | 14 |
| Machining | 148 | 174 | 165 | 212 | 229 |
| Solar Energy Technology (adopted 2010) | 66 | 109 | 0 | 6 | 0 |

Appendix: Total ET & Related Technology Enrollment by College

5-Year Engineering Technology and Related Technology Program Enrollment
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 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|--|--------------|--------------|--------------|--------------|--------------|
| Broward College | 212 | 260 | 346 | 361 | 417 |
| College of Central Florida | 109 | 102 | 85 | 65 | 44 |
| Chipola College (new 2015 adoption) | 0 | 1 | 0 | 0 | 0 |
| Daytona State College | 225 | 181 | 152 | 147 | 155 |
| Eastern Florida State College | 1,082 | 1,041 | 1,003 | 835 | 921 |
| Florida Gateway College | 23 | 19 | 20 | 30 | 19 |
| Florida State College at Jacksonville | 430 | 331 | 574 | 581 | 1,276 |
| Gulf Coast State College | 128 | 120 | 108 | 114 | 123 |
| Hillsborough Community College | 337 | 282 | 324 | 319 | 325 |
| Indian River State College | 370 | 337 | 335 | 281 | 282 |
| Lake Sumter State College (new 2015 adoption) | 40 | 65 | 58 | 58 | 65 |
| Miami Dade College | 485 | 507 | 498 | 408 | 364 |
| Northwest Florida State College | 313 | 259 | 229 | 172 | 146 |
| Palm Beach State College (new 2015 adoption) | 199 | 176 | 182 | 158 | 156 |
| Pasco-Hernando State College (new 2015 adoption) | 80 | 82 | 65 | 64 | 63 |
| Pensacola State College | 202 | 209 | 275 | 259 | 170 |
| Polk State College | 82 | 138 | 137 | 187 | 165 |
| St. Johns River State College | 51 | 31 | 27 | 26 | 15 |
| St. Petersburg College | 259 | 292 | 313 | 362 | 434 |
| Santa Fe College | 205 | 178 | 132 | 78 | 80 |
| Seminole State College | 78 | 64 | 51 | 56 | 78 |
| South Florida Community College | 54 | 32 | 33 | 15 | 0 |
| SouthWestern Florida State College (Formerly Edison) | 222 | 195 | 123 | 63 | 23 |
| State College of Florida Manatee-Sarasota | 138 | 171 | 153 | 154 | 122 |
| Tallahassee Community College | 135 | 155 | 137 | 102 | 73 |
| Valencia Community College | 693 | 661 | 752 | 763 | 730 |
| Total Enrollment for all Institutions* | 6,152 | 5,889 | 6,112 | 5,658 | 6,246 |

*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 new 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).

5-Year Enrollment Breakout for Colleges Adopting the Engineering Technology (ET) Degree Program

| College Name and Enrollment Type | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|--|----------------|----------------|------------------|----------------|----------------|
| Broward College (BC) Adopted ET 2012 | | | | | |
| ET AS Degree Enrollment | | | 147 | 271 | 327 |
| ET Certificate Enrollment | | 2 | 3 | 0 | 30 |
| Related AS Degree Enrollment | | 257 | 181 | 75 | 41 |
| Related Certificate Enrollment | | 1 | 15 | 15 | 19 |
| Total | | 260 | 346 | 361 | 417 |
| College of Central Florida (CCF) Adopted ET 2008 | | | | | |
| ET AS Degree Enrollment | 42 | 43 | 56 | 48 | 44 |
| ET Certificate Enrollment | 2 | 0 | 1 | 3 | 0 |
| Related AS Degree Enrollment | 65 | 59 | 28 | 14 | 0 |
| Related Certificate Enrollment | 0 | 0 | 0 | 0 | 0 |
| Total | 109 | 102 | 85 | 65 | 44 |
| Daytona State College (DSC) Adopted ET 2012 | | | | | |
| ET AS Degree Enrollment | | | not yet reported | | |
| ET Certificate Enrollment | | 1 | | | |
| Related AS Degree Enrollment | | 163 | 147 | 134 | 141 |
| Related Certificate Enrollment | | 17 | 5 | 13 | 14 |
| Total | | 181 | 152 | 147 | 155 |
| Eastern Florida State College (EFSC) Adopted ET 2008 | | | | | |
| ET AS Degree Enrollment | 199 | 162 | 174 | 198 | 172 |
| ET Certificate Enrollment | 25 | 51 | 32 | 30 | 10 |
| Related AS Degree Enrollment | 841 | 789 | 750 | 443 | 568 |
| Related Certificate Enrollment | 17 | 39 | 47 | 164 | 171 |
| Total | 967 | 1,082 | 1,041 | 835 | 921 |
| Florida Gateway College (FGC) Adopted ET 2009 | | | | | |
| ET AS Degree Enrollment | 10 | 9 | 8 | 20 | 19 |
| ET Certificate Enrollment | 1 | 4 | 5 | 2 | 0 |
| Related AS Degree Enrollment | 6 | 1 | 1 | 0 | 0 |
| Related Certificate Enrollment | 6 | 5 | 6 | 8 | 0 |
| Total | 23 | 19 | 20 | 30 | 19 |
| Florida State College at Jax (FSCJ) Adopted ET 2009 | | | | | |
| ET AS Degree Enrollment | 70 | 58 | 84 | 136 | 141 |
| ET Certificate Enrollment | 16 | 15 | 15 | 166 | 121 |
| Related AS Degree Enrollment | 324 | 205 | 196 | 208 | 203 |
| Related Certificate Enrollment | 20 | 53 | 279 | 71 | 811 |
| Total | 430 | 331 | 574 | 581 | 1,276 |
| Gulf Coast State College (GCSC) Adopted ET 2012 | | | | | |
| ET AS Degree Enrollment | | | | 51 | 104 |
| ET Certificate Enrollment | | 6 | 2 | 1 | 0 |
| Related AS Degree Enrollment | | 110 | 101 | 57 | 19 |
| Related Certificate Enrollment | | 4 | 5 | 5 | 0 |
| Total | | 120 | 108 | 114 | 123 |
| Hillsborough Community College (HCC) Adopted ET 2008 | | | | | |
| ET AS Degree Enrollment | 14 | 25 | 73 | 105 | 130 |
| ET Certificate Enrollment | 2 | 3 | 11 | 11 | 0 |
| Related AS Degree Enrollment | 259 | 214 | 201 | 168 | 130 |
| Related Certificate Enrollment | 62 | 40 | 39 | 35 | 65 |
| Total | 337 | 282 | 324 | 319 | 325 |
| Lake Sumter State College Adopted ET 2015 | | | | | |
| ET AS Degree Enrollment | | | not yet reported | | |
| ET Certificate Enrollment | | | | | |
| Related AS Degree Enrollment | | | | | 31 |
| Related Certificate Enrollment | | | | | 34 |
| Total | | | | | 65 |
| Northwest Florida State College (NWFSC) Adopted ET 2012 | | | | | |
| ET AS Degree Enrollment | | | 45 | 67 | 72 |
| ET Certificate Enrollment | | | 5 | 7 | 0 |
| Related AS Degree Enrollment | | 258 | 171 | 96 | 74 |
| Related Certificate Enrollment | | 1 | 8 | 2 | 0 |
| Total | | 259 | 229 | 172 | 146 |

| College Name and Enrollment Type continued | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|--|------------|------------|------------------|------------------|------------|
| Palm Beach State College (PBSC) Adopted ET 2015 | | | | | |
| ET AS Degree Enrollment | | | not yet reported | | |
| ET Certificate Enrollment | | | | | |
| Related AS Degree Enrollment | | | | | 156 |
| Related Certificate Enrollment | | | | | |
| Total | | | | | 156 |
| Pasco-Hernando State College (PHSC) Adopted ET 2015 | | | | | |
| ET AS Degree Enrollment | | | not yet reported | | |
| ET Certificate Enrollment | | | | | |
| Related AS Degree Enrollment | | | | | 63 |
| Related Certificate Enrollment | | | | | |
| Total | | | | | 63 |
| Pensacola State College (PSC) Adopted ET 2008 | | | | | |
| ET AS Degree Enrollment | | | 75 | 77 | 78 |
| ET Certificate Enrollment | 7 | 10 | 14 | 12 | 0 |
| Related AS Degree Enrollment | 192 | 192 | 180 | 164 | 92 |
| Related Certificate Enrollment | 3 | 7 | 6 | 6 | 0 |
| Total | 202 | 209 | 275 | 259 | 170 |
| Polk State College (PSC) Adopted ET 2009 | | | | | |
| ET AS Degree Enrollment | 42 | 98 | 118 | 168 | 165 |
| ET Certificate Enrollment | | | | 0 | 0 |
| Related AS Degree Enrollment | 40 | 40 | 19 | 19 | 0 |
| Related Certificate Enrollment | | | | 0 | 0 |
| Total | 82 | 138 | 137 | 187 | 165 |
| St. Petersburg College (SPC) Adopted ET 2008 | | | | | |
| ET AS Degree Enrollment | 128 | 160 | 183 | 221 | 265 |
| ET Certificate Enrollment | 36 | 32 | 46 | 66 | 95 |
| Related AS Degree Enrollment | 87 | 93 | 84 | 75 | 74 |
| Related Certificate Enrollment | 8 | 7 | | 0 | 0 |
| Total | 259 | 292 | 313 | 362 | 434 |
| Seminole State College (SSC) Adopted ET 2014 | | | | | |
| ET AS Degree Enrollment | | | | not yet reported | |
| ET Certificate Enrollment | | | | | |
| Related AS Degree Enrollment | | | | 37 | 28 |
| Related Certificate Enrollment | | | | 19 | 50 |
| Total | | | | 56 | 78 |
| State College of Florida Manatee-Venice (SCF) Adopted ET 2009 | | | | | |
| ET AS Degree Enrollment | 98 | 148 | 146 | 145 | 122 |
| ET Certificate Enrollment | | | 1 | 2 | 0 |
| Related AS Degree Enrollment | 40 | 23 | 6 | 3 | |
| Related Certificate Enrollment | | | | 4 | 0 |
| Total | 138 | 171 | 153 | 154 | 122 |
| Tallahassee Community College (TCC) Adopted ET 2011 | | | | | |
| ET AS Degree Enrollment | | | | 18 | 47 |
| ET Certificate Enrollment | | 4 | 1 | 5 | 0 |
| Related AS Degree Enrollment | 135 | 150 | 128 | 74 | 26 |
| Related Certificate Enrollment | | 1 | 8 | 5 | 0 |
| Total | | 151 | 137 | 84 | 73 |