



## MEETING SUMMARY

### **FLATE Industrial Advisory Committee Meeting**

**Hillsborough Community College - Brandon Campus  
Administration Building BADM 117  
10414 E. Columbus Dr.  
Tampa, FL 33619**

**Thursday, January 13, 2011  
4:30 – 6:30 PM**

#### **FLATE Participants**

Members Present: Adrienne Gould-Choquette, Patti Gander, Tina Brudnicki, Idelia Phillips, Stan Sidor, Denis Barrette, Jason Pressley, Alex Anzalone, Cyrus Hillsman.

Member Call-ins: Bruce Driggett, Gil Lugo, Ginger Clark, Tom Kennedy.

FLATE members: Marilyn Barger, Brad Jenkins, Richard Gilbert, Dave Gula, Lourdes Fleurima, Phil Centonze, Jorge Monreal, Marie Boyette.

Members Excused: JoAnne Larsen, Ernie Helms, Chet Sadler, Eric Roe, Peter Straw, Ed Niespodziany, Andy Holloway, Steven Meitzen, Meer Almeer, Dennis Battistella, Ruly Lopez, Ernie Friend, John Debella, Sabrina Peacock, Mark Snyder, Sherry Reeves, Robert Deckon, Donat Forrest, Leigh Haller, Eric Dickinson, Eric Owens, Mark Gaudio, Drew Hoff, Mark Ennis, Mark Ericksen, Nancy Stephens, Denise Sanderson.

#### **HCC Brandon Campus Welcome:**

Brad Jenkins welcomed everyone to the Brandon Campus of HCC.

#### **Introduction of Committee Members and Guests:**

Tina Brudnicki, the chair of the FLATE IAC, welcomed the advisory members, the call in members, and guests to the FLATE IAC Meeting. The Adobe Connect conference call connection was provided by HCC for those members calling from around the state.

### **FLATE Evaluator Update:**

Phil Centonze, the FLATE external evaluator, provided an overview of the systematic evaluation of FLATE. Phil explained the Sterling criteria for performance excellence and went over the Sterling Management Model. He identified the strengths and opportunities to improve the activities of FLATE. Phil also explained the bases for scoring in the different areas of the evaluation and reported that the score for 2010 is now at 362 compared with the score of 310 in 2008. All the data is available on the FLATE website ([http://fl-ate.org/about\\_us/evaluation.html](http://fl-ate.org/about_us/evaluation.html)).

### **Report on Industry Certifications:**

Marilyn Barger explained the process that FLATE used in identifying the industry certifications are how they are used in the state. Marilyn provided the results of the identified Manufacturing Related Certifications along with Workforce Florida's new proposed certifications for 2011-2012. She also reported how the high school career and technical programs align with these industry certifications. Richard Gilbert mentioned we need to connect these certifications to the AS degree programs in the state and then get the appropriate degree connected the Engineering Technology degree.

In a related matter, Rich also mentioned that HCC has a project proposal to NSF that would take cohort students through the HCC ET degree and then articulate that program to the University of South Florida's engineering program. Several other community colleges will be asked to participate in this proposal. The report document distributed is posted at <http://fl-ate.org/committees/IAC.html>

### **ET Degree – Manufacturing Skill Standards Council (MSSC) alignment testing:**

Marilyn reported that FLATE and the partner colleges are working together to ensure that the engineering technology core course are being aligned with the MSSC Certificate She provided a handout indicating MSSC scores from the students that have taken the Safety, Quality, and Manufacturing Processes tests. FLATE is taking those steps to identify through a gap analysis the program frameworks and the actual course outcomes. There is scheduled additional testing of students this spring in more of these courses. The report document distributed is posted at <http://fl-ate.org/committees/IAC.html>.

### **BS in Engineering Technology – Daytona State College (DSC):**

Stan Sidor reported on the BSET degree that now has 127 students with most from the various AS degrees in engineering technology. They also have the BSEET and BSIT degrees offered and they will be seeking ABET accreditation in 2012. The primary mode of is on-line delivery of lectures and labs, but they are looking for college partners for the laboratory work in the courses. Stan also mentioned that DSC has formed a regional consortium for Cyber Security and they will be working the standard for cyber security.

### **FLATE NSF Renewal discussion and activity:**

Brad Jenkins led the discussion this request to the members that were not at the meeting to receive their input in this most important activity. In order for us to go forward with our FLATE preliminary proposal that is due in April, we need to show NSF that we are expanding into new areas and activities to support both the education initiatives as well as providing response to the industry sector. Although we have been successful in achieving our three goals for the FLATE Center: Curriculum, Professional Development, and Outreach, the renewal process for sustainability has to indicate new initiatives and activities related to our goals.

Brad had the committee members break into three groups, with each covering one of the goals. Marilyn headed the Outreach Activities, Richard the Professional Development, and Brad the Curriculum. Phil had the online group with Outreach Activities. Tina provided guidance and time constraints for all the groups.

The groups were asked to brainstorm with ideas, thoughts, and new approaches for these areas. Upon completion of this activity the following list was compiled for each category.

**Curriculum:**

- New areas of development, not directly associated with Engineering Technology, but still STEM related.
- Facilities Technology with different specializations in HVAC, plumbing, construction, lighting, electrical.
- Maintenance Technology with coursework in equipment usage, maintenance troubleshooting techniques.
- Biomed NanoTechnology
- Pharmaceutical Technology

**Outreach Activities:**

- Traveling manufacturing bus
- Multipurpose “expo” – (displays; make something during processing at different stations; company networking; job interviewing).
- Video tours and interviews
- School-industry partnerships
- Develop and conduct road shows: for industry; for economic development organizations; for colleges/universities; to increase awareness of FLATE across all these sectors.
- Create symposium with colleges/universities in a region to make the case for a standardized approach to technical education,
- Tie activities to the new Governor's job initiative(s).

**Professional Development:**

- Attention on Supply Chain management
- RFID Technology and Robotics
- Logistics
- Engineering Support Services; audits, inspections.
- Question of aging workforce and the expert technical skills they have being translated to younger workers.

Brad will also send this request to the members that were not at the meeting to receive their input in this most important activity. All input received from the IAC members and the National Visiting Committee will be reviewed again at the May IAC meeting.

**FLATE Updates:**

**“Made in Florida” (MIF) Website:**

Marilyn reported on the new remodeled website and reported on the three FLATE winners, listed on the FLATE website, awarded at the MAF Summit in November. Marilyn also provided information concerning the *Florida Trend's* NEXT magazine advertorial along with the industry sponsors. The IAC members received a handout on NEXT Advertorial Performance.

**A.S. Degree Curriculum Updates:**

The update on the Engineering Technology Degree was presented by Marilyn Barger with the map of the state indicating that 10 community colleges are now implementing the degree.

**Outreach:**

Summer robotics camps will be scheduled again with camps through August 2011.

Brad Jenkins and SPC will host an Engineering Technology Institute for high school and community college instructors June 16-17. The two day workshop will cover the use of SolidWorks with Rapid Prototyping.

Awards were presented this past November at the Florida Association of Community Colleges (FACC) to members of the FLATE leadership. SPC received the Chancellor's State Award for the A.S. degree Engineering Technology, and FLATE received the award for Exemplary Practices.

Upcoming events include the Engineering Expo at USF in February and the HiTec Conference in July in San Francisco.

**Other Announcements:**

The NVC Meeting will take place at the Pratt & Whitney plant in West Palm Beach, February 3-4, 2011.

The Engineering Technology Forum will be held at Daytona State College, April 7-8, 2011.

**Action Item:**

Brad Jenkins will request the IAC members that were not at this meeting, to provide input for the renewal and sustainability in those three areas.

**Tour of HCC Engineering Technology Laboratories was conducted with Alex Anzalone.**

**Date for next Industrial Advisory Meeting:**

Tina stated that the next meeting will be **May 26, 2011, 4:30-6:30 pm**. (The site was just decided and there will be a tour of Southern Manufacturing Technologies PRIOR to the IAC starting at 3:30 with the meeting at Custom Design Systems, all in Tampa)

Tina adjourned the meeting at 6:50PM.

Respectively submitted,

Brad Jenkins