

# Owens Community College

## Biomedical Electronics Major Advisory Meeting

Date: November 5, 2007

Location: Owens Community College, Law Enforcement 145/147

Industrial Attendees: Craig Browne, Don Finney, Ted Fisher, Bob Hanna, Bob Harold, Sri Kolla, Brent Lamarand, Scott Loehrke, Chuck Lupien, Tom McLeary, Nathan Miles, Sean Nestor, Dan Niedzwiecki, Jim Olzak, Dave Schuck, John Schwarzkopf, Bill Shade

Student Attendees: Jeremy Cook, Anna Counterman, Aaron McLuckie, Victor Sambo, Gerald Trudeau, Eric Zakrzewski

Owens Attendees: Guenter Brunner, Bruce Busby, Mark Durivage, Lynn Kendall, Tom Mahas, Nerur Satish, Bill Shepherd, Paul Svatik, Don Szymanski, Jay Taylor, Dan Wedding; Advisor-Don Standish

Topic	Discussion/Rationale	Recommendation/Decision/Action
Call to Order and Review of Previous Minutes	<ul style="list-style-type: none"> <li>• The meeting was called to order at 5:40 p.m. by Secretary John Schwarzkopf.</li> <li>• A moment of silence was observed in memory of Scott Roberson, whose years of service and guidance to the EET Department programs was fondly remembered.</li> </ul>	<ul style="list-style-type: none"> <li>• Minutes of the previous meeting can be viewed on the Owens web site and will be approved at the spring meeting.</li> </ul>
Enrollment and Retention Report	<ul style="list-style-type: none"> <li>• The overall EET Department enrollments have increased 22% -- 283 students fall 2007 to 345 students this semester.</li> <li>• Overall School of Technology (SOT) numbers are up by 9% -- 1227 students fall 2007 to 1340 students this semester.</li> <li>• Biomedical, Computer Science, Automation Electronics, and Wide Area Networking have all shown a gain in enrollments from last fall.</li> <li>• An all-female "We are IT" event is planned for November 16. There are 100 girls registered so far.</li> <li>• Tech Prep students are currently coming to Owens for testing. A \$2000 Tech Prep Scholarship is available which will hopefully entice students.</li> <li>• The SOT participated in a college-wide orientation event for high school guidance counselors called "Start Your Engines – Counselor Update 2007".</li> </ul>	<ul style="list-style-type: none"> <li>• The First Year Experience has been incorporated into the SOT Technology and Society course.</li> <li>• Supplemental instructors are being investigated for classes with high drop out or failure rates.</li> <li>• Each school will soon have Student Success Mentoring.</li> <li>• The advisory process is being decentralized, allowing an advisor to be available for each school.</li> <li>• The Deans will be sending follow-up letters to individuals who requested information thanking them for their interest.</li> <li>• Nerur Satish will contact Jennifer Ireland regarding February's National Engineering Week activities.</li> <li>• Instant Messaging/Chat is in the piloting stage on the Owens web site.</li> </ul>
Faculty Report	<ul style="list-style-type: none"> <li>• Paul Svatik reported that it was almost two years ago that it was decided that biomed students need networking. With the help of local hospitals and OCEA, it was decided the best format was a 1.5 credit hour, three-day intensive seminar course. To-date, 55 biomed professionals from across the state have gone through the course.</li> <li>• The individuals that completed this networking</li> </ul>	<ul style="list-style-type: none"> <li>• The power supply being used in the Engineering Graphics course is no longer being manufactured. With the help of Lynn Kendall, Alan Bethea (CAD faculty member), and Jim Gilmore (Manufacturing Chair) a prototype of the power supply chassis has been built. Lynn has gotten all the electronics for it and the students are assembling it. Jim is now considering stamping</li> </ul>

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	<p>seminar wanted more, so Jay Taylor has developed a level two seminar. The first one was offered in October.</p> <ul style="list-style-type: none"> <li>• Paul Svatik held a meeting for all current biomedical students. Of the 78 invited, 20 attended. The junior and senior students were able to interact with each other and faculty. Curriculum and internships were discussed.</li> </ul>	<p>the chassis instead of machining it. This will be an all-student project involving a number of SOT programs.</p> <ul style="list-style-type: none"> <li>• Jay Taylor is working on combining both 1.5 credit hour Networking for Biomedical Professional seminars into one 3 credit hour course to be included in the Biomedical Electronics curriculum.</li> </ul>
Student Report	<ul style="list-style-type: none"> <li>• Student Anna Counterman stated that the internship program is great. It allows the student to see and touch the equipment instead of having the instructor tell you about it.</li> </ul>	
Outcomes Assessment Status Report	<ul style="list-style-type: none"> <li>• Outcomes have been reviewed and most areas met or exceeded expectations.</li> <li>• Areas not meeting expectations were not due to program instruction.</li> </ul>	
Outcomes Competency Validation	<ul style="list-style-type: none"> <li>• Competencies continue to be reviewed and modified where needed.</li> </ul>	
Professional Development, Partnerships and Articulation	<ul style="list-style-type: none"> <li>• Jay Taylor is participating in the Ohio Statewide TAG effort.</li> <li>• Paul Svatik is serving as Vice President of the Northwest Ohio Region of the Ohio Clinical Engineering Association (OCEA).</li> <li>• Jay Taylor attended the HL7 and DICOM seminar given by Otech in Grapevine, Texas, in September.</li> <li>• There has been good interaction with educational partners such as BGSU. Dr. Sri Kolla has invited EET Department faculty and tech teams to work closely with them. What can be learned from each other is very useful.</li> </ul>	<ul style="list-style-type: none"> <li>• The Department will continue to work with Tech Prep and local high schools and universities to define and refine articulations.</li> <li>• Dan Solarek from UT College of Engineering technology has proposed to partner with the SOT in the Ohio First Scholarship program. Our programs could feed into the 2 + 2 in areas such as Entrepreneurship Program in Technology.</li> </ul>
Program and Curriculum Enhancements	<ul style="list-style-type: none"> <li>• See faculty report.</li> <li>• Visual Basic will be offered Spring 2008.</li> <li>• Smart Board Technology is being used in lab 153.</li> <li>• Computer Digital Forensics courses are being woven into the WAN curriculum.</li> </ul>	<ul style="list-style-type: none"> <li>• The first digital forensics course will be added to the Computer Science curriculum as a technical elective.</li> </ul>

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Equipment, Facilities, and Staffing	<ul style="list-style-type: none"><li>• The Process Control System brought in under the AIM program will be shared with the Automation Electronics program.</li><li>• Computer Diagnosis hardware, laptops, routers and switches and precision multimeters are being purchased with capital equipment funds.</li></ul>	<ul style="list-style-type: none"><li>• Several Owens Community College courses are being offered at The Source in Toledo.</li></ul>
Accreditation Status	<ul style="list-style-type: none"><li>• SOT programs have continued ABET or NAIT accreditation through 2009.</li></ul>	
Other	<ul style="list-style-type: none"><li>• The meeting adjourned at 6:45 p.m.</li></ul>	<ul style="list-style-type: none"><li>• Chair-Mike Sparks, Vice Chair-Steve Hanenkrath, Secretary-John Schwarzkopf</li></ul>