



**FLORIDA POLYTECHNIC  
UNIVERSITY**



# **FALL 2019 PROFILE**

**Office of Institutional Research  
4700 Research Way  
Lakeland, FL 33805**

*Updated: 01/31/2020*

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## PURPOSE

The Fall 2019 profile presents metrics that describe the 2019 incoming class, continuing students, and faculty/staff at Florida Polytechnic University.

Student data presented in this report was extracted from our Student Information System as of a census date of September 19, 2019 (unless otherwise stated). Human Resources data used payroll records extracted from Workday ERP within this same timeframe.

## STUDENT ENROLLMENT

This section presents various metrics used by the Office of Institutional Research to track student enrollment at the Institution.

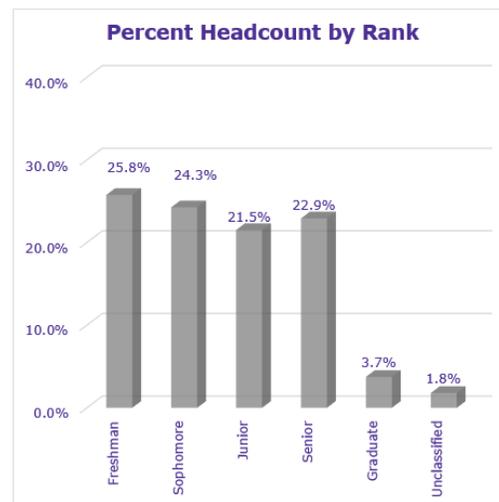
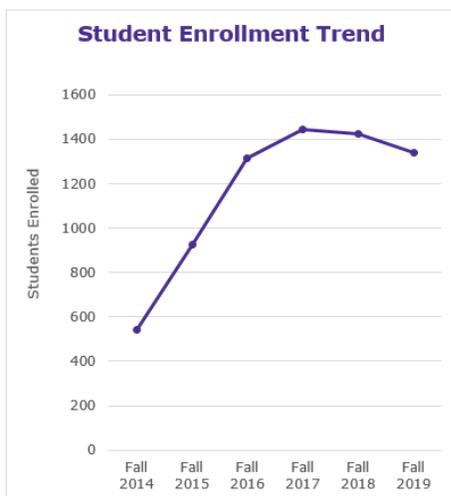
### Total Headcount

The Fall 2019 unduplicated headcount is 1,339 students. Total enrollment (6,365) is defined as the duplicated headcount of students registered for classes. First year retention of first time in college students decreased by ten (10) percentage points from the previous year.

<b>Total Registered Headcount</b>	<b>1,339</b>
<b>Total Enrollment (Duplicated)</b>	<b>6,365</b>
<b>FTIC Retention Rate</b>	<b>69%</b>

FTIC Retention Rate					
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Fall 2014	76%	62%	54%	26%	3%
Fall 2015		83%	71%	62%	18%
Fall 2016			72%	57%	51%
Fall 2017				79%	64%
Fall 2018					69%
Fall 2019					

Headcount by Student Rank		
	Total Students	Percentage of Total Headcount
Freshman	345	25.8%
Sophomore	325	24.3%
Junior	288	21.5%
Senior	307	22.9%
Graduate	50	3.7%
Unclassified	24	1.8%



## New Student Profile

A total of 396 new and readmitted students registered for Fall 2019. New students represent 30% of all student population. First-Time In College (FTIC) students are the higher percentage of incoming students (70%); a pattern observed since Fall 2014. In addition, international students enrollment increased to a total of 52 enrolled in both undergraduate and graduate levels. Academic quality of new students at Florida Polytechnic University with respect to test scores has decreased slightly when compared to previous incoming class (SAT 1,287, ACT 28.8).

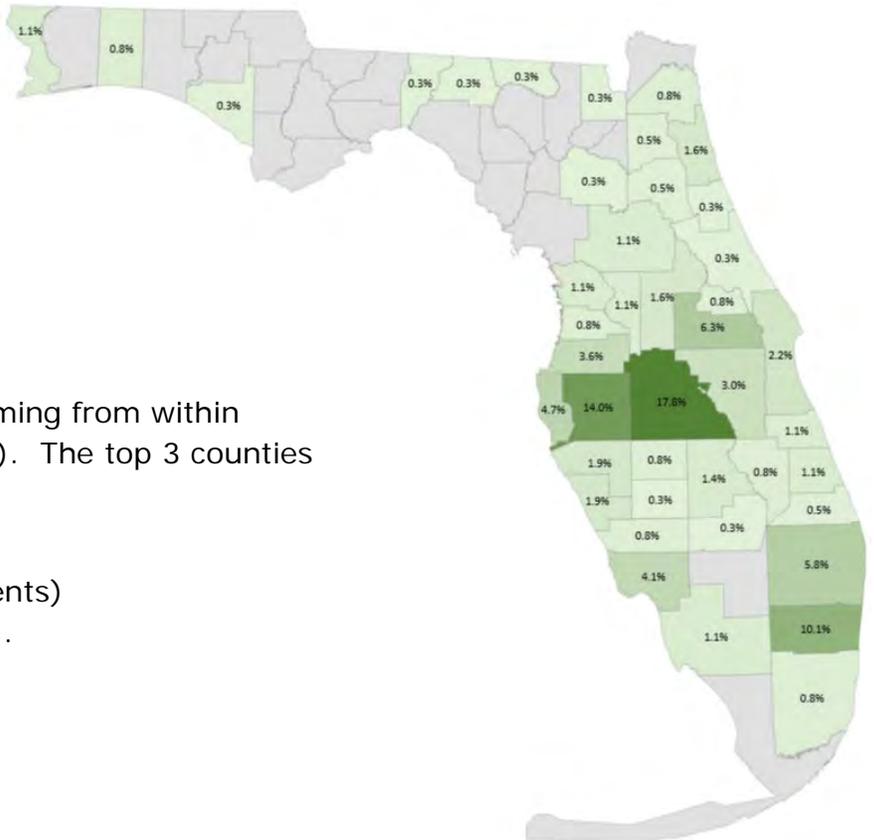
Fall 2019 Continuing & New Students Count				
	Continuing Students	New Students	Re-Admits	Total
<b>Undergraduate</b>	<b>920</b>	<b>345</b>	<b>0</b>	<b>1,265</b>
<b>Graduate</b>	<b>23</b>	<b>27</b>	<b>0</b>	<b>50</b>
<b>Non-Degree Seeking</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>24</b>
<b>Total Student</b>	<b>943</b>	<b>396</b>	<b>0</b>	<b>1,339</b>

Fall 2019 New Student Enrollment	
<b>First Time in College</b>	<b>278</b>
<b>Transfer</b>	<b>64</b>
<b>Graduate</b>	<b>27</b>
<b>Re-Admits</b>	<b>0</b>
<b>Other (Dual Enrollment, Second Bachelors, Non-Degree, etc.)</b>	<b>27</b>
<b>Total New Students</b>	<b>396</b>

Average GPA	
<b>FTIC High School</b>	<b>3.93</b>
<b>Transfer College</b>	<b>3.26</b>
<b>Graduate</b>	<b>4.27</b>

Average Test Scores*	
<b>SAT</b>	<b>1275</b>
<b>ACT</b>	<b>28</b>

\* Source; Salesforce at drop/add



92% of new students are coming from within Florida counties (2018; 94%). The top 3 counties include:

- Polk (67 students)
- Hillsborough (53 students)
- Broward (36 students).

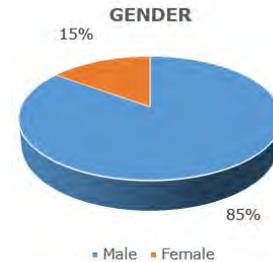
## Student Diversity

Student population at Florida Polytechnic University is predominantly white and male, 61.1% and 85% respectively. The female population increased 2 percentage points from Fall 2018.

Race/Ethnicity*		
	Total Students	Percent of Total Headcount
American Indian or Alaskan Native	7	0.5%
Asian	60	4.5%
Black or African American	78	5.8%
Hispanic or Latino	272	20.3%
Native Hawaiian or Other Pacific Islander	46	3.4%
Non-Resident Alien	5	0.4%
Two or More Races	45	3.4%
White	811	60.6%
Race and Ethnicity Unknown	15	1.1%

\*IPEDS Classifications

Gender		
	Total Students	Percent of Total Headcount
Male	1,138	85%
Female	201	15%



Countries represented by international students include:

Countries	Argentina	Ecuador	Nigeria
	The Bahamas	Ghana	Venezuela
	Bangladesh	Guyana	Russia
	Brazil	India	South Africa
	Canada	Jamaica	Spain

## Enrollment

Florida Polytechnic University offers six (9) Bachelor of Science degrees, two (2) Master of Science degrees and a variety of concentrations within each program for students to specialize. Top two programs of highest enrollment are Computer Science (38%) and Mechanical Engineering (21%).

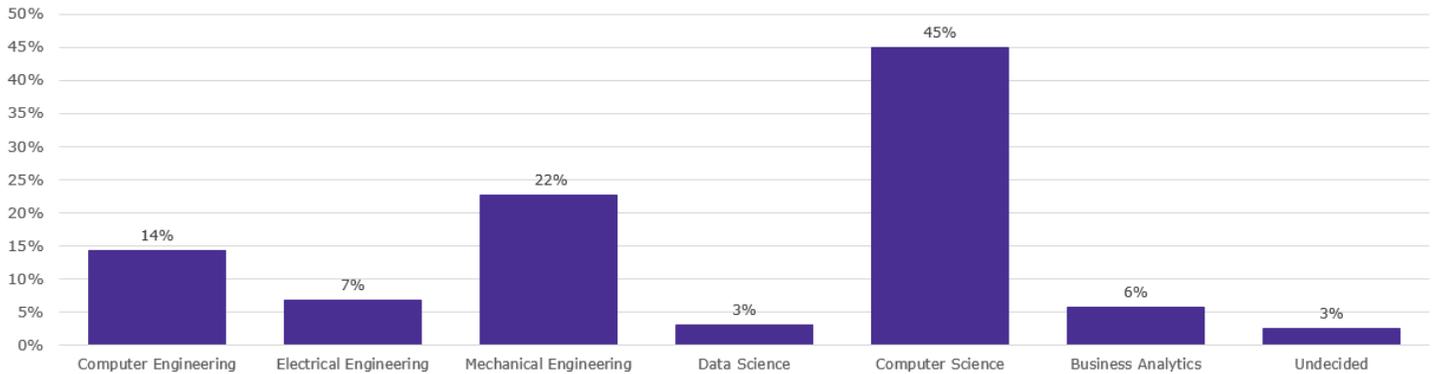
Distribution of student enrollment among programs are as follows:

Headcount by Major				
	Total	Percent of Total Headcount	Female	Male
Computer Engineering	178	13.3%	21	157
Digital Logic Design	29	2.2%	4	25
Embedded System Design	41	3.1%	2	39
Machine Intelligence	76	5.7%	14	62
Autonomous Robotic Systems	4	0.3%	0	4
Advanced Topics	28	2.1%	1	27

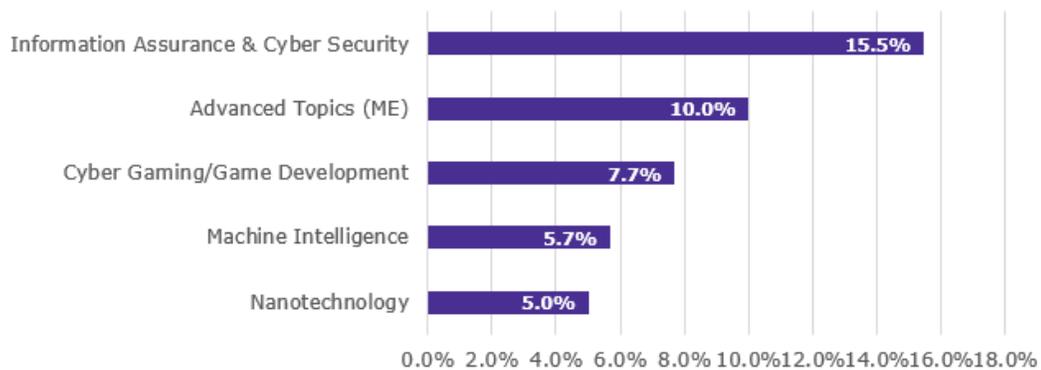
<b>Electrical Engineering</b>	<b>85</b>	<b>6.3%</b>	<b>12</b>	<b>73</b>
Control Systems	24	1.8%	1	23
Digital & Hybrid Systems	5	0.4%	1	4
Electrodynamics	14	1.0%	1	13
Renewable Energy	14	1.0%	3	11
Advanced Topics	28	2.1%	6	22
<b>Mechanical Engineering &amp; Industrial Engineering</b>	<b>1</b>	<b>0.1%</b>	<b>0</b>	<b>1</b>
Mutifunctional Materials	1	0.1%	0	1
<b>Mechanical Engineering</b>	<b>283</b>	<b>21.1%</b>	<b>46</b>	<b>237</b>
Aerospace	2	0.1%	1	1
Materials & Advanced Manufacturing	62	4.6%	15	47
Nanotechnology	67	5.0%	13	54
Operations Research	18	1.3%	3	15
Advanced Topics	134	10.0%	14	120
<b>Advanced Technology</b>	<b>1</b>	<b>0.1%</b>	<b>0</b>	<b>1</b>
Big Data Analytics	1	0.1%	0	1
<b>Data Analytics</b>	<b>14</b>	<b>1.0%</b>	<b>4</b>	<b>10</b>
Big Data Analytics	9	0.7%	0	9
Cloud Visualization	0	0.0%	0	0
Health Informatics	3	0.2%	3	0
Advanced Topics	2	0.1%	1	1
<b>Data Science</b>	<b>24</b>	<b>1.8%</b>	<b>5</b>	<b>19</b>
Quantitative Economics and Econometrics	1	0.1%	1	0
Big Data Analytics	21	1.6%	4	17
Intelligent Mobility	1	0.1%	0	1
Health Informatics	1	0.1%	0	1
<b>Computer Science &amp; Information Technology</b>	<b>53</b>	<b>4.0%</b>	<b>3</b>	<b>50</b>
Cyber Gaming	23	1.7%	2	21
Information Assurance & Cyber Security	30	2.2%	1	29
<b>Computer Science</b>	<b>509</b>	<b>38.0%</b>	<b>71</b>	<b>438</b>
Big Data Analytics	1	0.1%	0	1
Cyber Gaming	80	6.0%	14	66
Game Development & Simulation	108	8.1%	7	101
Information Assurance & Cyber Security	177	13.2%	24	153
Software Engineering	65	4.9%	14	51
Advanced Topics	79	5.9%	12	67
<b>Science &amp; Technology Management</b>	<b>22</b>	<b>1.6%</b>	<b>2</b>	<b>20</b>
Logistics	0	0.0%	0	0
Logistics and Supply Chain Management	22	1.6%	2	20
Materials & Supply Chain	0	0.0%	0	0
<b>Business Analytics</b>	<b>50</b>	<b>3.7%</b>	<b>8</b>	<b>42</b>
Intelligent Mobility	7	0.5%	0	7
Logistics and Supply Chain Management	37	2.8%	5	32
Quantitative Economics and Econometrics	6	0.4%	3	3
Advanced Topics	0	0.0%	0	0

<b>Engineering Mathematics</b>	<b>2</b>	<b>0.1%</b>	<b>1</b>	<b>1</b>
<b>Mathematics Medicine and Biology</b>	<b>2</b>	<b>0.1%</b>	<b>1</b>	<b>1</b>
<b>Complex Systems</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0</b>
<b>Engineering Physics</b>	<b>5</b>	<b>0.4%</b>	<b>1</b>	<b>4</b>
<b>Physics of Energy and Sustainability</b>	<b>2</b>	<b>0.1%</b>	<b>1</b>	<b>1</b>
<b>Physics of Medicine</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0</b>
<b>Physics of Space</b>	<b>3</b>	<b>0.2%</b>	<b>0</b>	<b>3</b>
<b>Environmental Engineering</b>	<b>4</b>	<b>0.3%</b>	<b>3</b>	<b>1</b>
<b>Water Concentration</b>	<b>4</b>	<b>0.3%</b>	<b>3</b>	<b>1</b>
<b>Modern Techniques in Sustainability</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0</b>
<b>Undecided</b>	<b>32</b>	<b>2.4%</b>	<b>5</b>	<b>27</b>
<b>Engineering MS</b>	<b>23</b>	<b>1.7%</b>	<b>6</b>	<b>17</b>
<b>Computer Science MS (Innovation &amp; Technology MS)</b>	<b>27</b>	<b>2.0%</b>	<b>8</b>	<b>19</b>
<b>Non-Degree Seeking</b>	<b>24</b>	<b>1.8%</b>	<b>4</b>	<b>20</b>

Percent Headcount Undergraduate Programs



Top 5 Concentrations



## Student Credit Hours

Students at Florida Poly produced 17,677 credit hours in Fall 2019 (Fall 2018; 18,592) . As in previous terms most of the student credit hours were generated by full-time undergraduates. The average credit load per student continues to be just over 13 credits.

Total Credit Hours	
<b>Undergraduate</b>	<b>17,057</b>
Full-Time	16,007
Part - Time	1,050
<b>Graduate</b>	<b>420</b>
Full - Time	387
Part - Time	33
<b>Non-Degree Seeking</b>	<b>200</b>
Part - Time	200
<b>Total Credit Hours</b>	<b>17,677</b>

Average Credit Load	
<b>Undergraduate</b>	<b>13.5</b>
Full - Time	14.1
Part - Time	8.1
<b>Graduate</b>	<b>8.4</b>
Full - Time	9.0
Part - Time	4.7
<b>Non-Degree Seeking</b>	<b>8.3</b>
Part - Time	8.3
<b>Average Credit Load</b>	<b>13.2</b>

Headcount by Credit Load Status		
<b>Undergraduate</b>	<b>1,265</b>	<b>94.5%</b>
Full-Time	1,136	84.8%
Part - Time	129	9.6%
<b>Graduate</b>	<b>50</b>	<b>3.7%</b>
Full - Time	43	3.2%
Part - Time	7	0.5%
<b>Non-Degree Seeking</b>	<b>24</b>	<b>1.8%</b>
Part - Time	24	1.8%
<b>Total Headcount</b>	<b>1,339</b>	

## Student-to-Faculty Ratio

<b>Average Class Size</b>	<b>22</b>
<b>Student to Faculty Ratio (IPEDS)</b>	<b>16 to 1</b>
<b>Florida Poly Student to Faculty Ratio</b>	<b>18 to 1</b>

Florida Poly student to faculty ratio is the proportion of full time undergraduate students to full time faculty.

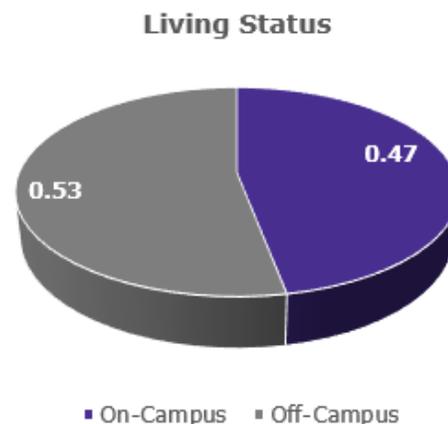
## Student Age

Student's age at Florida Polytechnic ranges from 17 years of age to 61 years of age with an average of 21.

<b>Student Median Age</b>	<b>20</b>
<b>Student Mode Age</b>	<b>18</b>
<b>Student Average Age</b>	<b>21</b>
<b>Student Age Range</b>	<b>17 to 61</b>

## Residency & Living Status

<b>U.S. Residency Status</b>	
<b>In-State</b>	<b>92.4%</b>
<b>Out-of-State</b>	<b>4.3%</b>
<b>International</b>	<b>3.3%</b>



## FACULTY & STAFF PROFILE

This section will present faculty and staff demographics, as well as a general headcount of faculty/staff at Fall 2019 Census.

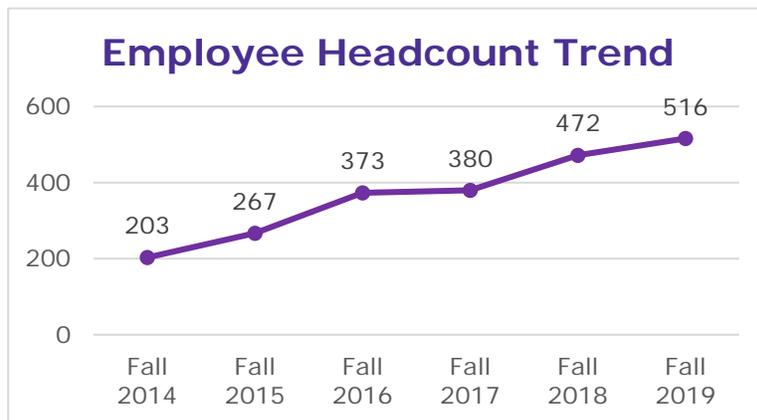
### Employees by Position Level

Florida Polytechnic University has 516 employees, including FIPR – Florida Industrial & Phosphate Research Institute and student workers (up 45 from fall 2018). Full-time staff and administration are 33% of the total number of employed. Faculty are 20% and OPP employees are 7% of the total. Florida Poly has 225 student workers. Students hired by the University work as research assistants, educational assistants, graduate assistants, and supporting administrative areas.

Employees by Position Level		
	Total Headcount	Percentage of Total
<b>Executive Leadership &amp; Staff</b>	<b>168</b>	<b>33%</b>
Executive Leadership	16	3%
Staff	152	29%
<b>Faculty<sup>1</sup></b>	<b>102</b>	<b>20%</b>
Adjunct Professor <sup>2</sup>	25	5%
Visiting Assist./Assoc. Professor	3	1%
Instructor	9	2%
Assistant Professor	46	9%
Associate Professor	15	3%
Professor	4	1%
<b>OPS</b>	<b>37</b>	<b>7%</b>
University	37	7%
<b>Student Workers</b>	<b>225</b>	<b>44%</b>
Educational Assistants	91	18%
Research Assistants	21	4%
Support	80	16%
Graduate Assistant	33	6%
<b>Total Number of Employees</b>	<b>516</b>	<b>100%</b>

<sup>1</sup> Department and Divisions Chairs counted as faculty

<sup>2</sup> Includes staff adjuncts



**Faculty & Staff Diversity**

<b>Race/Ethnicity</b>		
	<b>Total Headcount</b>	<b>Percent of Total Headcount</b>
American Indian or Alaskan Native	5	1.0%
Asian	55	10.7%
Black or African American	43	8.3%
Hispanic or Latino	70	13.6%
White	333	64.5%
Race and Ethnicity Unknown	10	1.9%

<b>Employees by Gender</b>		
	<b>Total Headcount</b>	<b>Percentage of Total</b>
Male	340	66%
Female	175	34%
Gender Unknown	1	0%