



## **ST. PETERSBURG COLLEGE**

### **Department of Engineering Technology & Building Arts ADVISORY MEETING**

**Thursday, September 12, 2013**

**Epicenter**

**13805 58<sup>th</sup> Street North**

**Largo, FL 33760**

**Summary**

- Members Present:** Tina Brudnicki, Lou Grilli, Ken Conforti, David Reese, Greg Seay, Dan Bloom, Bob Hudson, and Brad Jenkins.
- Members Excused:** Mark Snyder, Ed Homan, Matt Smith, Clint Mells, Joe DiPasqua, Steve Askew, Bill Erdmann, Randy Swanson, Rodney Jaramillo, Don Houdek, Scott Choquette, and Lisa Maciolek.
- Guests:** Wayne Hamm, Outreach Specialist, AS degrees, Jill Flansburg, Project Manager, Florida TRADE DOL grant, and Giovanna Taylor, Program Director, Medical Devices Hub, DOL Bioscience DOL grant.

The Advisory Committee was held at the Epicenter for a dinner meeting that was hosted by the college. The ET-BA Advisory Committee was one of 11 college wide committees that participated in the dinner. Anne Cooper, Senior Vice -President of Academics, thanked the advisory members for their support and their time to ensure that the programs were successful and meeting the needs of industry. John Chapin, Dean Natural Science, provided an update on the new SPC manufacturing training facilities at the LumaStream LED manufacturing company in midtown St. Petersburg.

Following dinner the Advisory Committee met for their fall meeting.

#### **Course Enrollment:**

Brad Jenkins provided the enrollment update from this Fall 2013 year, in which the enrollment is up 9.08% in Engineering Technology and decreased 7.99% in Building Arts, as compared to the Fall session in 2012. Overall however enrollment is increasing in ET and slightly down in BA. The Graduation data from May and July 2013 indicated for Engineering Technology, 15 A.S. degrees and 49 Certificates awarded, and for Building Arts, 12 A.S. degrees and 8 Certificate were awarded. (the listing of graduates for the session is included with this summary)

### **Update on Action Items:**

The committee received the list of the graduate data and enrollment from the May 2, 2013 meeting. The committee was informed of the new equipment that was ordered and received during the summer, including the Faro reverse engineering arm/scanner and the Pneumatics equipment, to be interfaced with the PLCs. Another FANUC Robotic arm has been ordered through funding from the Florida TRADE DOL grant.

### **Collaborative Center of Emerging Technologies:**

New equipment to the Center included a manual Bridgeport milling machine donated by Florida Gun Drilling Company. The owner Dave Lundy also provided the rigger and set up of this machine. This machine will be utilized to give the students an opportunity to operate a milling machine, to apply reverse engineering techniques, and to take prototypes from the 3-D printers to manufacture metal parts. A surface grinder is also being donated later this fall.

### **Architectural and Building Arts updates:**

Bob Hudson reported that three graduates from the AA degree program in Architectural graduated with their Masters degree in Architecture at USF this past spring. The Building Arts graduates led the state with 100% obtaining jobs in the construction industry.

The Building Arts students also finished their practicum for the new Ethics and Social Science building.

### **NSF and DOL Grant updates:**

Brad reported on the FLATE highlights updates this summer that included the review of the Engineering Technology curriculum frameworks, with the Florida Department of Education (DOE), concerning the review of the technical specialties offered under this degree. FLATE also sponsored 11 Robotic Camps in both Pinellas and Hillsborough counties this summer.

There are now 14 state colleges that have adopted the A.S. degree in Engineering Technology. Additional state colleges expressing interest in the A.S. degree include Santa Fe, Broward, Gulf Coast, and Pasco-Hernando.

All the information is available on the FLATE website: ([www.fl-ate.org](http://www.fl-ate.org) and [www.madeinflorida.org](http://www.madeinflorida.org)).

The U.S. Department of Labor (DOL) Trade Adjustment Assistance Community College and Career Training (TAACCCT) grant updates were provided by Giovanna Taylor, on the Bioscience Credentialing: Biomedical Devices, and Jill Flansburg, for the Florida TRADE grant. Jill reported that the that the training courses for the Manufacturing Skills Standards Council (MSSC) Certified Production Technician (CPT) will start next week with 12 participants at the Midtown Campus in St. Petersburg. This will be a 6 week training session, meeting 4 days a week, for 5 hours a day. Other training certificates will include CNC machining, robotics, mechatronics, and Solid Works. The Florida TRADE grant will pay for instructors, while WorkNet will cover the participants cost for courses and workbooks.

Giovanna provided the update on the medical devices national meeting to be held at SPC, which will develop the standardized set for the various skills and programs for the Lab Science, Bio-manufacturing, and the Medical Devices hub of this grant. A skills matrix has been developed for the common skills required by the medical device industry. Other discussion topics will include using the SPC Collaborative Laboratory to develop what degree and certificates are needed and setting up the skill sets and educational pathways. Giovanna also reported that the 1<sup>st</sup> two courses in the Medical Quality Systems college certificate are filled with 24-27 students in each course. Baycare Healthcare will also partner with this grant as they are an end user of the medical devices and their need is for biomedical technicians.

Brad provided the update on the DeafTec NSF grant of the Rochester Institute of Technology (RIT) National Technical Institute for the Deaf (NTID) that will begin this fall with training modules for faculty and counselors.

**Other Discussion topics:**

Wayne Hamm, Outreach Specialist, reported on the recruiting efforts for students and the tours being conducted in the Collaborative Center for Emerging Technologies. Wayne also reported on the October 24 town hall meeting for parents they want to learn more about manufacturing and the educational pathways. Jill provided an update on the Manufacturing Day activities in that will be held October 3.

**Action Items:**

The action items of this meeting included:

1. Brad Jenkins will send the list of the graduate data and enrollment to all advisory members, in order to provide that information to the members not attending this meeting.
2. The Advisory Committee approved developing a new AS degree in Medical Devices, a new Regulatory Affairs Certificate, and an Advanced Manufacturing Subplan for Automation under the AS degree in Engineering Technology.

The meeting was adjourned at 8:55 p.m.

The next advisory committee meeting will be 5:30PM, Thursday, April 14, 2014 at the Clearwater Campus.  
Respectfully submitted,

Bradley E. Jenkins  
Secretary

# **Engineering Technology & Building Arts**

## **Graduate Data for May 2013 Graduates**

### **Engineering Technology**

12 AS degrees: 9 - Engineering Technology; 3 – Aviation Maintenance Management

38 Certificates:

- 13 - Lean Six Sigma Green Belt
- 10 - Six Sigma Black Belt
- 2 - CADD
- 10 - Engineering Technology Support
- 1-Medical Quality Systems
- 2 -Rapid Prototyping & Design

### **Building Arts**

8 AS degrees: 5 –Architectural Design & Construction; 3 – Drafting and Design

4 Certificates:

- 4 – Building Construction

## **Graduate Data for July 2013 Graduates**

### **Engineering Technology**

3 AS degrees: 2 - Engineering Technology; 1- Aviation Maintenance Management

11 Certificates:

- 5- Lean Six Sigma Green Belt
- 1- Six Sigma Black Belt
- 2-CADD
- 1-Medical Quality Systems
- 2 -Rapid Prototyping & Design

### **Building Arts**

4 AS degrees: 1 –Architectural Design & Construction; 3 – Drafting and Design

4 Certificates:

- 4 – Building Construction

## **Total Department Enrollment increase from Fall 2012 to this Fall 2013 (based on student semester hours (SSH))**

**Engineering Technology: Fall 2012 = 1101 SSH; Fall 2013 = 1208; increase 9.08%**

**Building Arts: Fall 2012 = 538; Fall 2013 = 495; decrease 7.99%**