

# Owens Community College

## Computer Science Major Advisory Meeting

Date: April 3, 2013

Location: Honey Diner, Walbridge, OH

Industrial Attendees: Tom Gray, Tom McLeary, Sean Nestor, Dave Schuck, Peter Szymanski, Barb Vidra, Matthew Zuccarell

Student Attendees: Chris Kervick

Owens Attendees: Tom Mahas, Dan Wedding, Kristen Rothfeld, Renay Scott, Diana Stachowiak

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 5:35 p.m. by Chair Barb Vidra.</li> <li>• All minutes are posted to the School of Technology website under the appropriate program.</li> </ul>	<ul style="list-style-type: none"> <li>• Minutes of the spring 2012 meeting were reviewed and approved.</li> </ul>
Enrollment and Retention Report	<ul style="list-style-type: none"> <li>• The Computer Science program enrollment is down 18.4% (from 206 to 168 students). This is a total of both Toledo and Findlay Campuses.</li> <li>• Overall, the College had a drop in enrollment. Colleges and universities all over the country are seeing lower enrollments.</li> <li>• There are many efforts in process to retain in-coming students.</li> </ul>	<ul style="list-style-type: none"> <li>• Dual enrollment gives high school students credit for college courses taught by qualified high school or college instructors.</li> <li>• Turn around transfer gives Owens degree completion credit for students who start at Owens and transfer to UT or BGSU.</li> <li>• Marketing of programs is being reviewed. Program I-sheets are being created for program specific marketing.</li> </ul>
Faculty Report	<ul style="list-style-type: none"> <li>• Dan Wedding reported that the biggest change in the program is switching the programming language back to C Programming from Visual Basic.</li> <li>• Tom Mahas reported that the subcommittee is still working on adjusting the course sequence so it flows better and without duplication. The subcommittee will need to meet again before the semester is over.</li> <li>• Tom Mahas would also like to discuss with the subcommittee about making both the Digital and Advance Digital courses that are 4 credit hours each, into three courses at 3 credit hours each, giving students more lab time.</li> </ul>	<ul style="list-style-type: none"> <li>• C Programming will be a better fit for the courses following the intro course.</li> <li>• As courses offered do not have to be attached to a specific degree any more, Visual Basic may be offered as an elective, incorporated into one of the program courses, or offered as an option.</li> <li>• It was suggested that the IST faculty, Brian Garza and Denise Pheils be invited to attend the subcommittee meetings. Anyone else that would like to join is welcome.</li> <li>• Advisory members agreed that Computer Science majors do not need a dedicated AC circuit course.</li> <li>• Tom Mahas thought it would be nice to have a Cisco course added into the program.</li> </ul>
Student Report	<ul style="list-style-type: none"> <li>• Student Chris Kervick is generally happy with the program. He is planning to transfer to UT. He was disappointed that he wasn't advised to take a higher level of math that would transfer to UT, as he now has to take Calculus I and II.</li> <li>• Student Chris Kervick was pleased to hear about the curriculum changes being discussed because he thinks these changes will be better for students.</li> </ul>	<ul style="list-style-type: none"> <li>• Owens now has advisors that deal specifically with students that intend to transfer to four year universities.</li> <li>• Computer Science student Chris Kervick commented that students who want to transfer to the University of Toledo or another four year institution should take Calculus I and II.</li> </ul>

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<p>Outcomes Assessment Status Report</p>	<ul style="list-style-type: none"> <li>The chair presented the four program outcomes to the advisory committee and asked if the outcomes for the program were appropriate or did the outcomes need to be edited.</li> <li>Committee member Matthew Zuccarell commented that it was nice to see the student's progress in the Computer Science core courses being measured and he suggested that the faculty make a trending graph to compare the percentages.</li> <li>Committee members asked if the students who drop out of the courses were included in the percentages shown and chair Diana Stachowiak told the committee that the drop students were included in the count. She explained that drop students were included so that a comparison could be made with Fall 2013 data and the implementation of more strict late registration policies.</li> </ul>	<ul style="list-style-type: none"> <li>All members of the committee agreed that outcomes three and four were redundant.</li> <li>After some debate, three new program outcomes were agreed on; 1) Students will differentiate, analyze, and construct electric circuits; 2) Students will become proficient in designing, analyzing, implementing, and debugging algorithms in a computer language; and 3) Students will diagnose and repair advanced computer systems and peripherals.</li> <li>Diana Stachowiak will input the new program outcomes into TaskStream.</li> </ul>
<p>Outcomes Competency Validation</p>	<ul style="list-style-type: none"> <li>There are industry competencies in all areas of the Computer Science field.</li> </ul>	<ul style="list-style-type: none"> <li>There is state-of-the-art learning validation for this program and competencies are based on active industry feedback and curriculum updates.</li> </ul>
<p>Professional Development, Partnerships and Articulation</p>	<ul style="list-style-type: none"> <li>The EET Department is working with Buckeye Cable System to implement an internship program for WAN and Computer Science students.</li> </ul>	<ul style="list-style-type: none"> <li>If any employers have internship possibilities for students, please let Diana Stachowiak know.</li> </ul>
<p>Program and Curriculum Enhancements</p>	<ul style="list-style-type: none"> <li>See Faculty Report section.</li> <li>In an effort to get students through school successfully and out into the workplace, the Ohio Board of Regents (OBR) has established a goal of associate degrees requiring approximately 60-65 credit hours.</li> <li>The Computer Science advisory committee questioned requiring the students to take AC electronics. They felt that electronic devices and digital electronics are definitely needed.</li> <li>Daniel Wedding explained to the committee the debate of whether to go with C Programming versus VB Programming and Provost Dr. Renay Scott proposed a way to have both programming languages in the degree.</li> </ul>	<ul style="list-style-type: none"> <li>OBR requirements have changed so that Composition II is not needed. It has been suggested to drop Composition II and add more report writing into technical courses.</li> <li>Starting in fall 2013, students will be paying late registration fees and the cut-off period to add courses will be earlier in the semester.</li> <li>Since the members of the committee felt that C Programming is the primary language that should form the basis of the degree, Dr. Scott proposed that VB programming could be kept on the books and presented optionally when enough students wish to study the language. She told the committee that they could also form a different track for the Computer Science degree based on VB Programming.</li> <li>Committee members felt that Computer Science students would be well served if they had to take</li> </ul>

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		Networking, Routing, Switching, & VOIP/SIP.
Equipment, Facilities, and Staffing	<ul style="list-style-type: none"><li>• There is a possibility that three of the Information Systems Technology (IST) faculty, along with their Networking, Information Assurance, and Network Security programs will be joining the School of Technology.</li></ul>	<ul style="list-style-type: none"><li>• The program equipment is sufficient at this time.</li></ul>
Accreditation Status	<ul style="list-style-type: none"><li>• The EET programs are accredited by the Association of Technology, Management and Applied Engineering (ATMAE) through 2015.</li></ul>	<ul style="list-style-type: none"><li>• Student collections for the next visit will take place fall 2013 and spring 2014.</li></ul>
Other	<ul style="list-style-type: none"><li>• Advisory members were thanked for their commitment and service.</li><li>• The meeting adjourned at 7:20 p.m.</li></ul>	<ul style="list-style-type: none"><li>• Chair-Barb Vidra, Vice Chair-Tom Gray, Secretary-Tom McLeary</li></ul>