



## 2017-18 Student Achievements

Florida Polytechnic University regularly monitors and evaluates student achievement with respect to its mission as a STEM institution:

*to prepare 21st century learners in advanced fields of science, technology, engineering and mathematics (STEM) to become innovative problem-solvers and high-tech professionals through interdisciplinary teaching, leading-edge research, and collaborative local, regional and global partnerships.*

Toward this end, the University utilizes a variety of formative and summative measurements to both track and evaluate student achievement. These measures are as follows:

### Formative (how students perform on their way to a degree):

1. Freshman in Top 10% of Graduating High School Class
2. University Access Rate (Percent of Undergraduates with a Pell Grants)
3. Semester Course Completions
4. Change in Major
5. Persistence (fall to spring)
6. Overall Retention Rate
7. Academic Progress Rate (2nd Year Retention with GPA above 2.0)

### Summative (student achievement at graduation):

1. Bachelor's Degrees Awarded in Areas of Strategic Emphasis (includes STEM)
2. Graduate Degrees Awarded in Areas of Strategic Emphasis (includes STEM)
3. Total Degrees awarded
4. Six Year Graduation Rate (Full-time and Part-time FTIC)
5. Four Year Graduation Rate
6. Percent of Bachelor's Graduates Employed and/or Continuing Education
7. Average Wages of Employed Baccalaureate Graduates
8. Internship experiences
9. Time to degree
10. Qualitative Measures and Satisfaction Survey Results

These measurements both support the University's mission and align with the Florida Board of Governor's expectations for achievement for performance funding.

## Recent Results

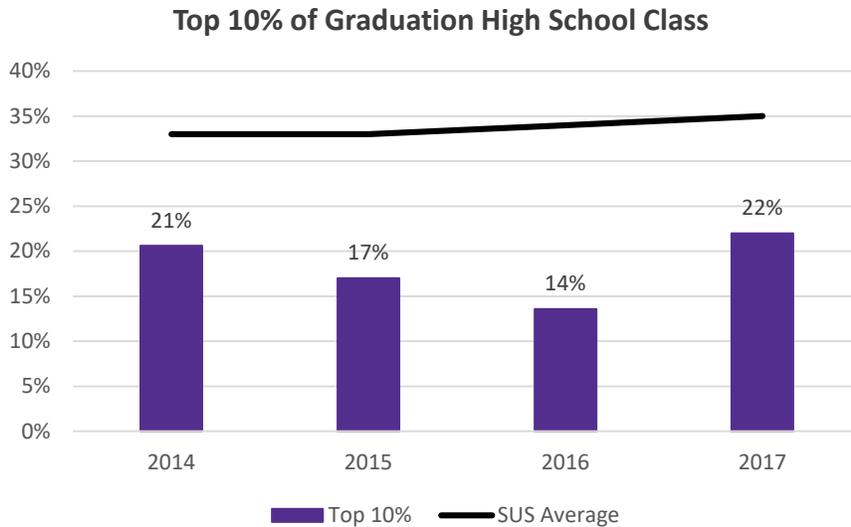
As a new institution (having opened for its first class in fall 2014), Florida Polytechnic University is only at the beginning of developing a reliable body of data in support of these achievement measures. Unless otherwise stated, results presented in this report are sourced from the Student Information System (Data Warehouse).

### Formative Measurements

As noted above, the following formative measures inform student progress toward achievement.



1. Freshman in Top 10% of Graduating High School Class

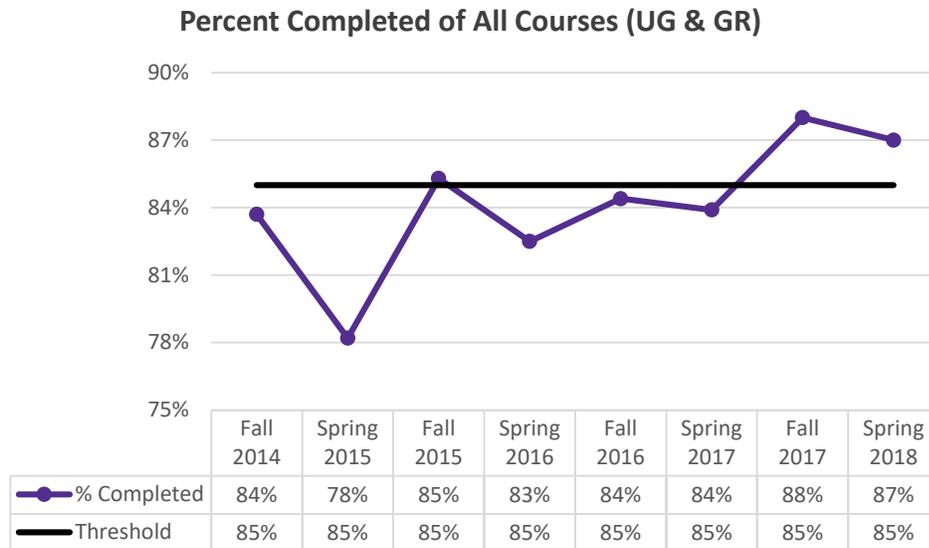


2. University Access Rate (Percent of Undergraduates with a Pell Grants)

Florida Polytechnic University students were eligible to start receiving Pell Grants from the US Department of Education in fall 2017. Thirty percent (30%) of undergraduates received Pell Grants in fall 2017.

3. Semester Course Completions

Currently establishing a baseline/threshold. Percent completions are based on total registered students as of our census date minus withdrawals and fail grades.

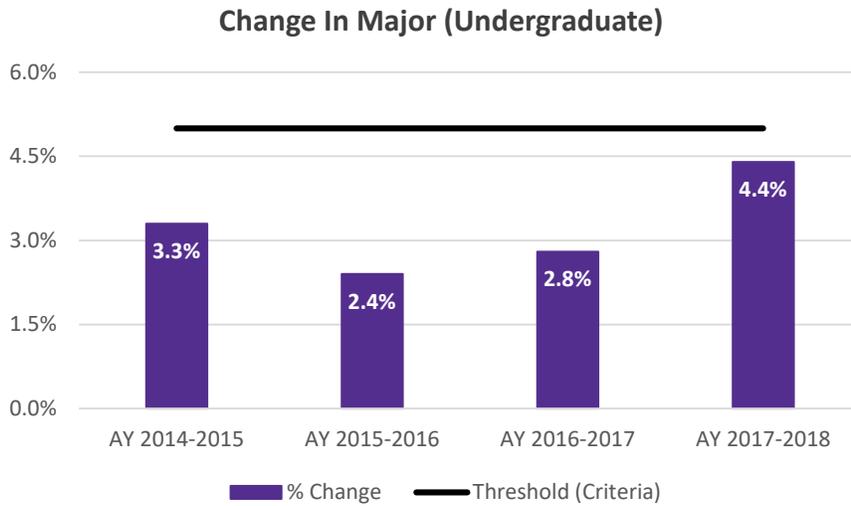




#### 4. Change in Major

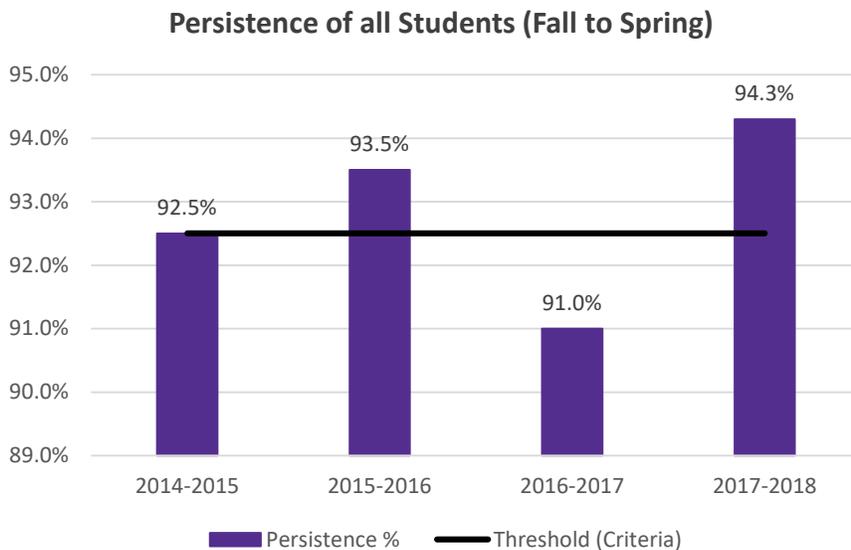
The ability for students to change majors at Florida Polytechnic University is minimal with only six degrees and all of them in STEM. As change in major impacts time to degree, it is important to measure students migrating from one major to another.

A threshold greater than 5% was chosen as it relates to a meaningful change requiring further investigation. In AY 2017-18 an increase in change of majors was observed due to curriculum changes to programs of study.



#### 5. Persistence (Fall to Spring)

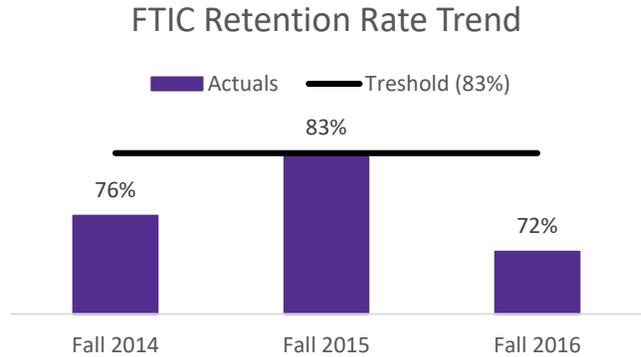
The threshold criteria is based on our first year (2014-2015) baseline.





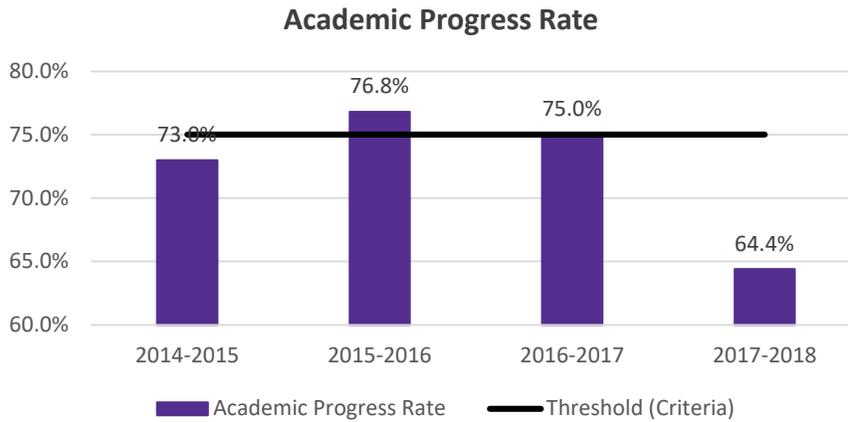
6. Overall Retention Rate (FTIC by Year)

Cohort	Second Year	Third Year	Fourth Year
Fall 2014	76%	62%	54%
Fall 2015	83%	71%	
Fall 2016	72%		



7. Academic Progress Rate

Academic progress rate measures second year retention for FTIC (first time in college) students with a GPA above 2.00.



Summative (student achievement at graduation)

The following summative measurements are used to assess student achievement of institutional educational priorities.

1. Bachelor's Degrees Awarded in Areas of Strategic Emphasis (includes STEM)

Results	Threshold (Criteria)	Comments
100%	95% (Strategic Initiative Goal)	<u>Total Graduates</u> AY 2016-2017 = 18 AY 2017-2018 = 197

2. Graduate Degrees Awarded in Areas of Strategic Emphasis (includes STEM)

Results	Threshold (Criteria)	Comments
100%	95% (Strategic Initiative Goal)	<u>Total Graduates</u> AY 2016-2017 = 21 AY 2017-2018 = 8



3. Total Degrees Awarded (2017-2018)

Degree Program	Number of Awards	Previous Year
BS Advanced Technology (Data Analytics)	12	0
BS Computer Science	12	0
BS Computer Science & Information Technology	50	5
BS Science and Technology Management	17	4
BS Mechanical Engineering	47	0
BS Mechanical & Industrial Engineering	6	4
BS Computer Engineering	25	1
BS Electrical Engineering	28	4
MS Innovation & Technology	5	16
MS Engineering	3	5
<b>Grand Total</b>	<b>205</b>	<b>39</b>

4. Six Year Graduation Rate (Full-time and Part-time FTIC)

Results	Threshold (Criteria)
Too early to provider results.	Bachelor of Science: 72% (Peer and SUS Average)

5. Four Year Graduation Rate

Results	Threshold (Criteria)
Estimated: 33%*	Bachelor of Science: 41% (Peer and SUS Average)

\*Summer 2018 graduates would be included once degrees are conferred

6. Percent of Bachelor's Graduates Employed and/or Continuing Education

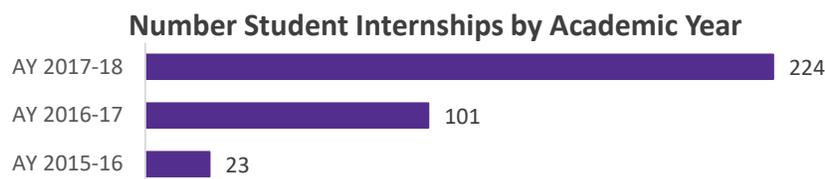
Results	Threshold (Criteria)	Comments
54%	95% (Strategic Initiative Goal)	AY 2016-2017 = 89% AY 2017-2018 = 54%
<i>Source: Student self-reported in Graduation Exit Survey</i>		

7. Average Wages of Employed Baccalaureate Graduates

Results	Threshold (Criteria)	Comments
\$50,000 - \$69,999	\$40,700	Based on graduates who have provided salary information.
<i>Source: Student self-reported in Graduation Exit Survey</i>		

8. Internship experiences

a. Internship Participation History



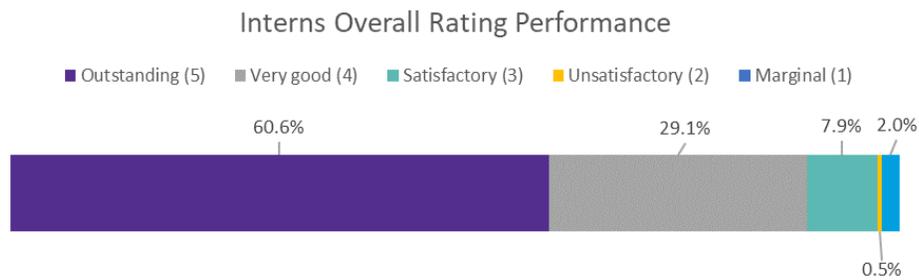
Data Source: Student registrations for EGN 4941 and IDS 4941 internship courses.



b. Internship Evaluations

Data presented is based on internship evaluations collected during AY 2017-18 (N=213). Students from all bachelor programs offered have participated in internships at over 100 companies and 93% in the state of Florida.

Student interns were evaluated by their supervisors in various skills and abilities and received an average rating of 4.47 out of 5.00 in their overall performance (compared to 3.71 in 2016-2017). 60.6% rated as outstanding and 29.1% as very good. For additional information, please review our report "Student Internship Evaluations (Results) AY 2017-18" at our publications website or [click here](#).



9. Time to Degree (FTIC in 120 hours programs)

<b>Results</b>
Too early to provider results.

Qualitative Measures and Satisfaction Survey Results

At the point of graduation, students provide feedback about their program of study and experience with university services through an exit survey. Survey is distributed electronically to all graduating students in each term during an academic year. Result presented reflect responses only to those majors for which graduating students have shared their feedback.

Information collected in the Graduation Exit Survey helps to evaluate and improve the academic programs and services. The following provides a summary of findings from 2017-18 graduating class using average scores with the following scale:

Level of Agreement: 1 = Strongly Disagree; 2 = Disagree; 3 = Neither Agree or Disagree, 4 = Agree, 5 = Strongly Agree

Average Score 4 - 5	Average Score 3 - 3.99	Average Score 2 - 2.99	Average Score Below 2



	Overall Score	BS Advanced Technology	BS Computer Engineering	BS Computer Science	BS Computer Science & Information Technology	BS Electrical Engineering	BS Mechanical Engineering	BS Mechanical & Industrial Engineering	BS Science & Technology Management
<b>Number Survey Responses</b>	182	12	23	12	43	26	46	5	15
Academic Challenge									
Effective Teachers									
Course Offerings									
Emphasis in Current Trends and Developments									
Quality of Instruction									

A Likert-scale from 1 to 4, 4 being the highest, is provided for graduates to self-assess their level of preparedness with program specific outcomes. Overall comparison between programs is based on graduates' responses about their level of preparedness in achieving SLOs upon graduation. The scale used in this comparison was based on the overall average rating calculated from survey results for each program.

<b>Advanced Technology</b>	
<b>Computer Engineering</b>	
<b>Computer Science (Computer Science &amp; Information Technology)</b>	
<b>Electrical Engineering</b>	
<b>Mechanical Engineering (Mechanical &amp; Industrial Engineering)</b>	
<b>Science &amp; Technology Management</b>	

