



**FLORIDA POLYTECHNIC**  
UNIVERSITY

## **University Strategic Plan**

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# Differentiation (SWOT)

- 
- **Florida Poly is a small institution**
    - (O) Can offer a high-touch model with smaller classes
    - (O) Can offer an academically integrated project-based curriculum experience
    - (O) Can build relationships with Small and Medium Businesses (SMBs) in Florida
    - (T) Must graduate exceptional, industry prepared students to increase impact
    - (T) Must offer an outstanding student user experience
  - **Florida Poly is a new institution**
    - (S) Has no legacy programs nor administrative structures
    - (S) Has limited traditional bureaucracies & cultures
    - (T) Must be creative in building out the campus through nontraditional means
  - **Florida Poly is 100% STEM**
    - (O) Can offer industry-aligned majors in fast-growing areas
    - (T) Must build strong partnerships with industry for economic benefit
    - (T) Must provide opportunities for professional skill growth
    - (T) Must control administrative costs to offset expensive programs
    - (W) No “retreat” majors hence lower retention and graduation rates
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# Positioning

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- **Mission Statement**

**Serve students and industry through excellence in education, discovery and application of engineering and applied sciences**

- **Vision Statement**

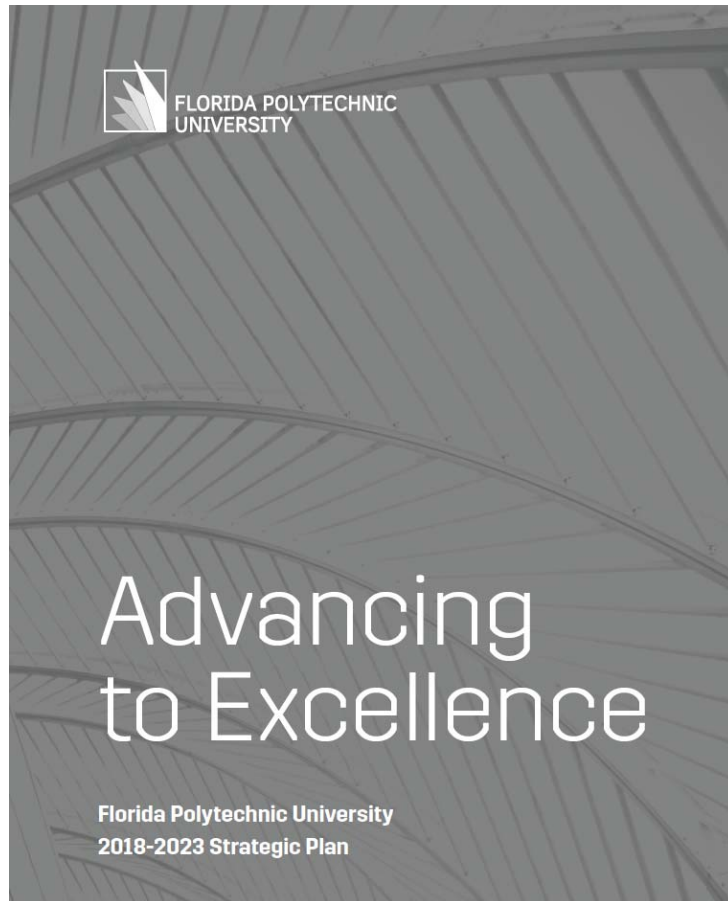
**Florida Poly will be a premier STEM university known for producing highly desirable graduates and new technology solutions**

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# Priorities

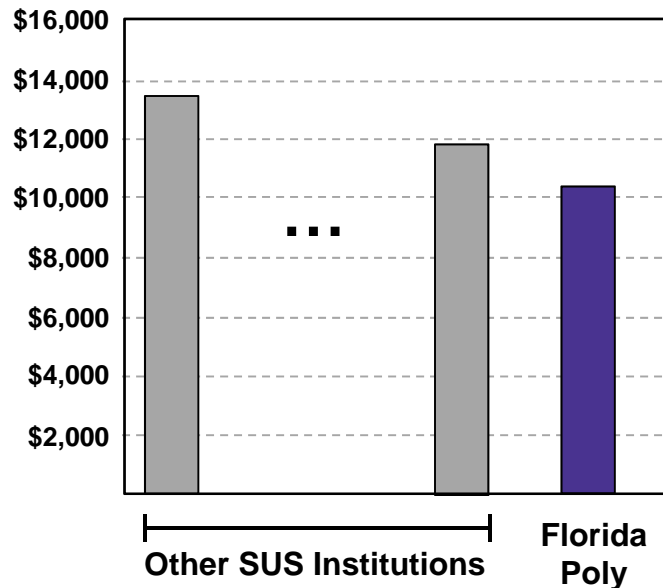


- Degree Alignment
- Student Success
- Economic Development
- Affordability & Efficiency

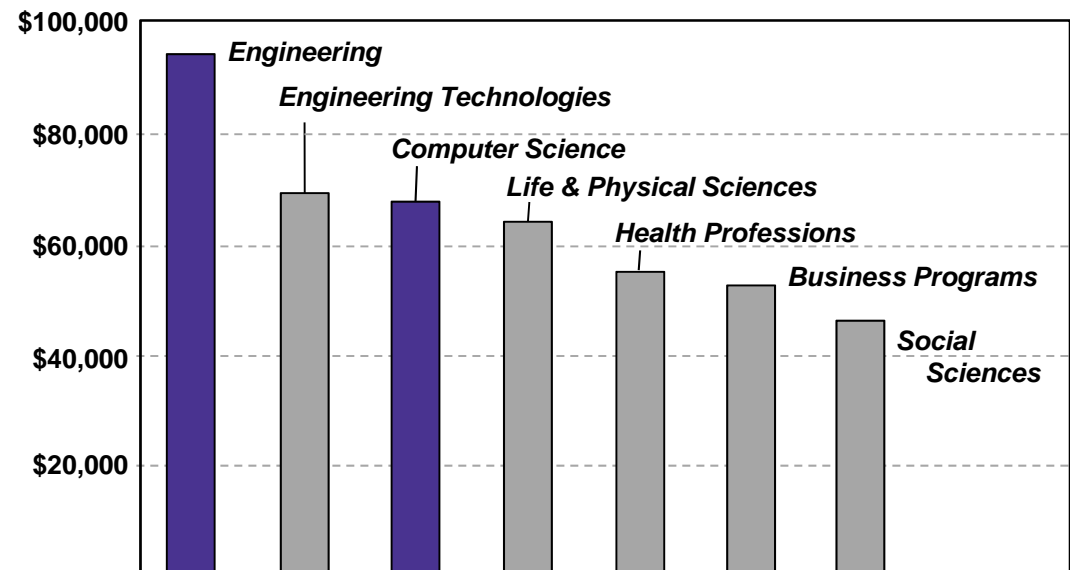
**“Advancing to Excellence” provides the goals and objectives for Florida Poly to become a premier STEM institution**

# Payments

## • Tuition & Fees



## • Program Costs at Public Four-Year Institutions<sup>1</sup>



- Florida Poly's tuition and fees are the lowest in the Florida system, which is the lowest system in the country, while having the most expensive programs
- Costs have been contained through several organizational constructs
  - Flat horizontal organization with "thin membranes" and centralized services
  - Lean Six Sigma to optimize processes
- Need new investments to achieve institutional goals

<sup>1</sup> Delta Cost Project; American Institutes For Research – Full attribution costs for public four-year universities, 2009 data

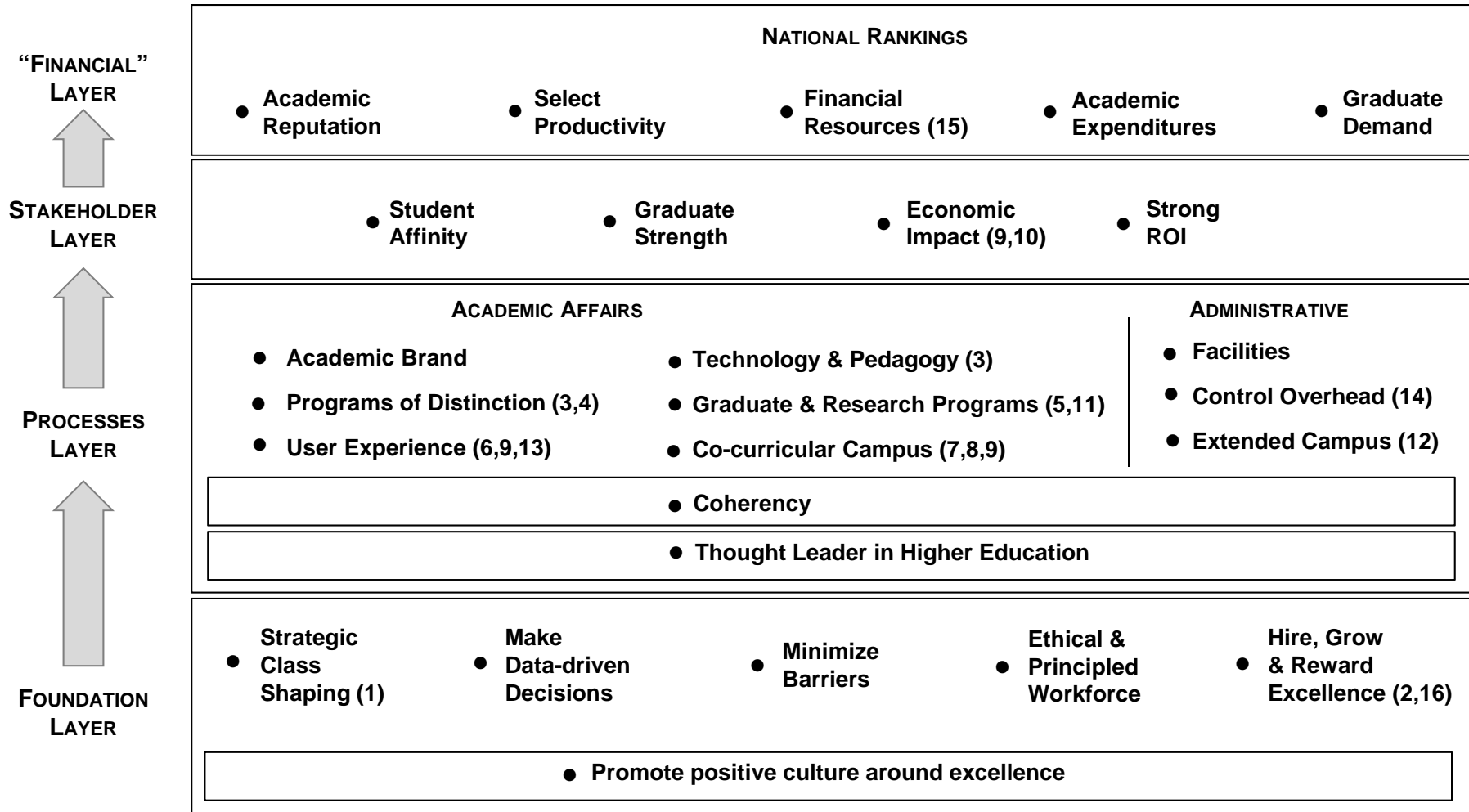


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# Performance

**MISSION:** To serve students and industry through excellence in education, discovery and application of engineering & applied sciences

**VISION:** Florida Poly will be a premier STEM university known for producing highly desirable graduates and new technology solutions



# Summary

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- **Florida Poly's strategic plan was fashioned on a three-pronged differentiation strategy**
- **"Advancing to Excellence" builds on the vision that created the University with focus on building programs of distinction in engineering and applied sciences**
- **Although the University is entering a new maturation phase it is still a start-up institution**
- **Funding and facility growth are critical to the success of the institution**

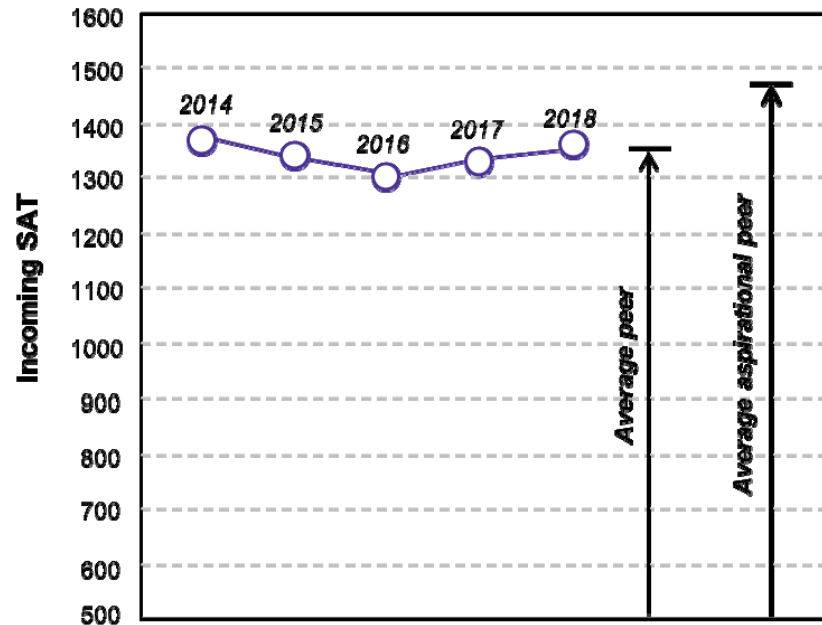
<https://www.youtube.com/watch?v=2RdRjliK7Dc>

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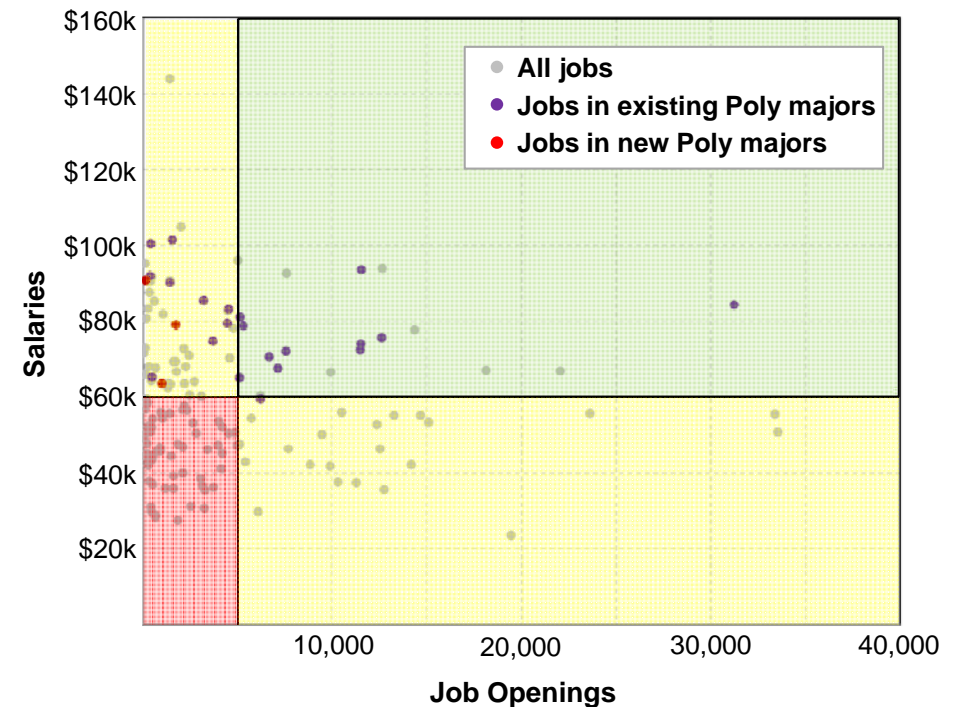


# Degree Alignment

## • Student scores<sup>1</sup> (SAT)



## • Program quality<sup>2</sup> (jobs)



- Degree alignment focuses on building programs of distinction (i.e., excellence in curriculums, faculty and students) that lead to high-paying jobs
- Of the 235,000 high school graduates in Florida that took the SAT only 1,932 want our majors and have the appropriate test scores, many of those have traditionally gone out of state

<sup>1</sup>College Navigator, IES NCES (IPEDs data)

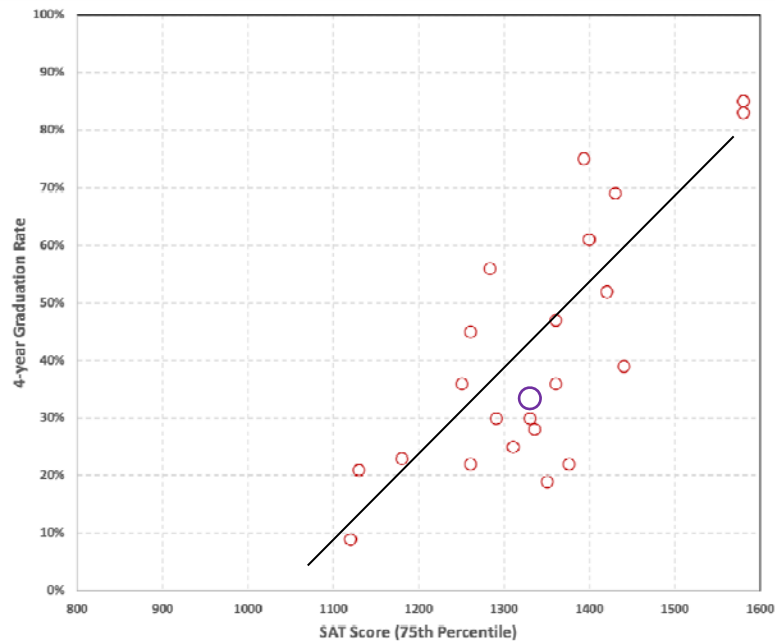
<sup>2</sup><http://www.floridajobs.org/workforce-statistics/data-center/statistical-programs/employment-projections>



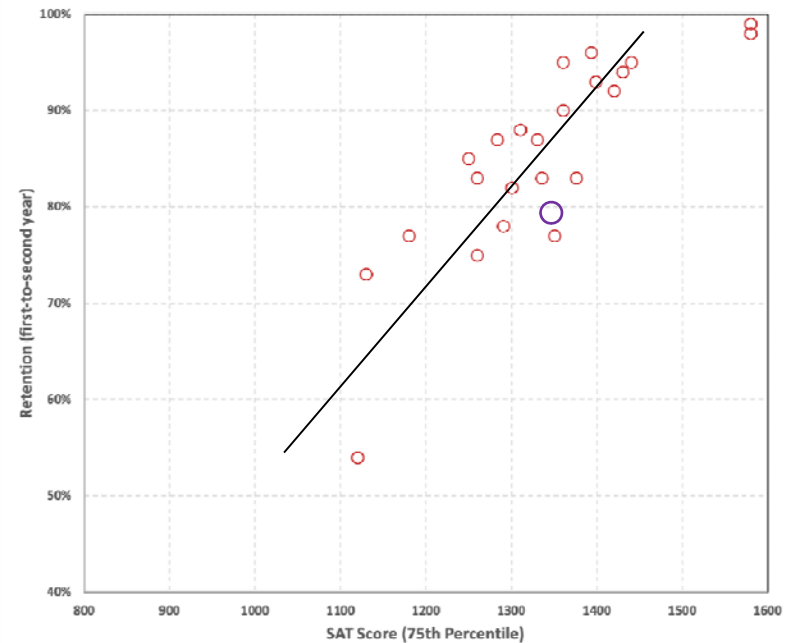


# Student Success

## • 4-year graduation rate<sup>1</sup>



## • First-to-second year retention<sup>1</sup>



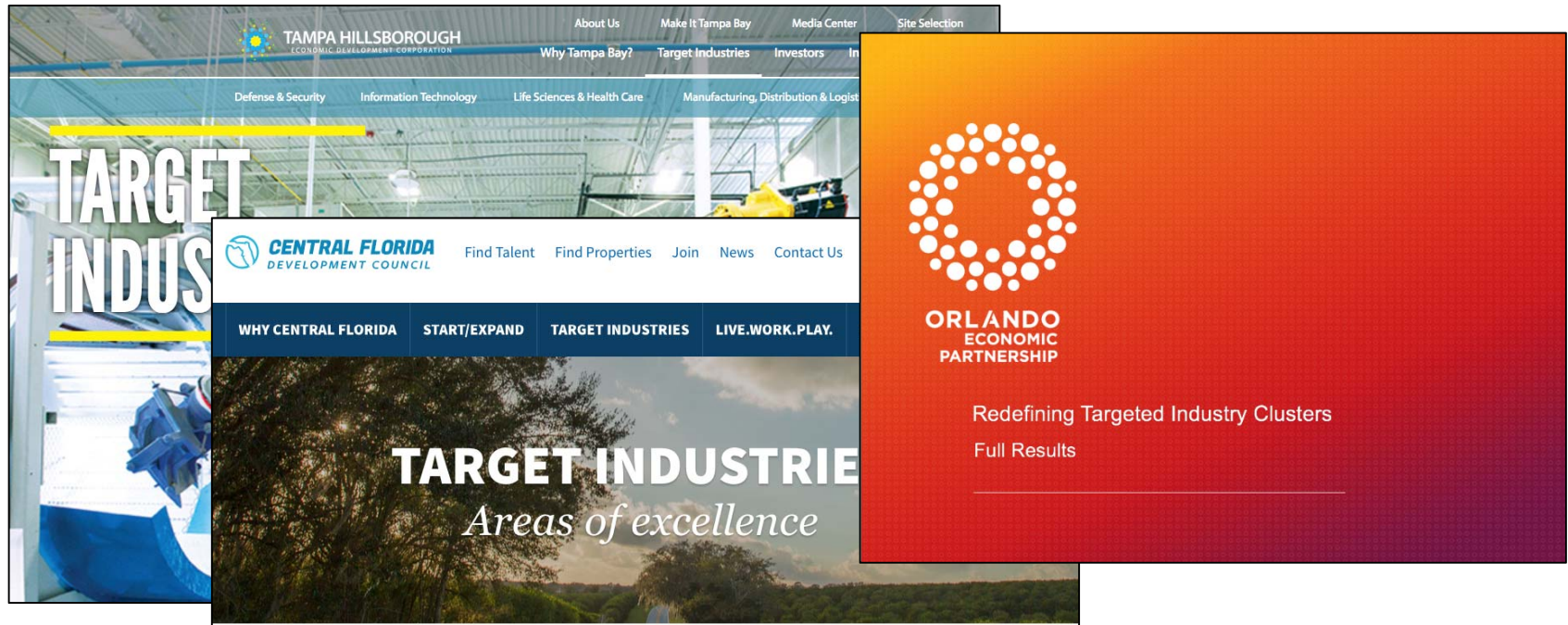
- Growing focus on high-touch student interaction model through increased number of student support and career service programs
- Continued emphasis on creating co-curricular programs in professional skills, leadership, projects and internships
- Preliminary self-reported data suggests that over 70% graduates are “employed” at 148 companies making between \$50k and \$70k

<sup>1</sup>College Navigator, IES NCES (IPEDs data)



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# Economic Development



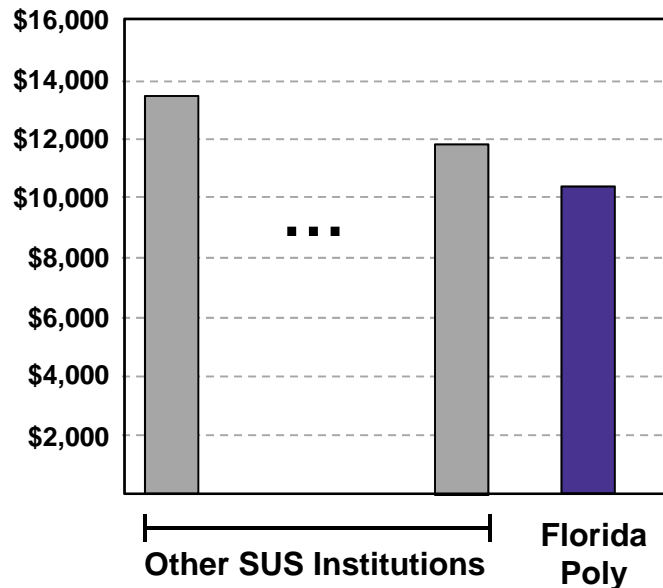
- Majors provide concentrations in technologies that cut across multiple industry verticals
- Industry verticals derived from target industries and could include Defense & Aerospace, Advanced Manufacturing & Logistics, Information Systems, Health Engineering and Autonomous Systems



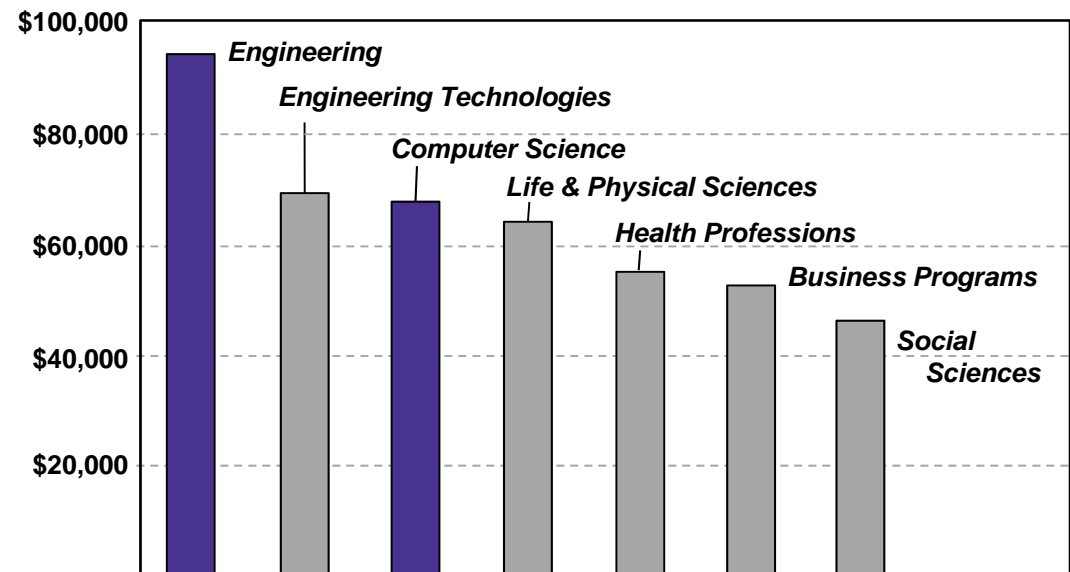
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# Affordability & Efficiency

## • Tuition & Fees



## • Program Costs at Public Four-Year Institutions<sup>1</sup>



- Florida tuition & fees rank 50<sup>th</sup> by state and Florida Poly has the lowest tuition & fees within the system
- Florida Poly majors are the most expensive majors
- Costs contained through organizational structures for only so long
  - Flat horizontal organization with “thin membranes” and centralized services
  - Lean Six Sigma to optimize processes

<sup>1</sup> Delta Cost Project; American Institutes For Research – Full attribution costs for public four-year universities, 2009 data