

# Owens Community College

## Biomedical Electronics Major Advisory Meeting

Date: November 3, 2006

Location: Owens Community College, LE 145-147

Industrial Attendees: Michael Bayes, Craig Browne, Steve Byerly, Steve DeLonge, Steve Hanendrath, Bob Hanna, Bob Harold, Sri Kolla, Scott Loehrke, Chuck Lupien, Dan Niedzwiecki, Jim Olzak, Jeff Osthimer, Tim Pfleghaar, John Rust, John Schwarzkopf, Mike Sparks, Dave Thompson, Jeff Wagner

Student Attendees: Abe Sachs, Chris Stroll, Brad Taylor, Jason Young

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

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 12:30 p.m. by Chairman Mike Sparks.</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>Overall EET Department enrollments for this fall have shown a slight decline compared to last fall.</li> <li>Biomedical program enrollment has increased one student to 52.</li> <li>More students are being served through courses such as EET 130 that are offered as traditional and hybrid web.</li> <li>The on-campus presence of professional organizations such as OCEA and CANWO provide students with networking opportunities.</li> </ul>	<ul style="list-style-type: none"> <li>Dean Durivage is campaigning to get a full-time advisor to reside in the IET building to better serve students.</li> <li>Targeted marketing toward high school Tech Prep students is being implemented.</li> <li>Off-site courses to reach industrial/health care partners are being developed and delivered.</li> <li>Articulation agreements with high schools and universities are being improved.</li> <li>The EET Department will provide job shadowing opportunities whenever it is possible.</li> </ul>
Faculty Report	<ul style="list-style-type: none"> <li>Paul Svatik reported that Owens has one of the premier Biomedical programs in the nation due to the NW Ohio internship sites.</li> <li>Paul Svatik is VP for the NW Ohio Region of the Ohio Clinical Engineers Association (OCEA). Owens hosted meeting where Jay Taylor gave a presentation on networking.</li> </ul>	<ul style="list-style-type: none"> <li>A Networking for the Biomed Professional course has been developed by Jay Taylor and will be offered in the spring. It is not only for Biomed students, but anyone who wants the basics of networking. If this course is successful, a more advanced course can be developed.</li> </ul>
Student Report	<ul style="list-style-type: none"> <li>Brad Taylor commented that he is glad that networking is in the program now. He feels that an internship program would be good for the Computer Science program because it is a valuable learning tool.</li> </ul>	

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Outcomes Assessment Status Report	<ul style="list-style-type: none"> <li>• Outcomes for previous semesters were reviewed in EET Department meetings and most of the areas had been met or exceeded the outcome expectations. Areas that did not meet them were determined not to be program instruction related.</li> </ul>	
Outcomes Competency Validation	<ul style="list-style-type: none"> <li>• New rubrics are now being used to measure student outcomes in all courses.</li> </ul>	
Professional Development, Partnerships and Articulation	<ul style="list-style-type: none"> <li>• The State-wide Transfer Assurance Guide (TAG) that is being created will enable a smooth transfer of courses between two and four year institutions within the state.</li> <li>• Jay Taylor is on the OBR Career Technical Credit Transfer faculty subcommittee.</li> <li>• Faculty member Dan Wedding and his sister Vicki Kurtz hosted a tour of their family owned engineering company, Imaging Systems Technology for interested SOT faculty and staff. Application areas of the Plasma-Spheres TM include large panel displays, airport security, and safety aspects in the trucks/transportation industry.</li> </ul>	<ul style="list-style-type: none"> <li>• The work defining and refining Tech Prep articulations is continuing.</li> <li>• The EET Department and the School of Business are participating in an Information Technology event for area high school girls in November. Several hands-on activities are planned covering networking, hardware and software.</li> </ul>
Program and Curriculum Enhancements	<ul style="list-style-type: none"> <li>• Tom Mahas is leading an initiative to run EET 130 Computer Diagnosis at off-campus locations and also as web hybrid classes (lab component is completed at the college).</li> <li>• Jay Taylor has successfully lead another initiative offering the EET 281 Basic Networking course in blended format with the incorporation of remote lab concepts. These classes and labs can now be run at customer sites.</li> <li>• Findlay Campus Professor Dave Shaheen has developed and initiated the web version of EET 118 C Programming.</li> <li>• Jay Taylor has developed a course titled Networking for the Biomedical Professionals that will be taught in the spring 2007.</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>

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Equipment, Facilities, and Staffing	<ul style="list-style-type: none"><li>• Capital equipment purchases for fall 2006 include:<ul style="list-style-type: none"><li>- Amatrol PLC Analog Applications system to serve EET and AIM needs</li><li>- an EET dedicated server to serve IET 153 and Computer Science Major</li><li>- various meters and function generators</li><li>- micro controller equipment</li><li>- CCNA lab upgrade bundle and servers</li><li>- Boson Net Sim CCNA/CCNP security bundle</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Computer system upgrades (Pentium 4 based systems) for several rooms are in the process of being purchased. This will upgrade the hardware/software in rooms 167, 163, 171, and 154.</li></ul>
Accreditation Status	<ul style="list-style-type: none"><li>• ABET has granted several of the School of Technology programs continued accreditation through 2009.</li><li>• Work has begun on the NAIT follow-up report. Professor Svatik and Nerur Satish will be attending the NAIT annual convention awards ceremony in Cleveland in November.</li></ul>	
Other	<ul style="list-style-type: none"><li>• Meeting adjourned at 1:40 p.m.</li></ul>	<ul style="list-style-type: none"><li>• The School of Technology web site has been updated to include job outlook data for both state and national levels, graduate employment data, and new updated photos.</li><li>• Chair-Mike Sparks, Vice Chair-Steve Hanenkrath, Secretary-John Schwarzkopf</li></ul>