



**St. Petersburg College
Clearwater Campus**

**Department of Engineering Technology and Building Arts
Advisory Committee Meeting**

Wednesday, November 10, 2010

Summary

Members Present: Roger Harvey, Bob Hudson, Greg Seay, Marcus Heiler, Matt Smith, Dan Bloom, Bill Venz, and Brad Jenkins.

Members Excused: Mark Snyder, David Reese, Ken Conforti, Don Houdek, Joe DiPasqua, Clint Mells, Steve Askew, Bill Erdmann, Lou Grilli, Randy Swanson, German Jaramillo, Ed Homan, John DeBella, Keith Matthews, Tina Brudnicki, Rodney Fischer, Johnny Moore, Ned Stacy, Frank Cain, Bill Erdmann, and Lisa Maciolek.

Guests: Gary W. Graham, Outreach Coordinator, Academic & Student Affairs, SPC, Jay Margolis, and Kyle McCollum.

Brad Jenkins welcomed the advisory members to the fall meeting and welcomed new member Dan Bloom, DBAI Consulting to the committee. Guests included Gary Graham and Kyle McCollum.

Brad provided the enrollment update from 2009 to this fall 2010 year, in which the enrollment is down overall about 6% in Engineering Technology and is up about 7% in Building Arts, after being down the year before in 2008. The reason for the increase in the Building Arts was due to the new energy related course offerings and the decrease in Engineering Technology was due to a correction in the course offerings in the technical core. The enrollment remains strong in the ET program and it appears that Building Arts is increasing.

The committee received the information on the July 2010 graduates that brought the total for the year to 35 students receiving AS Degrees in Engineering Technology and Building Arts and 98 receiving college certificates. This list of the graduate data and enrollment will be sent to all members.

The committee received an update on the action items from the May 26, 2010 meeting and the only items that are still open are the survey questionnaires for alternative energy and nanotechnology along with the update for the ET and BA department web pages. Gary Graham commented that the college is working on a common format and needs to update over 16,000 web pages. Bill Venz's suggestion, from the last advisory meeting, that the department look into the possibility of offering a summer camp utilizing Solidworks and Rapid Prototyping for high school students is being reviewed for consideration and development.

In regards to the curriculum offerings, the new courses developed this past spring and summer will have the first offering this spring 2011. The Solidworks Simulation Design Analysis course and the Advance Architectural Revit courses will be offered in the evening.

The results, from the certificate review, completed at the last advisory committee meeting, have not been compiled yet by the Florida Advanced Technological Education (FLATE) Center. As soon as those results are completed, that information will be sent to the members.

In exploring the advanced technology opportunities for the department, Brad mentioned that the college is a testing site for SolidWorks and work has begun to develop another certificate program in SolidWorks, that would be a separate certificate under the Digital Design and Modeling specialization. There will be some additional information later on this proposal.

The department is also seeking additional space to house and expand all the laboratories. The new name given to this area will be: The Collaborative Center for Emerging Technologies (CCET). There will be more information later on this initiative.

The grant opportunities and updates, included an NSF National Center Grant partnership with Rochester Institute of Technology to offer curriculum and special education for the deaf and hearing impaired students and graduates of Engineering Technology programs through the DeafTEC proposal. The NSF Grant proposal will be acted upon for review by NSF in December. The grant would also involve the industrial community in our area. The college is also the primary lead on the NSF Planning Grant for Medical Devices. The planning grant is used to write a proposal for a National Center for Medical Devices. The FLATE updates included the fact that 10 community and state colleges have now adapted the AS degree in Engineering Technology.

In student updates, an Honor Society Chapter for Architectural Students was started this fall with Jason Green, an Architectural Instructor, serving as the advisor.

Other discussion topics included the Six Sigma Green Belt update from Jay Margolis, the Lean Six Sigma Instructor. Jay provided information concerning his working with both the healthcare industry on the needs of that sector and the public safety program here at SPC to add the lean and six sigma topics or courses into that program. Jay remarked that he is also looking into developing the lean six sigma courses for on-line delivery.

Bob Hudson, Instructor in Building Arts provided an update on the AS degree in Building Construction as well as the new BAS degree in Sustainability Management. He also explained

how the AA degree in architecture articulates directly into the MA degree in Architecture at the University of South Florida. This is the only AA program of its type to go directly into a Masters program.

The action items of this meeting included:

1. Brad Jenkins will provide the update concerning any new facilities for the department's laboratories.
2. 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 that did not attend this meeting.
3. A survey questionnaire will be developed for both the alternative energy and nanotechnology areas and sent to the committee for input.
4. The committee members were asked to email additional topics on nanotechnology and what they think would be required for a technician to have to work in emerging companies using nanotechnology. Those comments should be sent to jenkinsb@spcollege.edu.

The meeting was adjourned at 6:45 p.m.

The next meeting will be Wednesday, April 13, 2011. The agenda will be sent out prior to the meeting.

Respectfully submitted,

Bradley E. Jenkins
Secretary