

SPC- Annual College-wide Advisory Dinner Meeting		
9.24.2015	4:30-7:00 PM	Seminole Campus
Meeting called by	Giovanna Taylor	
Type of meeting	Annual Advisory Committee Dinner	
Facilitator	Giovanna Taylor	
Note taker	Kaitlin Gibbons	
Attendees	See Below	
Introductions and Program Update		
15 Minutes		
Attendees introduced themselves and provided a brief overview of their organization/business.		
Program Update		
Committee was provided an update of program accomplishments for the past year. Also provided enrollment and instructional statistics. Members noted the exceptional work that has been done. Committee was briefed on the status of the program which is transitioning from non-credit to credit. Currently waiting on final approval from SACS. Unanimously supported the move from non-credit to degree as a critical step.		
Presentation- Program graduate- Catherine Shae Chandler		
15 Minutes	Catherine Chandler	
Committee viewed a video produced by the student and she discussed how the program helped her gain access to an internship and a permanent full-time position with Avalon Biomed.		
Introduction of Key Topic and Committee Discussion		
90 minutes		
Discussion	What are the key credentials valued by the medical device industry?	
<ol style="list-style-type: none"> 1. Skills and Industry certifications discussed for students to have when showing up to work/interview: <ul style="list-style-type: none"> • Work readiness skills/good work ethics • Come with capacity to learn • CBET certification • A+ certification 2. Discussed how the industry has poor certifications. No “standard” across the board or for all. The most values credential is the A.S. degree. B.S. level engineering have the theory, but not the hands on skills of the A.S. candidates. Some additional certifications that are valuable are: <ul style="list-style-type: none"> • ASQ • Black Belt/Six Sigma 3. What is the critical in class knowledge needed for industry success? <p>Better understanding math/electronics/computers/networks.</p> 4. Are there any specialty areas that should be explored? <p>Sterilization autoclave:</p> <ul style="list-style-type: none"> • No real “in class” or classroom training for this field • Most is hands on or on the job training 		

- Hard to achieve training
 - How do we prepare them for the areas like this which are hard to achieve training in.
 - Equipment is expensive, companies may fear students will “break” or damage the equipment prior to learning it
 - Basic knowledge/skills needed for Sterilization specialty:
 - Regulations
 - Operations
 - Audits
 - Contracts/ Legal
 - EPA- OSHA
 - Foundational science
 - History of the industry
 - ASQ-C
 - Training is a huge problem
 - Need to develop evidence of competency
 - Discuss industry unique areas in special topics

- 5. Possible solution: Virtual training or simulation training
Provide “hands-on” before actual use on equipment
 - Partner with the school for the simulated training
 - Target incumbent workers and students
- 6. Regulations
Discussed the importance of students knowing various regulations and keeping up with them
- 7. What the partners found important when hiring a new graduate:
Employers prefer a degree for engineers over just experience
Students need the ability to advance from the A.S to a 4 year degree
Joint Commission (hospitals and health care facilities) and FDA (manufacturers) are looking for *minimum* of associate’s degree for employees.
Students need credentials
 - At least base knowledge
 - FDA certification (All medical device company employees need to understand the FDA process). Great opportunity for mini-certification.
 - Verification/validation competency/ process
- 8. What % of industry’s workforce needs a degree?
 - FDA registered manufactures are required to have a percentage of their workforce with college degrees.
 - Dan: 30%
 - Bill 40%
- 9. Industry partners all agreed it is important for program/students to keep up with relevant technology-DO NOT PLAY CATCHUP by trying to train after the fact.
How do we engage the students prior to coming on to the job? How do they gain that

experience?

- Experiential learning is critical
- More hands on-needed in the program of study
- Component level electronics
- Need to lead in technology (virtualization?)
- Internship opportunities must be provided

10. Internships and degree structure:

- Need to send internship survey sent out to companies
- Partner with industry for internships
- Balance between degree and certification
- Show adaptability
- Balanced training/competency
- Program of study should be supported by advanced certs from industry
- Need to build more continuing education programs for the medical device industry
- Increase college enrollment
- Offer CEU's for current employees as well as credit courses and degree
- Virtualization of training on equipment is a must!!!!!!! Equipment is expensive and not always available for student to work on in class.
- Emphasized the integration of Lab View into curriculum
- Degree centered/certification built/stems
- Need to build a pipelines from high school STEM programs

Follow Up

5 Minutes

Follow Up

- Survey for industry interests training
- Virtualization training
- Focus on **INTERNSHIPS**

Action Items

Next Meeting Date TBD

Meeting Adjourned

ATTENDEES

Company

Jim Ruggiero	Mercury Medical	
Carlos Villafane	Bay Care	
Catherine Chandler	Avalon BioMed	
Brian Bell	SPC	
Kaitlin Gibbons	SPC	
Kay Morgan	SPC	
Jerry Custin	UTB Chamber	
Andrea Falvey	Pinellas Co Eco Devel	
Vince Capulto	Synergy Health	
Dave Outlaw	OS&C	



Bioscience Credential Advisory Committees Minutes



Dan Cavaliere	Bovie Medical	
Bill Mazurek	ConMed	