



HIGHER EDUCATION
REIMAGINED



FLORIDA POLYTECHNIC
UNIVERSITY

EDUCATION MEETS INNOVATION

The architects of the future are built one class at a time;
one idea at a time.

At Florida Polytechnic University, we know the leaders of tomorrow want a university that is forward-thinking, tech-savvy, and nimble as it embraces the latest in technology and academic innovation.

When we opened our doors in 2014, it was with a **laser-sharp focus** on the future.

Florida Poly was engineered from the ground up to push the boundaries of education in science, technology, engineering, and math (STEM). Our STEM-centric curriculum with 31 programs of study is designed to prepare graduates for exciting careers in today's fastest-growing fields.

More of Florida's high-ability students can now remain in the state to receive a world-class STEM education and contribute their skills to Florida's emerging high-tech economy.

FAST FACT:



80-85% of
Florida Poly
graduates
have secured
jobs with
salaries
beginning at
\$50,000
or more.





FAST FACT:



An active student organization community ensures there's a fit for everyone. Professional and civic organizations mesh with fun clubs like the Hammock Club and Nerf-Tech to create an exciting and friendly environment.



PERSONALIZED EXPERIENCE

PURSUE YOUR PASSION

Whether a student is excited about anime, engineering, video games, or robotics, Florida Poly has an academic, professional, or interest club to match that passion. There are 38 student clubs and dozens of intramural teams on campus.

INTERNATIONAL APPEAL

Students from more than 20 countries and 5 continents study at Florida Poly, allowing students to expand their world-view and widen their perspectives without leaving campus.

SMALL CAMPUS, BIG IMPACT

With a student-to-professor ratio of 16:1, Florida Poly students are able to create lasting and meaningful relationships with their classmates and professors, providing opportunities for personalized development and success. Additionally, a compact campus means faculty is never far when students need a helping hand.





FAST FACT:

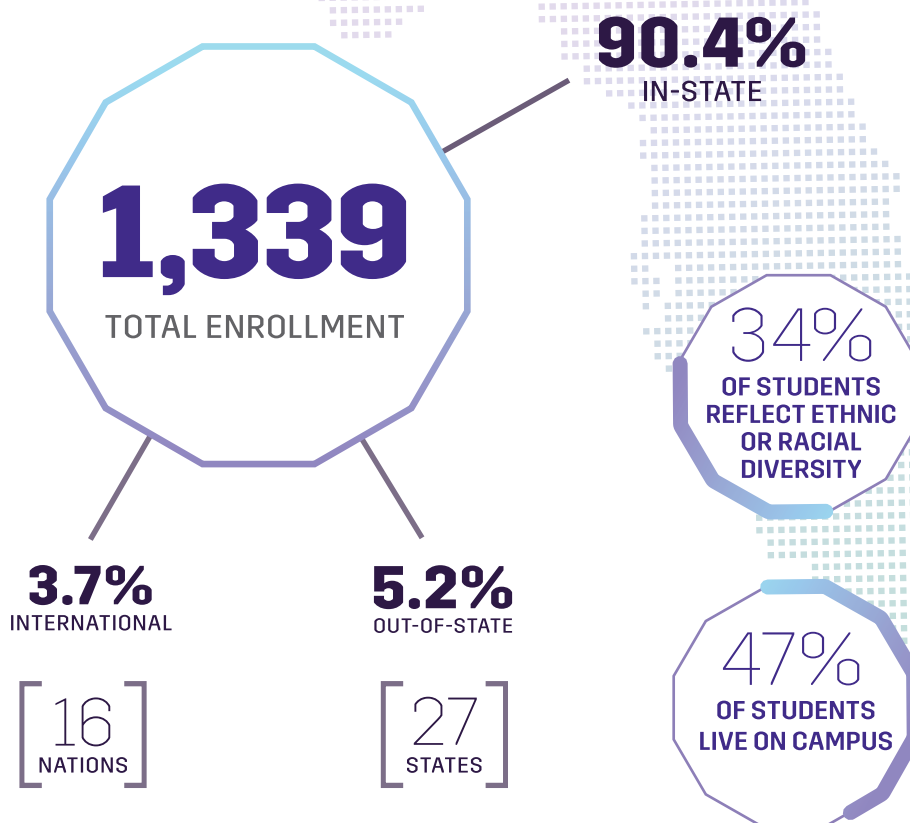


Student events throughout the year involve a variety of passions. An annual hackathon shows off problem-solving skills; FLPolyCon is a student-run convention celebrating anime, sci-fi, comics, video games, and more; and the Pi Run along a scenic 3.14-mile course raises money for scholarships.

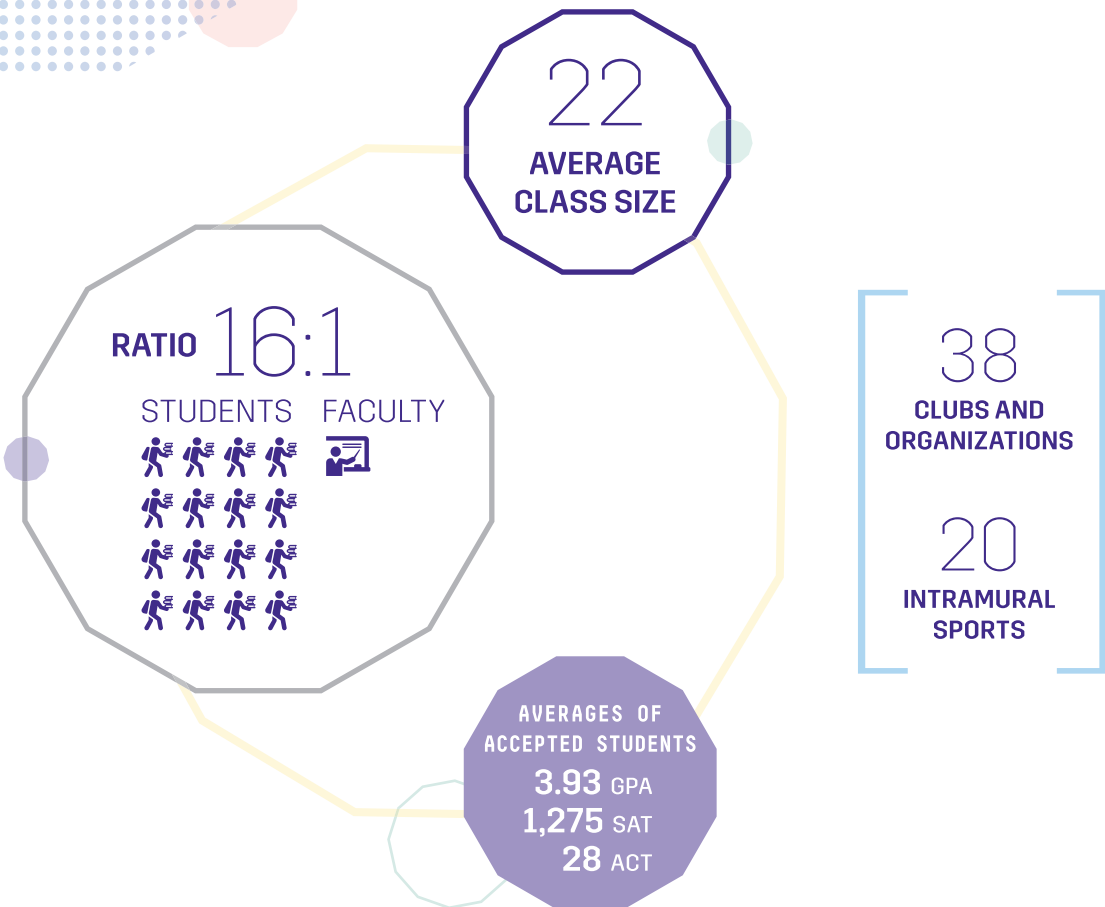


BY THE NUMBERS

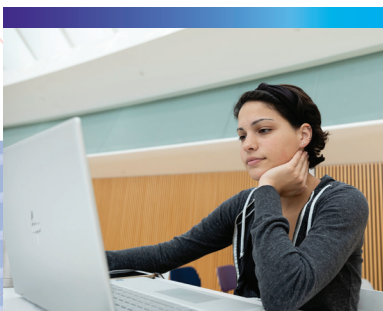
ACADEMIC PROFILE



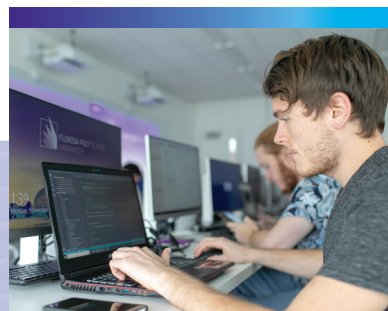
FAST FACT: Only 30% of Florida Poly graduates have student debt, which averages less than \$9,000.



TOP 2 MAJORS



Computer Science



Computer Engineering

DEGREES THAT PROPEL THE FUTURE

Florida Poly offers nine undergraduate degrees with 31 programs of study, as well as 2 graduate degrees with concentrations in 6 areas. The programs of study and concentrations constantly evolve to meet the changing needs of industry and the state's economy.

BACHELOR'S DEGREES

- » Business Analytics
 - › Logistics & Supply Chain Management
 - › Health Informatics
 - › Intelligent Mobility
 - › Quantitative Economics & Econometrics
- » Computer Engineering
 - › Advanced Topics
 - › Autonomous Robotic Systems
 - › Digital Logic Design
 - › Embedded System Design
 - › Machine Intelligence
- » Computer Science
 - › Game Development & Simulation
 - › Cyber Security
 - › Software Engineering
- » Data Science
 - › Big Data Analytics
 - › Health Informatics
 - › Intelligent Mobility
 - › Quantitative Economics & Econometrics
- » Electrical Engineering
 - › Advanced Topics
 - › Control Systems
 - › Electromagnetic & Communications
 - › Renewable Energy
- » Engineering Mathematics
 - › Complex Systems
 - › Mathematical Medicine & Biology
- » Engineering Physics
 - › Physics of Space
 - › Physics of Medicine
 - › Physics of Energy
- » Environmental Engineering
 - › Modern Techniques in Sustainability
 - › Water
- » Mechanical Engineering
 - › Advanced Topics Electives
 - › Aerospace
 - › Materials & Advanced Manufacturing
 - › Mechanical & Thermal Systems
 - › Nanotechnology
 - › Operations Research

MASTER'S DEGREES

- Master of Science in Engineering
 - › Computer Science
 - › Data Science
- Master of Science in Computer Science
 - › Computer Engineering
 - › Electrical Engineering
 - › Engineering Management
 - › Mechanical Engineering

Degree concentrations are available in varied and high-demand areas such as autonomous robotic systems, game development and simulation, cyber security, nanotechnology, and renewable energy.

Florida Poly is accredited by the Southern Association of Colleges and Schools Commission on Colleges. The computer engineering, computer science, electrical engineering, and mechanical engineering bachelor's degrees have also been accredited by the Computing and Engineering Accreditation of the Accreditation Board for Engineering and Technology (ABET).

“I talk to my professors daily and I like that I can come up the stairs and knock on their door. It has helped me tremendously.”

Geoffrey Doback '21,
Mechanical Engineering Major



BUILDING FROM THE INSIDE OUT

Florida Poly was founded with an aim toward forging the leading edge of academic rigor, innovation, and excellence. This is put into practice every day from the curriculum students experience to the equipment they use.

Students gain practical knowledge throughout their educational journey with an emphasis on project-based work.

Curriculum is developed in collaboration with industry representatives to ensure what students learn is what the industry needs. Students also can participate in internships across the region and the nation, or complete a Capstone research project with local and regional companies during their senior year to help find solutions to real problems.

From the moment Florida Poly students step onto campus, they have access to some of the most advanced equipment available. Bringing textbook learning to life is easy when students have 3D printers, robotics, drones, and remote-management equipment [at their fingertips](#).

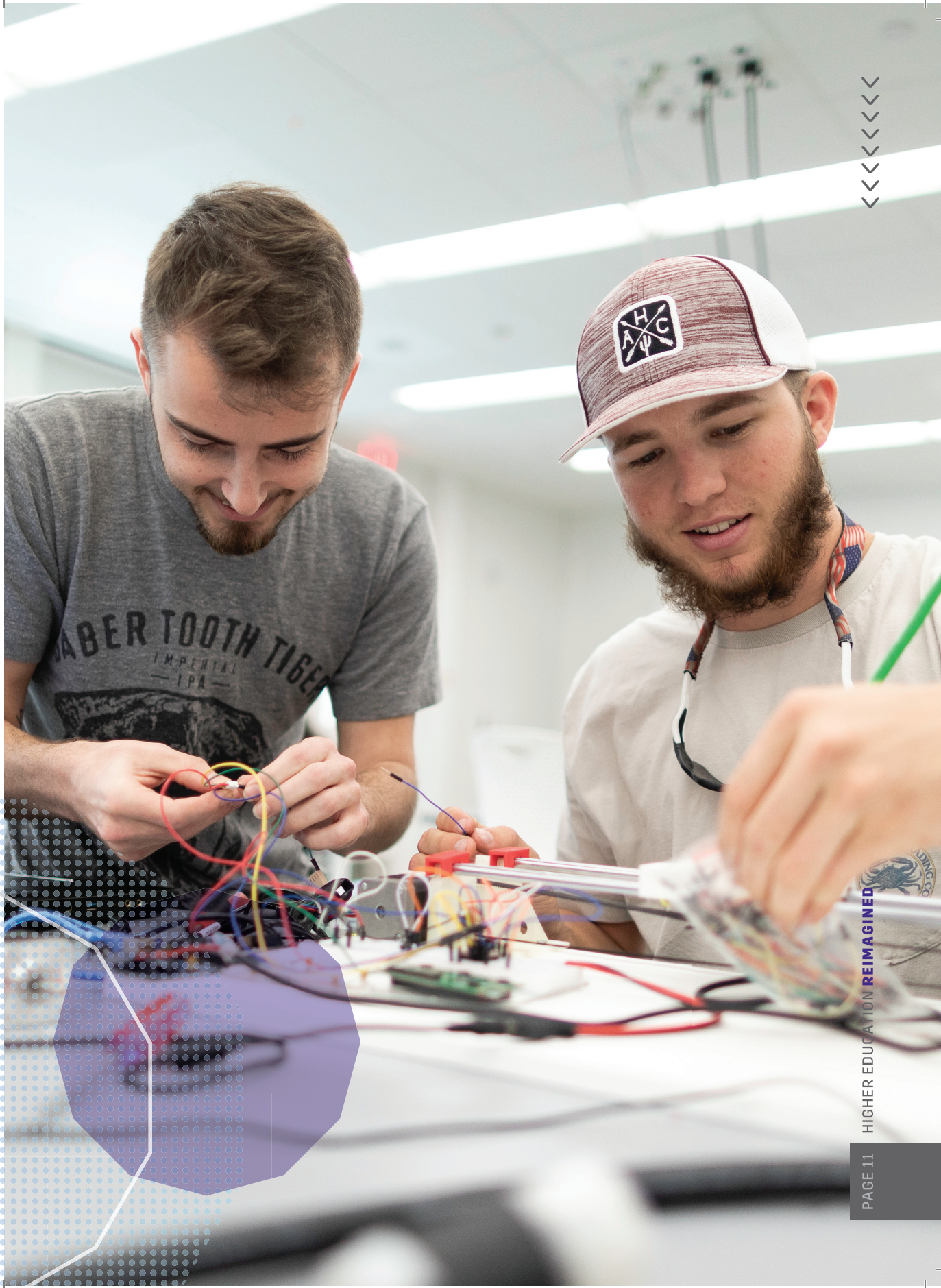
“It was such a valuable experience to be able to take what we learned here at Florida Poly and apply it to a practical engineering problem.”

Chris Konow '21,
Mechanical Engineering Major and
Capstone Showcase Participant

FAST FACT:



Florida Poly is home to an all-digital collection of more than 150,000 full text e-books. The collection would need 15,000 linear feet of shelving if it was not in digital format.



RESEARCH: ENGINEERED TO BE **EXTRAORDINARY**

Research at Florida Poly is improving lives and changing businesses, with impact ranging from the local Lakeland community to the outer-reaches of space. Florida Poly students and professors are shaping the future with research like:

- Creating new tools to detect radiation and protect lives
- Discovering breakthrough methods to monitor health signals for unborn babies
- Preparing for the future of driverless vehicles and autonomous transportation
- Improving mental and physical health outcomes for astronauts
- Harnessing the power of lake algae for space travel
- Developing protections against cyber crime

“Companies not only want to build relationships with undergraduates in order to hire them after receiving their degree, they want to partner with faculty conducting cutting-edge research and graduate students performing much of the work.”

Dr. Randy Avent
President, Florida Poly





We're also planning for the future with **Florida Poly 2.0**, which includes our strategic plan and goal for the economic development of 4,000 acres surrounding Florida Poly to create a research park that brings together industry, academia, and government.



FAST FACT:



The Innovation, Science, and Technology (IST) Building at the heart of Florida Poly's campus was designed by world-renowned architect Dr. Santiago Calatrava and has won more than **20 global awards**.

PARTNERSHIPS REDEFINED

Florida Polytechnic University believes applied research should be more than just a buzzword. That's why we strategically target priority areas while partnering with industry leaders to find [solutions to tomorrow's problems](#).

- **Advanced Mobility Institute (AMI):** AMI's mission is to coordinate research and partnerships in the burgeoning autonomous vehicle industry while stimulating economic development. Through partnerships with industry leaders, AMI is leading the way in research and work in developing areas of transportation.
- **Applied Research Center (ARC):** The 85,000-square-foot building broke ground in September 2019 and will become a research hub for students, faculty, and high-tech industry in the region.
- **Florida Industrial and Phosphate Research (FIPR) Institute:** It supports phosphate-related studies to improve the environment, protect public health, and increase mining and processing efficiency.



“Autonomous vehicle technology has the potential to have an impact as significant as the internal combustion engine.”

Dr. Rahul Razdan

Senior Director for Special Projects, Florida Poly
and AMI Manager



GRADUATING FLORIDA'S HIGH-TECH FUTURE

Analytical thinkers with a passion for STEM, problem-solvers, budding entrepreneurs, and gadget gurus are all right at home at Florida Polytechnic University.

Florida Poly's campus culture is designed to spark technological advancement and create a learning environment where real-world experience and industry partnerships are not the exception; they are the rule. The University's interconnected community of bright and interesting innovators creates a place where students can feel comfortable in their identity and proud of their distinctiveness.

Students get hands-on expertise to design and master the technologies of the future. With 55,000 unfilled STEM jobs in Florida and STEM job growth estimated at approximately 25 percent by 2021, Florida Poly provides the kind of graduates Florida needs to compete in the global innovation marketplace.

LEARN MORE TODAY

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Lakeland, FL 33805



FLORIDA POLYTECHNIC
UNIVERSITY

FAST FACT:



The iconic IST Building's wing-like hydraulically-activated brise-soleil move throughout the day to optimize sunlight inside the building. The structures are part of the reason the building was named among **the most breathtaking in the world.**



FLORIDAPOLY.EDU

