



## Florida Education & Training Placement Information Programs (FETPIP)

Since 2013 FLATE started to use FETPIP data provided by the Florida Department of education (FLDOE) to help track employability of ET Graduates. FLATE and FLDOE work hand in hand with parents, teachers, educators and community members to improve Florida's education system for students.

### Overview

The Florida Education and Training Placement Information Program (FETPIP) is a data collection and consumer reporting system established by Florida Statutes Section 1008.39 to provide follow-up data on former students and program participants who have graduated, exited or completed a public education or training program within the State of Florida. The statute requires all elements of Florida's workforce development system to use information provided through FETPIP, for any project they may conduct requiring automated matching of administrative records for follow-up purposes. FETPIP's method of data collection replaces conventional survey-type techniques, and provides information in an accurate and cost effective manner. The follow-up studies are conducted annually by matching records of the student graduates, completers or exiters from the numerous public and independent organizations with information resources available to FETPIP. Follow-up on a quarterly basis is also done for some groups.

A major goal of Florida's K-20 Education system is to improve employment and earnings outcomes for all students. This information is part of the performance accountability processes for all parts of the K-20 system and serves as an indicator of student achievement and program needs.

### How it Works

The processes used by FETPIP rely on a technique referred to as "record linkage". This term describes a computerized process, which combines individually identifiable data from several different administrative databases. The purpose of the linkage is to develop aggregate statistics from the combinations that describe the experiences of student groups or participants after graduation or exiting and education or training program. The aggregates are used to produce outcome performance measures that are intended to assist in evaluating the success of educational programs.

Participants are universities, community colleges, school districts, selected private vocational schools, colleges and universities, welfare transition services, workforce investment act (WIA), corrections system, farm worker jobs and education programs, and specialized and longitudinal studies

### Limitations:

- FETPIP does not report matched numbers (headcount) of 5 or less for any industry title FETPIP makes the "match" decision at the state level based on industry title, not occupation
- FETPIP data only matches a three month span of college data – Oct., Nov., Dec. of a given year; FETPIP does not match and provide data reflecting an entire year

- FETPIP data runs two years behind for students enrolled and graduated, and will not accurately reflect local follow up data such as instructor blogs, social media, and other personal contacts

2017-18 Engineering Technology (ET) Associate in Science (AS) Degree program completers statewide, FETPIP Follow-up outcomes reported in 2020.

According to the FETPIP data reported in 2020 a total of 161 individuals, graduated during the period 2017-18, reported for follow-up to FETPIP completing the ET AS Degree program. This number represents 11.8% increase compared to 144 reported in 2016-17. Of these total individuals only 122 (76%) were found employed. Similar percentage was found on 2016-17 with 112 (78%) (down 2%). Average annual earnings of \$47,668 (average quarterly earnings of \$11,917) showed a decrease of more than 7.8 % (\$51,384 ) when compared with previous report (2015-16).

Table 1 contains the data collected from year 2011 to 2018, which includes information regarding student graduates, completers or exiters from the Florida colleges offering ET A.S. degree with information resources available to FETPIP.

Table 1. 2011-18 Engineering Technology-ET (Program 1615000001) AS Degree Completers FETPIP follow-up outcomes.

<b>Year Awarded ET AS Degree</b>	<b>Total # of ET sample reported to FETPIP</b>	<b># ET graduates found Employed</b>	<b>Average Annual Earning per year \$</b>
2011-12	30	17 (57%)	\$38,404
2012-13	66	48 (73%)	\$38,940
2013-14	71	56 (79%)	\$44,904
2014-15	96	74 (77%)	\$43,616
2015-16	121	93 (77%)	\$45,540
2016-17	144	112 (78%)	\$51,384
2017-18	161	122 (76%)	\$47,668

*# ET graduates found employed = The number of individuals with wages during the 4th quarter (October to December) from those who graduated in 2018.*

Data summarized in table 1 and graphs 1- 6 represents data built in two year lag time and only matches a three month span of college data (Oct., Nov., Dec. of a given year), except for the average annual earning which were estimated purposely for this report. FETPIP does not provide data reflecting an entire year.

Even though there is a slight reduction in individuals found employed in this report year (down 2%), the overall data reported from 2011 to 2018 has shown a positive trend in the number of AS degree completers (figure 1) and ET graduates (figure 2) that were employed. During 2011-12 there were 13 colleges and by the end of 2017 there were 23 (out of 25) colleges in Florida offering the ET AS degree program.

Regarding the average annual earning per year, 2017-18 shows a slightly decrease in earnings shown in figure 4.

This information is part of the performance accountability process for all parts of the K-20 system and serves as an indicator of student achievement and program needs. It helps educators and parents better prepare and counsel students for success in their future education and career choices.

Figure 1. # in ET Sample Reported to FETPIP

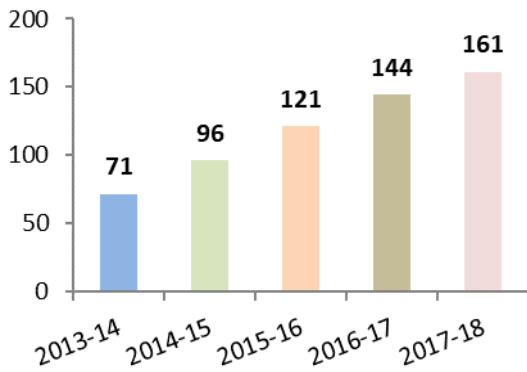


Figure 2. # ET Graduates Found Employed (4<sup>th</sup> Qtr. Only)

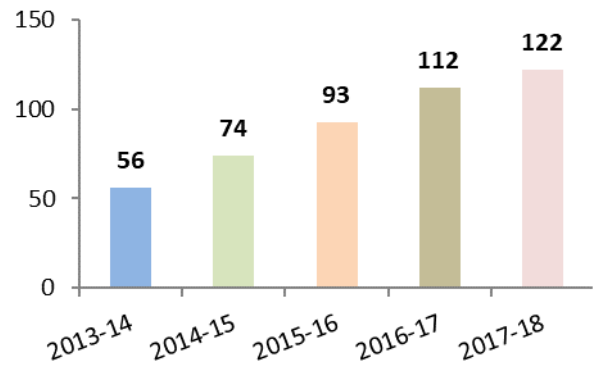


Figure 3. (%) ET Graduates Found Employed

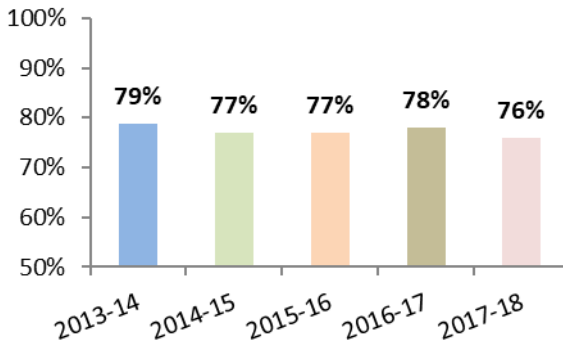
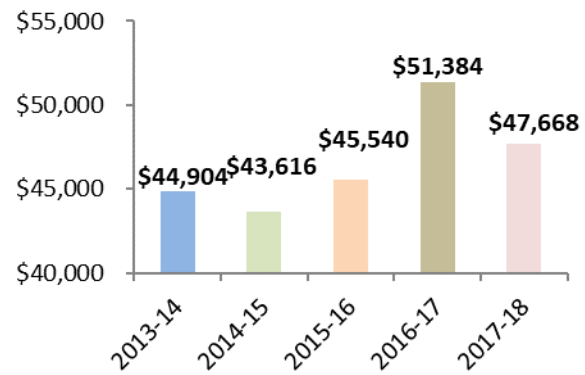


Figure 4. Average Annual Earnings



## 2017-18 Associate in Science (AS) Degree program FETPIP Follow-Up Outcomes Gender Comparison

Out of the total 161 total number of individuals reported for follow-up to FETPIP, 139 (86%) were male and 22 (13%) were female. As shown in figure 5, of these individuals 107 (77%) of male respondents and 15 (68%) of the females were found to be employed. Total number of individuals found with positive placement (employment related to training including individuals continuing education) were 86 (79%) for males and 14 (88%) for females.

Average Annualized earnings (average quarterly earnings multiplied by four), shown in figure 6, were reported to be \$48,572 for men and \$41,524 for female. This corresponds to a 15% difference in average annual earnings between male and female respondents.

Regarding individuals found employed in an industry related to training, data shows that 60 (56%) were male and fewer than 10 females. It is interesting to note that 49 (35%) of males and fewer than 10 females were found enrolled in a postsecondary institution. When comparing with other competitive related technologies like Aerospace and Electronics Engineering Technologies, ET is well positioned. Industrial management technology shows significant higher Average Annual Earnings.

Based on the 2017-18 ET AS Degree Completers report, males continued dominating positions related to ET AS programs with an impressive 86% for men and 13% for females.

Figure 5. # of ET Sample Reported to FETPIP  
#/% ET Graduates Found Employed

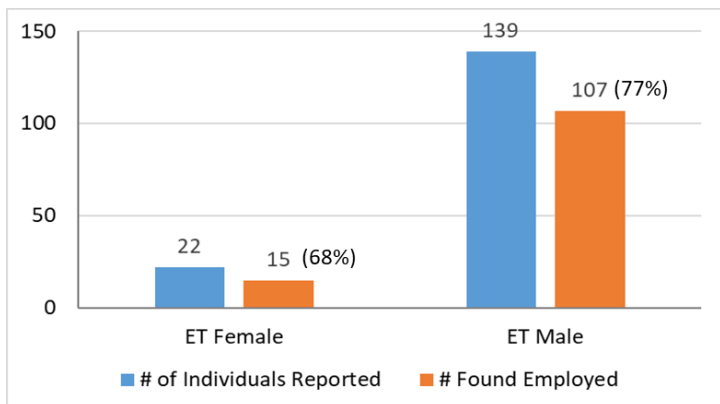
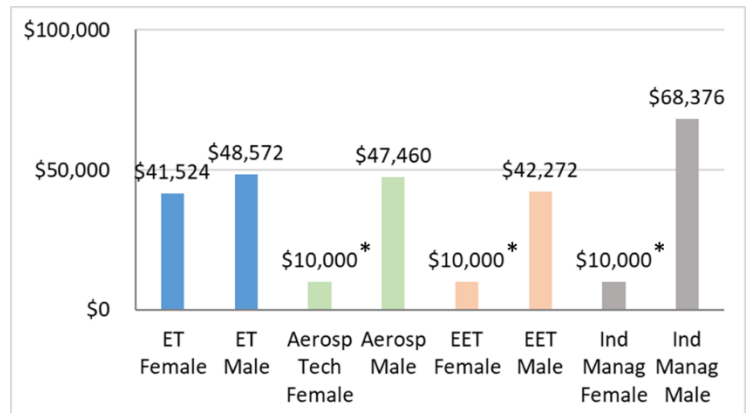


Figure 6. Average Annual Earnings  
By Gender



\* Values less than \$10,000 but greater than 0, are represented with \$10,000\*

Based on the 2017-18 FETPIP AS degree completers by gender, data shows that despite all the efforts promoting females in technology careers, males continued dominating positions related to ET AS programs. Females are still underrepresented in numbers and salaries. Overall average annual earnings during the past seven years, shows that ET and related manufacturing careers continue growing strong in Florida strengthening the skills of technicians, whose work is vitally important to the nation's prosperity and security.

Table 1 contains the data collected from year 2011 to 2018, which includes information regarding student graduates, completers or exiters from the Florida colleges offering ET A.S. degree with information resources available to FETPIP.

Table 1. 2011-18 Engineering Technology-ET (Program 1615000001) AS Degree Completers FETPIP follow-up

PROGRAM	TOTAL	FOUND EMPLOYED		EMPLOYED FULL QTR		FULL QTR AVG	TRAINING RELATED		CONTINUING EDUCATION		TOTAL "POOL"	POSITIVE PLACEMENT	
	FREQUENCY	#	%	#	%	EARNINGS	#	%	#	%	COUNT	#	%
Early Childhood Education Associate Degree (60)													
1413121004	107	77	72%	55	51%	\$28,276	57	74%	49	46%	81	75	93%
Early Childhood Education Associates Degree													
1413121003	158	109	69%	82	52%	\$30,096	75	69%	69	44%	127	110	87%
Early Childhood Management													
1419070802	65	45	69%	35	54%	\$26,840	29	64%	25	38%	50	45	90%
E-Business Technology													
1552120100	****	****	100%	-	0%	\$--,---	-	0%	-	0%	****	-	0%
Electrical Power Technology													
1615030318	48	42	88%	33	69%	\$50,656	14	33%	****	****%	37	20	54%
Electronics Engineering Technology													
1615030301	67	48	72%	43	64%	\$42,412	19	40%	29	43%	54	42	78%
Emergency Administration and Management													
1743030200	14	****	****%	****	****%	\$**,***	****	38%	****	****%	11	10	91%
Emergency Medical Services													
1351090402	413	389	94%	375	91%	\$66,024	171	44%	120	29%	383	233	61%
Engineering Technology													
1615000001	161	122	76%	109	68%	\$47,668	67	55%	58	36%	125	100	80%
Environmental Science Technology													
1703010401	43	23	53%	17	40%	\$41,148	****	****%	22	51%	30	25	83%
Equine Studies (60)													
1101050701	13	10	77%	****	****%	\$**,***	****	****%	****	****%	10	****	****%
Film Production Technology													
1650060213	134	75	56%	33	25%	\$40,564	26	35%	46	34%	87	61	70%
Financial Services													
1252080100	****	****	50%	****	50%	\$**,***	****	100%	****	25%	****	****	100%

Page 6

outcomes.

FLORIDA COLLEGE SYSTEM VOCATIONAL PROGRAMSAGGREGATED OUTCOME DATA 2017-18 AS DEGREE COMPLETERS FETPIP FOLLOW-UP OUTCOMES BY PROGRAM