Owens Community College

Biomedical Electronics Technology Advisory Meeting
Date: Friday, September 23, 2016
Location: Room 130, Industrial & Engineering Technologies Building
Industrial Attendees: Steve Hanenkrath, Scott Loehrke, Jason Rogers, Mike Sparks
Student Attendees: Sean Danielak, Lawrence Heninger, Brad Muszynski
Owens Attendees: Diana Stachowiak, Paul Svatik

Topic	Discussion/Rationale	Recommendation/Decision/Action
Call to Order and Review of Previous Minutes	• The meeting was called to order at 12:15 p.m. • Minutes are posted to the School of STEM web site under the appropriate advisory committee.	• Minutes from the spring 2016 meeting were reviewed and approved with a correction to the enrollment report. The first bullet point, second sentence should read: This is a decrease of 1.5%.
Enrollment and Retention Report	• The overall College-wide enrollment is only down 1.1% from last year at this time. There were 9,477 students last year compared to 9,377 this year. • The overall School of STEM enrollment, that includes Toledo and Findlay, is 2,751 students compared to 2,162 students last year at this time. This is an increase of 589 students or 27.2%. • The Biomedical Electronics program combined Toledo and Findlay enrollment is down 10 students to 24 or 29.4%. Toledo Campus is down 14 students or 41.2% and Findlay Campus has 4 students.	• A 1.1% decline in enrollment is good news. This is hopefully an indication that enrollments are starting to level off. • There are three other divisions on campus; all three still had decreases in enrollment this fall. The School of STEM was the only division with an increase. • College Credit Plus is a big reason that the School of STEM had an increase. High schools are offering Owens courses to their students. The instructors are vetted to make sure they meet ATMAE accreditation standards. They use our textbook and our syllabus and the equipment must meet our approval. This program helps the students/parents pay less when they come to Owens.
Faculty Report	• Paul Svatik stated that Mike Sparks retired from teaching and seems to be enjoying it. Nathan Burks expressed an interest that he would like to teach and is now the Biomed internship instructor. Paul is teaching an EET 102 class with 7 students – all are doing fairly well. He is also teaching EET 211 with 11 students. • Nathan Burks has six dedicated students. They are getting the experience they expect. Students are interning at St. Lukes, Flower, St. Annes, St. Joes and UTMC this semester. Mike Sparks did an awesome job of getting him class notes and materials. Nathan is also getting up to speed with Blackboard.	• From what Paul Svatik can tell, Nathan Burks is doing a pretty good job as the new Biomed internship instructor. • Paul Svatik had a problem last semester with an intern missing three weeks and losing his place at the internship site. It took some doing, but he was able to find another site for that student and he did graduate. Paul does emphasize to interns not to mess up and lose their internship site. If another internship site cannot be found, the student will not be able to complete the program.
Student Report	• Student Lawrence Heninger did not like the Cisco classes. He does understand the need for it, just wished there was something to make it more interesting and not stuck at the	• Diana Stachowiak said student complaints about that particular Cisco class was duly noted. A new instructor is teaching the night section that is far more interactive

	computer for five hours. Maybe better demos instead of just reading the material. • Student Sean Danielak saw no problems with his classes. He did not update his catalog of record, so now he has to take both his Cisco classes and one only runs in the fall. • Student Brad Muszynski was told by the advisor that English II was no longer required, but it is still showing on his degree audit. • Many of the Cisco students are students from UT and BG that already have a bachelor's degree. Because system engineers make more money, many are coming back to get their Cisco Certificate to be more employable.	• with students and the students like him a lot. • Cisco dictates how long the lectures and labs are and provides the curriculum. Diana Stachowiak apologized that student Sean Danielak was stuck in this situation, but there is nothing she can do. Having some Cisco training will definitely be helpful for his career. • Student Brad Muszynski will need to change his catalog of record. • Meeting with an advisor can help make sure problems are avoided.
Outcomes Assessment Status Report	• Diana Stachowiak is collecting outcome data, but it will take a little longer for her to build the reports as she will have to create new templates.	
Outcomes Competency Validation	• There are industry competencies in all areas of the Biomedical Electronics 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	• Nothing was reported.	
Program and Curriculum Enhancements	• The State is mandating that degrees be no more than a total of 62 credit hours. The Biomed program is currently at 64 credits. Discussion revolved around what course to remove to bring the total to 62 or below. STM 105 is not required by the State or for ATMAE accreditation, but is essential to the success and retention of the students we serve. • It was suggested to offer STM 105 as an orientation type of class and not as a credit class. • Also proposed, was that advisory committee members write letters of support to keep the Biomedical Electronics degree at 64 credits to keep STM105.	• Advisory members agreed to write letters of support (if a template letter is provided) to keep the program at 64 credits. • Advisory members proposed, with hesitation, pulling C Programming out of the curriculum as it provides no real value for Biomedical technicians. One problem with this is that not all Biomed graduates become Biomed technicans, some do take positions in the electronics field according to Jason Rogers.
Equipment, Facilities, and Staffing	• Students will start getting exposure to VMware and virtual machines starting next fall in EET 130, 131 175, 221, and 222. • Darla Greer, the School of STEM secretary, will be retiring at the end of the year. • LinkedIn groups are currently being created for all the degrees. The first one completed will be for Biomed. Instructors are informing students that they will help them	• $95,000 was spent on VMware and servers to build a cloud for the EECT department. Everything purchased is upgradeable. • Once a student graduates, he/she can join their particular program group on LinkedIn. Employers who are looking for employees will then be able to see the graduate's page. It is a great way for them to network and get jobs.

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	build a page where they can upload completed projects and talk about their internships.	
Accreditation Status	• Nothing to report	
Other	• Diana Stachowiak thanked everyone in attendance for their time and commitment to the program. • Meeting adjourned at 1:25 p.m.	