FLORIDA POLYTECHNIC UNIVERSITY

Technology. Engineering. Applied Research.

Establishment

- March 9, 2012 - Enrolled by Legislature
- April 20, 2012 - Signed into law by Governor Scott
- August 2012 - First Board of Trustees meeting
- December 1, 2012 – Chief Operating Officer started

Key Statutory Milestones

By December 31, 2016

- Achieve SACS accreditation
- Initiate development of new STEM programs
- Seek discipline specific accreditation for programs
- Attain minimum FTE of 1,244
  - At least 50% in STEM
  - At least 20% in STEM related programs
- Complete facilities and infrastructure
  - Innovation, Science & Technology building
  - Wellness Center, Phase I
  - Residence hall (at least 190 beds)

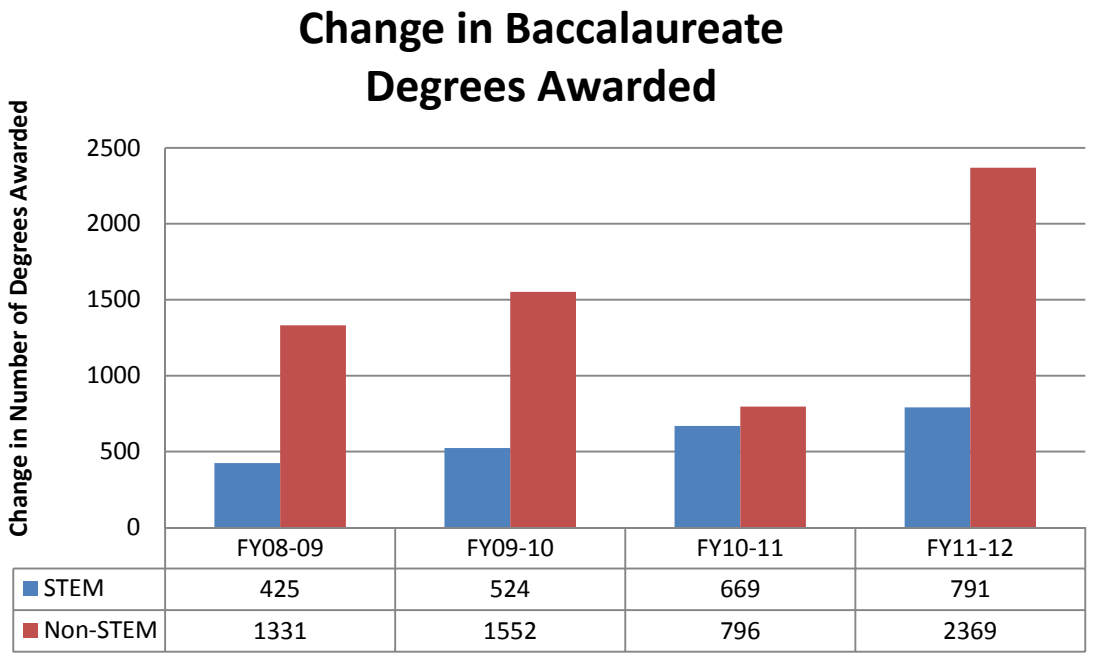
Mission

- To educate students emphasizing Science, Technology, Engineering, and Mathematics (STEM) in an innovative, technology-rich, and interdisciplinary learning environment.
- To offer students real-world problem-solving, work experience, applied research and business leadership opportunities.
- To prepare students to assume leadership positions in the dynamic technological landscape in Florida, the nation, and the world.

Vision

- Aspire to be a nationally and internationally recognized institution of higher learning .
- Prepare students to lead Florida's high tech industries.
- Focus on practical and applied research, internships with industry partners, and hands-on leadership opportunities for students.
- Hire distinguished faculty who excel in their fields.

The Talent Gap

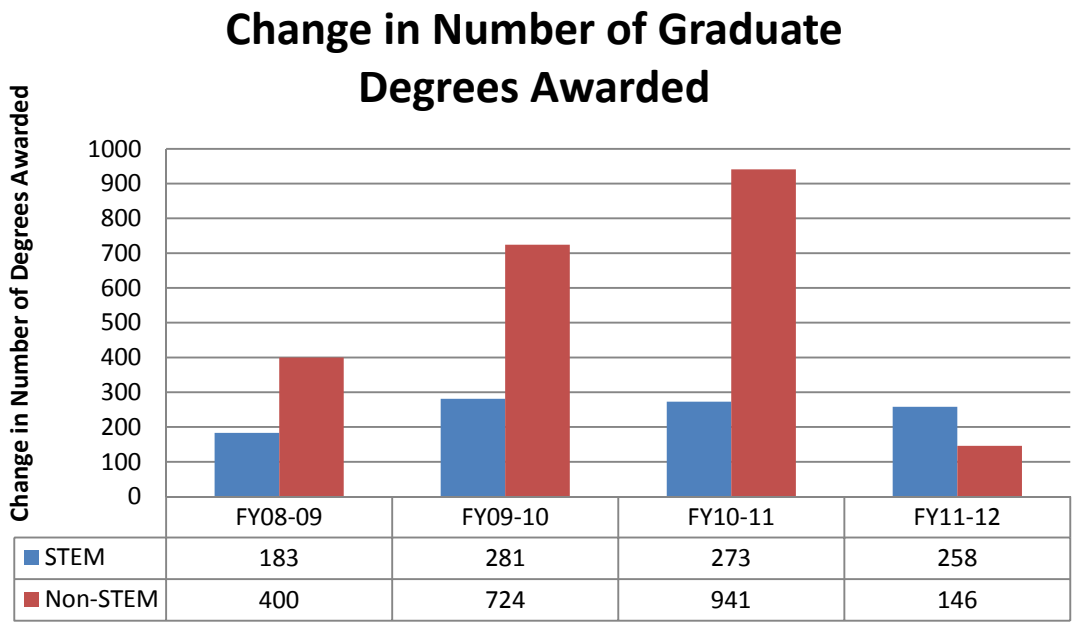


	FY08-09	FY09-10	FY10-11	FY11-12
STEM	425	524	669	791
Non-STEM	1331	1552	796	2369

Non-STEM Baccalaureate Degrees increased by 6,048 during the period.

STEM Baccalaureate Degrees increased by only 2,409 during the period.

The Talent Gap



	FY08-09	FY09-10	FY10-11	FY11-12
STEM	183	281	273	258
Non-STEM	400	724	941	146

Non-STEM Graduate Degrees increased by 2,216 over the five year period.

STEM Graduate Degrees increased by only 995 over the five year period.

Operating Revenue & Expenditures

2012-2013

Appropriations	
E&G	
GR	$22,043,995
Lottery	$367,509
Student Financial Assistance	$50,000
Total Appropriations	**$22,461,504**
Expenditures	
Salaries and Benefits	$999,281
OPS	$1,365
Operating Expenses	$2,045,131
Other Capital Outlay	$480,329
Total Expenses	**$3,526,106**
5% Reserve:	**$1,120,575**
Total Expenses and Reserve	**$4,646,681**
2012-2013 Carry Forward	**$17,814,823**

Operating Revenue & Expenditures

2013-2014

Appropriations		
E&G		
GR	$28,279,555	
Lottery	$367,509	
Student Financial Assistance	$50,000	
Total Appropriations	**$28,697,064**	
Expenditures	**As of December 2013**	**June 30, 2014 (Est.)**
Salaries and Benefits	$1,981,073	$6,600,000
OPS	$55,000	$300,000
Operating Expenses	$1,998,555	$8,414,703
Operating Capital Outlay	$1,370,865	$7,500,000
Total Expenses	**$5,405,493**	**$22,814,703**
5% Reserve:		**$1,432,353**
Total Expenses and Reserve		**$24,247,056**
Estimated 2013-2014 Carry Forward:		**$4,450,008**

Accreditation

Trainings and Workshops

Project Management Software – track and coordinate SACS related activities

SACSCOC Responsibility Matrix – consider all decisions within the context of SACS accreditation

Xitracs Software – manage accreditation and compliance projects *(application, strategic planning, credentials, program reviews, etc.)*

Accreditation Consultant – assist with preparation

Graduation of first class – required prior to accreditation

Academic Program Development

Board of Trustees Considered:

- Forecasted industry and occupational growth
  - Department of Economic Opportunity
  - Workforce Florida
- Enterprise Florida Clusters of targeted industries and strategic areas of emphasis
- Trends in student demand
- Offerings among other polytechnic universities nationally and SUS sister institutions
- Board of Governors Commission on Higher Education Access and Attainment (CHEAA)

FLORIDA POLY

Classes start August 2014

2 Colleges offering 6 Bachelor and 2 Master degrees

COLLEGE OF ENGINEERING

Bachelor of Science Degrees

COMPUTER ENGINEERING
with one of the following concentrations
- *Digital Logic Design*
- *Embedded System Design*
- *Machine Intelligence*

ELECTRICAL ENGINEERING
with one of the following concentrations
- *Control Systems*
- *Digital & Hybrid Systems*
- *Electrodynamics*
- *Magnetics*
- *Semiconductors*

MECHANICAL & INDUSTRIAL ENGINEERING
with one of the following concentrations
- *Geometric Dimensioning & Tolerancing*
- *Motion Intelligence*
- *Multifunctional Materials*
- *Nanotechnology*

Master of Science Degree

ENGINEERING

COLLEGE OF INNOVATION & TECHNOLOGY

Bachelor of Science Degrees

ADVANCED TECHNOLOGY
with one of the following concentrations
- *Big Data Analytics*
- *Cloud Virtualization*
- *Health Informatics*

SCIENCE & TECHNOLOGY MANAGEMENT
with one of the following concentrations
- *Logistics*
- *Materials & Supply Chain*

COMPUTER SCIENCE & INFORMATION TECHNOLOGY
with one of the following concentrations
- *Cyber Gaming*
- *Information Assurance & Cyber Security*

Master of Science Degree

INNOVATION & TECHNOLOGY

Analysis of Programs and Concentrations

CIP Code	College of Engineering	Comparable SUS Programs Programs or Concentrations
14.0901	**Computer Engineering (Bachelor's)**	**8**
	Digital Logic Design	0
	Embedded System Design	0
	Machine Intelligence	0
14.1001	**Electrical Engineering (Bachelor's)**	**9**
	Control Systems	0
	Digital and Hybrid Systems	0
	Electrodynamics	0
	Magnetics	0
	Semiconductors	0
14.1901	**Mechanical and Industrial Engineering (Bachelor's)**	**8**
	Geometric Dimensioning and Tolerancing	0
	Motion Intelligence	0
	Nanotechnology	0
	Multifunctional Materials	0
14.0101	**Engineering, General (Master's)**	**1**

Analysis of Programs and Concentrations

CIP Code	College of Innovation and Technology	Comparable SUS Programs or Concentrations
11.0802	**Advanced Technology (Bachelor's)**	**0**
	Big Data Analytics	0
	Cloud Virtualization	0
	Health Informatics	0
52.0203	**Science and Technology Management**	**0**
	Logistics	UNF
	Materials and Supply Chain	UNF
11.0899	**Computer Science and Information Technology**	**1**
	Cyber Gaming	UCF
	Information Assurance and Cyber Security	USF
11.0899	**Innovation and Technology (Master's)**	**0**

Faculty Recruitment

- Categories of faculty
  - Level 1: recent Ph.D. graduates
  - Level 2: Ph.D. with 6 to 8 years experience
  - Level 3: Ph.D. with national/international recognition, significant funded research, mentors
- Faculty contracts (non tenure)
- University Experience
- Industry experience
- Government Labs
- Research and teaching

- 15 full-time faculty signed (goal of 30 by August 2014)
- Supplement with adjunct faculty

Student Recruitment

- AS to BS articulation
- Scholarships
- Partner with STEM focused high schools
- Summer K-12 programs
- Partner with other colleges & universities
- Admissions Building open on campus
- International students

Student Recruitment Diversity

By Gender

26%	Female
74%	Male

By Race

5%	Asian
9%	Black or African American
80%	White or Caucasian
1%	Other
5%	Not Reported

Student Recruitment

Recruitment team is on the road.

COLLEGE FAIRS: 106

HIGH SCHOOL VISITS: 184

COLLEGE CAMPUSES: 12

Interest and Applications.

6,599 inquiries from all 50 states

2,031 APPS

ADMITS: 437

AVERAGE GPA: 3.9

AVERAGE SAT: 1850

AVERAGE ACT: 26

As of January 3, 2014

Transfer students have an average GPA of 3.35

Industry Partnerships

- Industry Partner Summit – September 2013
- Input on curricula & learning experience
- Advisory Boards
- Joint research & teaching opportunities
- Internships & Co-ops

Industry Partners

Facilities Plan

- Innovation, Science & Technology Building
- Admissions Center
- Food Services/Bookstore/Mail, etc.
- 219+ bed residence hall
  - Public, Private Partnership
  - Land lease to developer
  - Construction started December 23, 2013
- Academic Research Center
- Student Achievement Center

Campus Construction Funding

Phase 1 Funds Needed	**$133 M**
GR (land closing costs)	$ 4 M
PECO (2006-2012)	$ 63 M
Transfer from USFP	$ 21 M
Donations	$ 25 M
Carry Forward	$ 20 M
Phase 1 Funds Received	**$133 M**

Phase 1 Projects

Innovation Science & Technology
Admissions Center
Campus Infrastructure
Campus Control Center
Recreational Spaces
Student Services *(dining, bookstore, mail, copy center, health clinic)*
Dorm 1 *(Public Private Partnership)*

Phase 2 Projects

Applied Research Center
Student Achievement Center
Dorm 2

Facilities

Innovation, Science & Technology Building (IST)

Facilities

Admissions Center

Q&A


Coming 2014
FLORIDA
POLYTECHNIC
UNIVERSITY
FloridaPolytechnic.org
Engineering. Technology. Applied Research.