# FLORIDA POLYTECHNIC University

## March 28, 2013

## **Progress Report to the Board of Governors**

Preparing Leaders to Join the Technological Job Market

## **Presentation Overview**

- Statutory Framework for Developing Florida Polytechnic University
- Board of Trustees
- Governance
- SACS Accreditation
- Mission Statement
- Administration
- Peer Institutions
- Identification of Emerging High-Tech Jobs
- Academic Program Analysis
- Campus Development Update
- Potential Industry and Academic Partners
- Faculty
- Students
- Collaboration Efforts

## **Statutory Framework for Developing Florida Polytechnic University**

### Florida Statutes §1004.345

By December 31, 2016, the Florida Polytechnic University shall:

- Achieve accreditation from SACS and seek discipline-specific accreditation for programs
- Initiate the development of new programs in the STEM fields
- Attain a minimum FTE of 1,244, with 50% or more of FTE in STEM fields and 20% in programs related to those fields
- Complete the Science and Technology Building, Phase I of the Wellness Center, a residence hall, and infrastructure
- Have the ability to provide, directly or through shared services, administration of financial aid, admissions, student support, IT, and finance and accounting with an internal audit function

## **Board of Trustees**

- Chairman Robert Gidel, Managing Partner of Liberty Capital Advisors
- Vice Chairman Mark Bostick, President of ComCar Industries, Inc.
- Bill Brown, President of Harris Corporation
- Joseph Caruncho, CEO of Preferred Care Partners
- Dr. Sandra Featherman, former President of the University of New England
- Dick Hallion, Research Associate in Aeronautics, National Air & Space Museum, Smithsonian Institute
- Scott Hammack, CEO of Prolexic
- Kevin Hyman, Executive VP of Bright House Networks
- Frank Martin, Senior VP of Atkins North America
- Bob Stork, CEO Communications International Inc.
- Don Wilson, Partner/Attorney with Boswell & Dunlap, LLP

## Governance

## Accomplishments

In the past 8 months the Florida Polytechnic University Board of Trustees has provided hands-on leadership and demonstrated their commitment to the University by holding more than 35 meetings. Major accomplishments are:

- Reaffirmed the need for a polytechnic university in Florida
- Defined Florida Polytechnic as an industry-engaged institution
- Drafted and approved the University's mission statement
- Examined alternative teaching models
- Approved collaborative partnerships
- Commissioned a survey of business and industry HR management to determine job skills
- Launched Florida Polytechnic's website
- Worked with USF to successfully negotiate separation of the assets
- Appointed members to the Florida Polytechnic University Foundation, Inc.
- Began promulgating regulations and policies
- Hired key administrative and academic leadership

## **SACS** Accreditation

### Timeline

**February 2013:** Florida Polytechnic University representatives initiated the accreditation process by attending the required Pre-Applicant workshop. The University and SACS established proper contacts.

March 2013: Commence preparation of the initial application to SACS.

August 2014: Enroll first class of students.

September 2014: Submit application to SACS.

December 2014: Achieve SACS candidacy status.

Spring 2016: Graduate first class of students.

December 2016: Achieve initial grant of accreditation.

## **Mission Statement**

## Focus on Meeting the Future Job Needs of Florida

Florida Polytechnic University's mission is to educate students emphasizing Science, Technology, Engineering and Mathematics (STEM) in an innovative, technology-rich, and interdisciplinary learning environment. The University collaborates with industry partners to offer students real-world problem-solving, work experience, and business leadership opportunities. Florida Polytechnic prepares students to assume available leadership positions in the dynamic technological landscape in Florida, the nation, and the world.

Mission implementation:

- Focusing on interdisciplinary programs, selecting innovative educational delivery models, responding to student and emerging industry demands
- Developing industry partnerships to create co-op, internship and applied research opportunities to create job-ready students
- Tying program selection to jobs identified in Enterprise Florida Clusters, Strategic Areas of Emphasis, and Department of Economic Opportunity's findings

## Administration

### **University team in place**:

- Ava L. Parker Interim COO
- Ghazi Darkazalli, Ph.D., PE Interim VP of Academic Affairs
- Gina DeIulio VP of Administration and Asst. Corporate Secretary
- Maggie Mariucci Dir. of External Affairs & Interim Dir. of the Foundation
- Dr. Joanne Chive Dir. of Communications & Marketing
- Rick Maxey Dir. of Governmental Relations

- John C. White- Architect/Project Manager
- Geralyn Bonfiglio-Sells-Construction
   Project Administrator
- Tom Browning- Building Code Administrator
- Administrative support persons (3)

### Searches in progress:

- Asst. VP for Academic Affairs/Curriculum and Accreditation
- Dir. of Admissions/Registrar
- Admissions Counselor/Student Recruiter
- Budget Director
- Asst. Dir. of Institutional Research

## **Aspirational Peers**

## Potential Models for Planning Academic and Support Programs

- Stevens Institute of Technology
- Worcester Polytechnic Institute
- Virginia Polytechnic Institute and State University
- Arizona State University-Polytechnic Campus
- Rensselaer Polytechnic Institute
- California Polytechnic State University-San Luis Obispo

## **Identification of Emerging High-Tech Jobs**

### **Board of Trustees Commissioned Reports**

Science, Technology, Engineering & Math Landscapes: Trends & Models

Demand Analysis & Partnership Models

Assessment of Potential Program Offerings Based on Economic Trends in Florida

Analysis of Polk State College Programs for Potential Alignment with Florida Polytechnic University Proposed Programs

**Review of Engineering Programs in SUS Institutions** 

Peer Institution Analysis

Faculty Contract Model Study

**Compensation Study** 

**Enrollment Projection Analysis** 

## **Identification of Emerging High-Tech Jobs**

### Organizations and Reports Considered

### **State Agencies**

Florida Board of Governors Department of Economic Opportunity Enterprise Florida

### **State Agency Reports**

Enterprise Florida 2010-2015 Statewide Strategic Plan for Economic Development, 2011

Enterprise Florida: Leadership for the 21<sup>st</sup> Century – Diversifying Florida's Economy, 2011

### **Federal Agencies**

U.S. Economic Development Administration National Science Foundation Department of Defense Department of Energy

## **Academic Program Analysis**

### **Program Analysis Factors**

The Board identified 14 different factors to use in examining the initial programs. The factors included:

### **Employer Demand**

- a) Occupation Code (Standard Occupational Classifications)
- b) Agency for Workforce Innovation annual percentage growth in Florida
- c) Bureau of Labor and Statistics annual percent growth in U.S.
- d) Relationship with Enterprise Florida Clusters and Strategic Areas of Emphasis

### **Emerging Fields**

- e) Intensive interdisciplinary accelerated programs
- f) Industry needs

## **Academic Program Analysis**

## **Program Analysis Factors**

### **Additional Factors**

- g) STEM offerings and enrollment growth in Florida
- h) STEM program offerings by national Polytechnic peers
- i) Access and Attainment Commission
- j) Availability of outstanding faculty
- k) Suitability for online instruction
- 1) Cost data from SUS and Minnesota Detailed Cost Analysis
- m) Potential for innovative delivery models
- n) Availability of program elsewhere in the SUS

## **Campus Development Update**

## Within Budget & On Schedule

**The Innovation, Science & Technology Building** construction is on budget and on time with a move-in date of June 2014.

The Board has consolidated the **Wellness Center Phase 1 and the first Residence Hall** into one joint use facility to support the initial student population by providing living quarters, food services, laboratory space and classrooms. Future phases will be added to meet growth in enrollment.

The **campus infrastructure construction as well as the campus control center** are also on budget and on time for completion prior to Fall 2014 enrollment.

Improvements Being Constructed to Open The Campus



Lakeland FL New Campus - View Looking South



### Lakeland FL New Campus - View Looking North



### Innovation, Science & Technology Building



## **Potential Industry & Academic Partners**

## **Discussions Have Begun**

### **Business Groups**

- Various High-tech businesses within Florida
- Florida Chamber of Commerce
- Council of 100
- Florida Economic Development Council

### **Federal Agencies**

- U.S. Economic Development Administration
- National Science Foundation
- Department of Defense
- Department of Energy

### **Academic Institutions**

- Other Universities, public and private
- Florida State Colleges
- K-12 Schools

In addition, Florida Polytechnic University will convene an August 2013 meeting with industry and business leaders to begin identifying the knowledge, skills and abilities our graduates need to possess.

## Faculty

## Parameters of Faculty Contracts

- Considering only non-tenure employment models such as incentive-based contracts
- Capacity for using emerging technologies
- Emphasize teaching as well as research
- Integrated (Team) teaching and cross-disciplinary instruction
- Practical experience
- Leadership experience



- First Class of Students Fall 2014
- Graduate and Undergraduate Research
- Industry Experience (internships)
- Leadership Learning
- Business Education
- Cross-disciplinary Learning
- Technology Integrated at All Levels of Instruction

## **Collaboration Efforts**

### Partners

### **Florida Board of Governors**

- Provided guidance related to achieving SACS accreditation
- Provided guidance related to program planning
- Supported the newly independent university during its initial stages of development

### **University of Florida**

• Entered into a shared services contract and have been providing finance, purchasing, legal, human resources and IT related services

### Florida Poly Vision, Inc.

- Demonstrated support for an independent Florida Polytechnic University when a group of more than 100 local leaders chartered the organization in May 2012 for the sole purpose of ensuring the future and success of Florida Polytechnic University
- Agreed to co-sponsor the Florida Polytechnic University's industry conference to discuss skills needed by the University's graduates

## **Collaboration Efforts**

### Partners

### Florida Polytechnic University Foundation, Inc.

- Incorporated with members appointed, officers elected
- Developed initial meeting schedule and are actively producing their first event on behalf of the University

### University of South Florida

• Continued cooperation in transfer of assets to Florida Polytechnic University

### Polk State College/State College System

• Discussed articulation and joint program opportunities

## Florida Polytechnic University begins

educating students to be job-ready for

emerging high-tech jobs!

# Appendix

• Reports referenced in this presentation are available at the following link:

http://floridapolytechnic.org/board-oftrustees-commissioned-report/

| Forecast of Education and General (E&G) Operations | Fiscal Year Ending June 30 |              |              |              |  |  |  |  |  |
|--|----------------------------|--------------|--------------|--------------|--|--|--|--|--|
|  | 2013                       | 2014         | 2015         | 2016         |  |  |  |  |  |
| Revenues   |                            |              |              |              |  |  |  |  |  |
| General Revenue / Lottery                          |                            |              |              |              |  |  |  |  |  |
| State Allocations - Education and General          | \$22,412,000               | \$27,643,000 | \$27,643,000 | \$27,643,000 |  |  |  |  |  |
| Plant, Operations and Maintenance                  | -                          | 1,003,665    | 2,844,994    | 2,844,994    |  |  |  |  |  |
| Tuition, Student Fees, Financial Aid               |                            |              |              |              |  |  |  |  |  |
| Tuition, Student Fees, Financial Aid               | 9,626,321                  | -            | -            | -            |  |  |  |  |  |
| Total Revenues                                     | 32,038,321                 | 28,646,665   | 30,487,994   | 30,487,994   |  |  |  |  |  |
| Opearting Expenditures                             |                            |              |              |              |  |  |  |  |  |
| Salaries and Benefits                              | 535,209                    | 6,336,536    | 10,927,212   | 12,476,771   |  |  |  |  |  |
| Other Personnel Services                           | 15,000                     | 180,000      | 250,000      | 350,000      |  |  |  |  |  |
| Expenses:  |                            |              |              |              |  |  |  |  |  |
| Utilities  | 6,000                      | 247,186      | 967,277      | 1,118,909    |  |  |  |  |  |
| Marketing & Advertising                            | 15,000                     | 660,000      | 920,000      | 920,000      |  |  |  |  |  |
| Shared Services                                    | 668,733                    | 1,123,778    | 1,614,048    | 1,617,776    |  |  |  |  |  |
| Faculty & Staff Recruiting Costs; Consulting Fees  | 820,000                    | 1,075,000    | 935,000      | 930,000      |  |  |  |  |  |
| Other Expenses                                     | 2,263,273                  | 4,546,992    | 7,915,384    | 7,238,021    |  |  |  |  |  |
| Total Expenses                                     | 3,773,006                  | 7,652,956    | 12,351,709   | 11,824,705   |  |  |  |  |  |
| Operating Capital Outlay                           | -                          | 280,000      | 350,000      | 350,000      |  |  |  |  |  |
| Special Expenses                                   | -                          | -            | -            | -            |  |  |  |  |  |
| Financial Aid, Scholarships, Stipends              | -                          | -            | -            | -            |  |  |  |  |  |
| Total Operating Expenses                           | 4,323,215                  | 14,449,492   | 23,878,921   | 25,001,476   |  |  |  |  |  |
| Unencumbered Revenues Over Expenses (Carryforward) | \$27,715,106               | \$14,197,173 | \$ 6,609,073 | \$ 5,486,518 |  |  |  |  |  |

\*\* See Accompanying Notes to Forecast \*\*

Notes to Educational and General Funds Financial Forecast

#### **Revenues**

#### General Revenue and Lottery

General Revenue and Lottery Funds are assumed to continue at FY 2012-13 levels (excluding the one-time pro rata reduction of approximately \$5 million which occurred in FY 2012-2013).

Plant, Operations and Maintenance revenue begins as new campus facilities open. Funding will be determined on a State University System formula.

#### **Student Tuition and Other Fees**

The figure that is shown in FY 2012-13 for Student Tuition and Other Fees relates to certain carry-forward and tuition funds generated in FY 2011-12 but prior to the formal transfer of assets and cash to the University on October 30, 2012.

Student Tuition and Other Fees has currently not been included within the forecasts for FY 2013-14 through FY 2015-16 as the University has not completed the enrollment projections.

### **Operating Expenditures**

#### **Salaries and Benefits**

Salaries and benefits include all costs for Academic faculty and staff as well as Administration personnel, with benefit costs budgeted at levels consistent with the SUS. Departmental organizational charts are being created subsequent to the degree programs being identified so the University can determine the level of full time and adjunct faculty, graduate assistants, laboratory assistants, and Other Personnel Services staff. C-suite personnel are forecast as being added as the University size and complexity increases beyond the capacity of the UF agreement.

### Other Personnel Services ("OPS"):

Hourly and contract staff estimates have been forecast for use in appropriate areas as the University needs increase, and student OPS employment will be offered as well.

#### Expenses

Shared Services includes the cost of the current agreement with the University of Florida ("UF") for accounting and other financial services, as well as estimates of future shared service costs. The levels of services to be achieved using in house personnel versus under an expanded agreement with UF are currently being examined by the new University staff.

Other expenses include software license and hardware maintenance contract costs, grounds and building maintenance, security, legal services, telecommunications, travel and entertainment, conferences and seminars, and other standard costs.

### **Operating Capital Outlay**

Included are certain service vehicles as well as costs identified by the University for the establishment of its library. A more detailed review of major assets to be purchased is currently being performed by the University as it determines the levels of maintenance and other services performed in house or by third parties.

### Carryforward

Carryforward funds shown on the accompanying statement have been reviewed by the University's Board and have been characterized as required to be designated as a part of the University's approved capital plan undertaken in order to develop the facilities necessary to comply with section 1004.345, Florida Statutes.

**Note:** Forecast statement excludes the revenue and expenses generated by the activities of the Florida Industrial and Phosphate Research Institute, as these activities essentially net to zero. This activity is currently being managed by the University of South Florida under an agreement with the University.

#### **PROPOSED DEGREE PROGRAMS**

#### **College of Innovation and Technology**

| Degree  | Fields  |
|---|---|
| Bachelor's and Master's of Advanced Technology  | Cloud Virtualization & Big Data Analytics     |
| Bachelor's and Master's of Science              | Logistics, Materials and Supply Chain         |
| Bachelor's and Master's of Computer Science and | Cyber Gaming, Information Assurance and Cyber |
| Information Technology                          | Security                                      |

#### **College of Engineering**

| Degree   | Fields                                       |
|--|--|
| Bachelor's and Master's in Electrical and Computer | Control Systems, Magnetics, Digital Systems, |
| Engineering  | Electrodynamics, Semiconductors              |
| Bachelor's and Master's in Industrial Engineering  | Multifunctional Materials Development,       |
|  | Geometric Dimensioning and Tolerancing,      |
|  | Motion Control                               |

#### **Program Characteristics**

- 1. Real-time response to employers' needs
- 2. Focus on the T & E in STEM (Technology and Engineering)
- 3. Incorporate leadership, finance and management training into all programs
- 4. Undergraduate research required of all students in all programs beginning the sophomore year
- 5. Students will take engineering courses beginning their freshman year in order to improve retention (currently about 50% of engineering students drop out in the first two years).
- 6. Provide strong in class and out of class student support beginning with the freshman year.
- 7. 75% full-time job placement after graduation

#### Faculty

- 1. Non-tenure employment models with incentive-based contracts
- 2. Capacity for using emerging technologies
- 3. Emphasis on teaching as well as research
- 4. Integrated (Team) teaching and cross-disciplinary instruction
- 5. Practical applied science and engineering experience
- 6. Leadership and management experience

#### **Student Recruitment**

- 1. Agreements with STEM charter and magnet schools to serve as feeders.
- 2. International Students: South America, Far East
- 3. Summer program modeled after the Duke University TIP Program
- 4. 2+2 feeder programs with state colleges

### FLORIDA POLYTECHNIC

#### ..... University

#### **Program Characteristics**

<u>Real-time Response To Employer Needs</u> - Market conditions change rapidly and Florida Polytechnic University will be able to create new programs and modify existing programs in real-time in order to provide the high-tech workforce that companies need.

<u>Focus on the T&E in STEM</u> – In order to be adaptable to the needs of industry, Florida Polytechnic University is being developed as a Limited-Small-Focused university. Our limited number of high-tech programs, small student body and faculty allow us to produce graduates who are prepared to work immediately after graduation.

<u>Incorporating Education in Leadership, Finance & Management</u> – In response to Florida high-tech businesses, Florida Polytechnic University will incorporate extensive education in leadership, finance and management into all programs, preparing the students to assume leadership roles as well as front line positions.

<u>Undergraduate Research</u> – Students at Florida Polytechnic University will begin engaging in research during their sophomore year. This will give them the experience they need to excel in the workplace.

<u>Engineering Courses in the First Two Years</u> – Florida Polytechnic University will increase the typical first and second year retention rates of engineering students by incorporating engineering courses into the first two years of the program and providing enhanced student academic support beginning with the first course that its students take.

<u>Strong Student Support</u> – Students at Florida Polytechnic University will enjoy increased levels of support in all phases of student life. This level of support will allow students to engage more effectively in their academic pursuits.

<u>Job Placement Rate of 75%</u> - Florida Polytechnic University will partner with high-tech companies throughout the state to provide a direct pipeline of well-educated, ready to work graduates. Our philosophy centers around educating students for the job market with the skills Florida employers need to compete in the global market.

#### Faculty

<u>Non-Tenure Employment Model</u> – Faculty at Florida Polytechnic University will have multi-year contracts with measureable performance criteria. They will be rewarded for performance excellence in the classroom and in conducting their research.

<u>Use of Emerging Technologies</u> - Faculty at Florida Polytechnic University will be required to incorporate the latest proven technology as a component of their teaching.

<u>Emphasis on Teaching and Research</u> - Florida Polytechnic University faculty will be required to teach in the classroom and be involved in high-level applied research.

<u>Integrated (Team) Teaching and Cross-disciplinary Instruction</u> – Faculty at Florida Polytechnic University will collaborate with faculty in other disciplines to ensure that students learn how to integrate knowledge from various fields, as students will need to be able to do when employed.

### FLORIDA POLYTECHNIC

University

<u>Applied Science and Engineering Experience</u> – Faculty at Florida Polytechnic University must have experience in teaching and conducting research in applied science and engineering.

<u>Leadership and Management Experience</u> - Florida Polytechnic University will recruit faculty who have exhibited leadership and management skills in their professions so that they can model and teach those skills to the students, regardless of the program.

#### **Student Recruitment**

<u>Agreements with STEM charter and magnet schools</u> – Administrators at Florida Polytechnic University have started conversations with public, charter and magnet schools that have outstanding STEM programs as a part of their recruitment effort.

<u>International Students: South America, Far East</u> – In addition to recruiting talented high school students from Florida and the rest of America, Florida Polytechnic University will seek to bring to its campus some of the brightest international students from economic partners in South American and the Far East.

<u>Summer Academic Program</u> - Florida Polytechnic University will establish a summer program for STEM talented middle and high school students, modeled after Duke University's TIP Program. Middle and high school students will spend several weeks every summer on the university's campus.

<u>State College 2+2 Feeder Programs</u> - Florida Polytechnic University will establish partnerships with state colleges and will grant admission to students who earn Associate of Science degrees in specially designed programs that prepare them for upper level academic work at Florida Polytechnic University.

#### FLORIDA POLYTECHNIC

#### **Curriculum Development Timeline**

|  |      |        |        | TIM    | 1ELINE - T | vpical Tra | ck Curricu | ılum Deve      | lopment | for program | ns to be o | offered Au | ıgust 2014 |        |        |        |        |        |       |
|--|------|--------|--------|--------|------------|------------|------------|----------------|---------|-------------|------------|------------|------------|--------|--------|--------|--------|--------|-------|
|  |      | Qtr 3, | Qtr 4, | Qtr 1, | Qtr 2,     | Qtr 3,     | Qtr 4,     | Qtr 1,<br>2015 | Qtr 2,  | Qtr 3,      | Qtr 4,     | Qtr 1,     | Qtr 2,     | Qtr 3, | Qtr 4, | Qtr 1, | Qtr 2, | Qtr 3, | Qtr 4 |
| repare for Curriculum Development  | 2013 | 2013   | 2013   | 2014   | 2014       | 2014       | 2014       | 2015           | 2015    | 2015        | 2015       | 2016       | 2016       | 2016   | 2016   | 2017   | 2017   | 2017   | 2017  |
| evelop Policies and Procedures for:  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *identification of new programs  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *new degree/course development and   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| approval<br>*curriculum review and revision  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *admission standards   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *graduation requirements   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *determining and awarding credit   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| hours for each program   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *addressing student complaints   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *transfer credit policy<br>*grading  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *normal credit hour load   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| egin preparation of student handbook and   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| cademic calendars  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| etermine library requirements  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| reate partnorships with textbook companies   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| nitial Programs Identified and Approved  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| chief Academic Officer Recruits Leaders  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| or Each Approved Program   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| Program Leaders Relocate   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| Program Leaders Identify Needed Skilis   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| or Fuii-Time and Adjunct Faculty<br>Program Leaders Recruit Full-Time  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| aculty for Program   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| ssigned Faculty Relocate   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| urriculum Development: Stage 1   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| or each degree program determine:  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Curriculum connection to Mission  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| and Vision;  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Level, emphases, concentrations,<br>total credit hours, overall purpose,  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| and employment opportunities for   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| graduates;   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Co-op, externship, lab  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| experience, capstone or other  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| experiential and applied learning<br>opportunities that may be   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| required, and if they will be  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| offered on campus or off:  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *The program description and   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| objectives   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Pedagogy and learning outcomes<br>*Core and elective courses  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *General education courses – as  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| many as possible common across   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| all degree programs;   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Course names and course   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| descriptions<br>*Appropriate textbooks and   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| instructional materials  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Identify prerequisites for each   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| course and common  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| programmatic prerequisites and   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| appropriate substitutions<br>*Assure the program length is   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| sufficient and create appropriate  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| course sequencing  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Identify instructional methods and  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| delivery system  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| <ul> <li>Faculty and non-faculty library</li> <li>Space requirements for</li> </ul>  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| <ul> <li>Space requirements for<br/>classrooms, labs, offices, etc.</li> </ul>   | l    |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| Laboratory equipment   |      |        |        |        |            | _          |            |                |         |             |            |            |            |        |        |        |        |        |       |
| urriculum Development: Stage 2   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| For Each Course Determine:   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Title   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Description   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Academic Credit Analysis<br>*Credit hours   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Course Prerequisites  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Instructional methods and material  | ls   |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Textbooks/virtual learning opportur   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Lab/computer equipment  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Topics to be taught   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Homework Assignments  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| *Assessments   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| <ul> <li>*Applicability to other programs</li> <li>•Develop Course Syllabus</li> </ul>   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| rogram courses submitted to Common   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| ourse Numbering review   |      |        |        |        |            |            | _          |                |         |             |            |            |            |        |        |        |        |        |       |
| nroll First Class( January, 2014)  |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
|  |      |        |        |        |            |            |            |                |         |             | _          | _          |            |        | _      |        |        |        |       |
| ubmit SACS Application   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| ubmit SACS Application<br>urriculum Development: Stage 3 - Ongoing   |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| ubmit SACS Application<br>urriculum Development: Stage 3 - Ongoing<br>urriculum review and revision  |      |        |        |        |            |            |            |                |         |             | 1          |            |            |        |        |        |        |        |       |
| ubmit SACS Application<br>urriculum Development: Stage 3 - Ongoing<br>urriculum review and revision<br>isit by Candidacy Committee                         |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| Jbmit SACS Application<br>urriculum Development: Stage 3 - Ongoing<br>urriculum review and revision<br>sist by Candidacy Committee<br>ACS Grants Candidacy |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |
| ubmit SACS Application<br>urriculum Development: Stage 3 - Ongoing<br>urriculum review and revision<br>isit by Candidacy Committee                         |      |        |        |        |            |            |            |                |         |             |            |            |            |        |        |        |        |        |       |

### **Community Issue Performance Evaluation**

1. State Agency:

Florida Polytechnic University (not a community issue but submitted, as requested)

#### 2. State Program (or Type of Program): Education & General

3. Project Title:

**Polytechnic Operations** 

4. Recipient name and address: Florida Polytechnic University, 439 South Florida Avenue, Suite 300, Lakeland, FL 33801 Location county/counties: Polk County

5. Is the recipient a governmental entity, a private non-profit entity, or a private for-profit entity: Governmental entity

| 6. FUNDING:          |                      |                      | GAA Specific Appropriation |
|----------------------|----------------------|----------------------|----------------------------|
| FY 2012-13 Recurring | FY 2012-13 Recurring | FY 2012-13 Recurring | Number                     |
| General Revenue      | Trust Funds          | TOTAL FUNDS          | (ch. 2012-118, L.O.F.)     |
| \$22,043,995 Gen Rev | \$0                  | \$22,411,504         | 2012-118                   |
| 367,509 Lottery      |                      |                      |                            |

7. FY 2012-13 GAA proviso specifically associated with the project (if any): Not Applicable

8. Project Purpose/Description: The purpose of the project is to develop Florida's 12<sup>th</sup> state university-Florida Polytechnic University- a STEM institution that will focus on applied research and admit freshmen, junior transfers and graduate students. Doors will open for the inaugural classes in 2014.

9. Number of years this project has received state funding: The project has received funding for four years-2009-10, 2010-11, 2011-12 and 2012-13. While Florida Polytechnic University was created in 2012, the project received funding as USF Polytechnic for several years prior to the separation.

10. Does this project align with the core missions of the agency or the program area in which it is funded? (Explain): This response is not referring to a special project of Florida Polytechnic University. This response is regarding the recurring operating budget of the university. The operating budget will be used to implement the mission of the university – "Florida Polytechnic University's mission is to educate students emphasizing Science, Technology, Engineering and Mathematics (STEM) in an innovative, technology-rich, and interdisciplinary learning environment. The University collaborates with industry partners to offer students real-world problem-solving, work experience, and business leadership

K:\My Documents\Polytechnic\Galvano Submission\Community Issue Performance Evaluation Format 2012-12 3 23 13 rev 8PM(2).docx last saved

opportunities. Florida Polytechnic prepares students to assume available leadership positions in the dynamic technological landscape in Florida, the nation, and the world."

11. <u>Does the program meet a demonstrated need in the community that is not otherwise being met?</u> (Explain): Yes. Florida Polytechnic University meets a need that is not being met in Polk County or the state of Florida. Florida Polytechnic University is the only state university in Florida that is focused on technology and engineering, developing partnerships with business and industry in curriculum development, and training and producing graduates who are leaders and prepared for high-tech jobs.

12. <u>What are the intended outcomes/impacts and benefits of the project?</u> The intended impact is that the state of Florida will have a state funded, nimble institution that responds to state and global economic trends and places a minimum of 75% of its graduates in high-tech jobs.

13. <u>What performance data does the agency/entity regularly collect and report that demonstrates the value of the program to the State of Florida?</u>

Output data (e.g., number of clients served, students educated, units produced); Enumerate:

□ Outcome data (data on the effectiveness or quality of services, e.g., percentage of clients successfully completing treatment); Enumerate:

Unit cost data (e.g., cost per unit produced); Enumerate:

Other (Explain):

No performance data is available for the institution. It will start its first class in 2014.

- 14. <u>How is program data collected and has it been independently validated for accuracy and completeness?</u> No program data is available to date. However, Florida Polytechnic University will develop metrics and measures to ensure that it is developing effective and efficient programs.
- 15. <u>Is there an executed contract between the agency and the recipient?</u> Florida Polytechnic University does not have an executed contract for its operating budget. However, it does have specific statutory deliverables and deadlines.

16. If there is a contract, are the outputs, measures and costs specified in a contract between the agency and the recipient? Not applicable.

17. <u>How do the unit costs compare to those of comparable or alternative projects or services? (EXPLAIN AND SPECIFY):</u> Not applicable.

18. <u>Based on performance data, is this project meeting the expected outputs and having the intended</u> <u>outcomes? (Explain):</u> Florida Polytechnic University does not have performance data, but it has

K:\My Documents\Polytechnic\Galvano Submission\Community Issue Performance Evaluation Format 2012-12\_3 23 13 rev 8PM(2).docx last saved

developed a plan to ensure that it will have the expected outcomes and meet the deliverables established in the statute.

19. <u>Describe how the information upon which the answer above is based was obtained and validated</u>: The Board of Trustees of Florida Polytechnic University developed the mission and plan to support the Legislative intent of the statute.

20. <u>How much additional funding or matching funding from non-state sources is available for this project</u> <u>and what are the sources?</u> We have not received any additional funding from non-state sources to support the operating budget.

21. List any audits or evaluative reports that have been published for this project (including website links, if available): Florida Polytechnic University is scheduled for its first audit of funds received in 2012-13.

22. <u>Provide any other information that can be used to evaluate the performance of this project:</u> No additional information

23. <u>CONTACT INFORMATION for person completing this form:</u> <u>Name:</u> Ava Parker <u>Title:</u> Chief Operating Officer <u>Phone number and email address:</u> 863-583-9079 avaparker@floridapolytechnic.org <u>Date:</u> March 23, 2013