

Engineering Technology Advisory Board Meeting Minutes
November 13, 2018 4:30pm-5:50pm
Clearwater Campus, CR182
Chairperson: Mike Brewster, Monin, Inc.

In attendance: Matthew Smith, Susan Biszewski-Eber, Mike Brewster, Lara Sharp, Gabriel Yeager, Joseph Benavides, Karen Sommerville, Steve Heppler, Jerry Custin, Lori Craig, Diane Spaulding, Ken Conforti, Heather Disler, Mike Smith

Not in attendance: Peter Buczynsky, Michelle Hintz-Prange, Fred Tucker, Tim Nemes, Natavia Middleton, Susan Garrett, Scott Talcott, Brian Bell, David Reese, Dean Rock, Donald Houdek, Eric LeTourneur, Greg Lewis, Greg Seay, Marcos Cabrera, Steve Askew, Dennis Daniels, Rodney Rohrs, Nancy Crews, Melissa Lostraglio, Pam Temko, Diane Hufford, Andy Malcolm, Jim Gilmour, Bob Castro, Brenda Skinner, Kozitte Kaun, Stefanie Bischoff, Francois DeForges, Grace Smoker, Joe Moretti, Marta Przyborowski, Lannette Reeves, Louis Grilli, Lisa Maciolek, Edwin Homan, Mike Smith, Ron Varghese, Joann Wright

4:30pm--Introductions

Apprenticeship Update—Susan Biszewski-Eber

Talked about the upcoming Apprenticeship event for apprenticeship week, Next Generation in Manufacturing scheduled for November 16, 2018 at ValPak.

Mike Brewster talked about his keynote for the event and how he will address the culture of manufacturing and developing talented people.

Mechatronics Grant—Lori Craig

Lori Craig talked about the Department of Economic Development grant. To date 49 people have gone through the program taking programmable logic controller classes. The content is open entry, open exit, which means students can start training sessions at any time and finish the material at their own pace. The content for the training sessions will be online and the lab work will be done in the engineering technology lab on SPC's Clearwater Campus. The lab will be staffed so that students can sign up to use the equipment and finish the lab work. Students can take an industry certification when they complete.

There will be an information session on December 1, 2018 at SPC's Downtown Campus, room 460 from 9am – 1:30pm. There will be a grand re-opening of the lab on January 8, 2019 at 3 – 7pm. Contact Lori Craig, craig.lori@spccollege.edu, for information on how to sign up for the program.

Re-designed Industrial Management A.S. Degree—Lara Sharp

Lara explained the A.S. degree formerly known as the Industrial Management will be re-designed and moved from the Business Community to the Engineering, Manufacturing, and Building Arts Community. This was based on requests from industry partners for workers with a combination of business and technical skills to serve as supervisors. Also, this degree is grouped with the State's Manufacturing Frameworks Cluster.

The new pathway (see attached excel worksheet) for the degree is based on input from the advisory board meeting in June 2018, industry employers, Dean of Natural Sciences and Engineering, and research done by Lara Sharp. The degree will include 24 credits of technical coursework, 18 credits general education courses, and 18 credits of business courses. Business and technical coursework was chosen based on feedback from the advisory board.

The degree will have 4 technical subplans:

1. Articulations from Pinellas Technical College and Apprenticeships
2. Total Quality Management – Lean Green Belt Certificate is embedded
3. Control Systems
4. Industrial Internet of Things (IIoT)—This subplan was developed in response to new smart technologies that connect manufacturing automation and sensors to the Cloud. It includes classes in manufacturing and computer science.

The degree does not currently have an internship attached to it. Lara asked which class would be deleted to include an internship and there was no consensus. This may be revisited at later meetings.

The state frameworks come up for review every three years and industrial management (name according to the state) will be due in about 1.5 years. Lara will probably participate in the review and then bring the proposed changes to the advisory board for approval. Lara will develop the major learning objectives for two of the new classes needed for the re-designed degree: Statistical Process Control and Introduction to Internet of Things (IoT). She will get assistance from an academic chair in the computer science department to write the objectives for the Introduction to IoT class. The new objectives will be sent to the advisory board for review.

Meeting Attendees voted that the new degree name should be Production Systems Management.

The degree will be submitted to the VP of Curriculum for approval by December 14, 2018 and is targeted to start enrolling students in Fall 2019.

Business for next meeting

- Engineering Technology Framework 3 year review
- Electronics degree needs to be refreshed
- Choose a new industry chair

Next meeting will be at the Workforce Connection Meeting, Thursday, February 28, 2019 from 7:00am-9:00am. Location TBD. Check email for a calendar invite.

Meeting adjourned at 5:50pm