Owens Community College

Computer Science Major Advisory Meeting
Date: April 2, 2014
Location: Industrial & Engineering Technologies Building, Room 130
Industrial Attendees: Tim Brand, Ted Fisher, Tom Gray, Tom McLeary, Sean Nestor, Dave Schuck, Barb Vidra, Matthew Zuccarell
Student Attendees:
Owens Attendees: Tom Mahas, Jacey Parks, Janice Skaggs, Diana Stachowiak, Dan Wedding

Topic	Discussion/Rationale	Recommendation/Decision/Action
Call to Order and Review of Previous Minutes	- The meeting was called to order at 5:50 p.m. by Chair Barb Vidra. - All minutes are posted to the School of Science, Technology, Engineering, and Mathematics (STEM) website under the appropriate program.	Minutes of the spring 2013 meeting were reviewed and approved.
Enrollment and Retention Report	- The School of STEM has 5,567 students last year at this time compared to 5,177 this year. This is a 7% decline in enrollment. - Overall College enrollment is down approximately 12%. - Computer Science enrollments (Toledo and Findlay) have dropped 9 students (9.4%) from last spring. Actually, this is not too bad when compared to other degrees within the School of STEM. - A drop in the population and an 11% drop in graduation rates has impacted enrollment. - Many initiatives are being implemented to retain students currently enrolled. - Media attention focused on the cost of education may also have affected enrollment.	- A College reorganization brought the Math and Science Departments under the School of Technology, thus the name of the School has changed to School of STEM. - The Network and Information Systems Technology (NIST) and the System Security and Information Assurance (SSIA) programs from the School of Business were moved under the Electrical/Electronics Engineering Technology, thus changing the name of the Department to Electrical Engineering and Computer Technologies (EECT). - There are now four full-time advisors that reside in the Industrial & Engineering building. This is having a positive effect as improvements are being seen in courses.
Faculty Report	- Dan Wedding reported that he has been working on the TAG courses, so has not had time to implement the C Programming course. He asked advisory members for suggestions on a good compiler. - Tom Mahas reported there hasn't been much in the way of changes on the hardware end of things. Computer Science is the fastest changing field in industry and Tom thinks the program is falling a bit behind. The Department will be working to bring the program up-to-date.	- Diana Stachowiak has submitted the paperwork to the Curriculum Committee to get C Programming back into the curriculum. The committee has been inundated with changes, so the paperwork is sitting in their queue. - Advisory members suggested Visual Studio as a good compiler for Dan Wedding to use.
Student Report	The student invited to attend could not make the meeting.	

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Outcomes Assessment Status Report	• The 2012 and 2013 Computer Science Student Learning Outcome Assessment Results were shared with the committee.	• Students were having difficulty in EET 205 Advanced Digital Circuits because they did not have any programming before they took the course. Paperwork has been submitted to add EET 119 VB Programming as a prerequisite to EET 201 Digital Circuits. EET 201 is a prerequisite of EET 205. The next report should show improvement in that area.
Outcomes Competency Validation	• There are industry competencies in all areas of the Computer Science field.	• There is state-of-the-art learning validation for this program and competencies are based on active industry feedback and curriculum updates.
Professional Development, Partnerships and Articulation	• The EECT Department has been working on tagging as many courses as possible. These are courses that can be transferred to any other institution in the state that also has tagged courses. Advisors are asking students when they first enroll if they plan to continue their education at a four-year institution. If so, the advisor can recommend the correct set of courses. Students are also told to check with advisors at the institution they are transferring to.	• The advising staff is doing a great job getting students into the right classes, but there still are those students that self-advise. Advisors have been making classroom visits to introduce themselves and encourage students to make an appointment to see them.
Program and Curriculum Enhancements	▪ There was much discussion on what courses are important to keep and which ones can be eliminated or integrated into other courses. ▪ The Ohio Board of Regents has lowered the required number of credit hours for a degree to 64. Of these 64 credit hours, 15 credit hours must be general education and 15 basic education courses. Some of the EET basic technical courses can be classified in the basic education category.	• Advisory members felt that the skill of logically looking at a problem, being able to document it, as well as being able to understand algorithms was important and should be in the curriculum. Diana Stachowiak will investigate to see what courses of this type may already be offered on campus. • Advisory members felt that there will always be a distinction between the business side of computers and the engineering side – they will never merge. • Advisory members agreed that EET 110 Electronics I and EET 102 Circuit Analysis II could be eliminated from the Computer Science curriculum.
Equipment, Facilities, and Staffing	• Tom McLeary is not going to be teaching for a while. Tom Mahas is hoping that Ted Fisher will be willing to take over Unix Concepts.	• More Linux devices are being used in industry. As are VMware and "The Cloud". • The program equipment is sufficient at this time.
Accreditation Status	• The EET programs are accredited by the Association of Technology, Management and Applied Engineering (ATMAE) through 2015.	• Student materials are being collected for the ATMAE site visit in Spring 2015.
Other	• Advisory members were thanked for their commitment and service. • The meeting adjourned at 7:35 p.m.	• Chair-Barb Vidra, Vice Chair-Tom Gray, Secretary-Tom McLeary

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