

Spring 2018 BPCC Industrial Technology Advisory Committee Minutes

March 9, 2018

Attendees:

Joshua Adams, BPCC Student
Mohammed Ali, UT
Jack Andres, Swepeco
Gary Bruns, BPCC Student
Josh Crawford, Benteler
Gayle Flowers, BPCC
Mark Harner, BPCC
Dan Hershberger, FastStart
Lamont Lackman, BPCC
Jennifer Lawrence, BPCC
Megan Martin, BPCC

Mark Miller, UT
David Moore, BPCC Student
Sandra, Partain, BPCC
David Pratt, Jett Business Systems
Jeanne Smith, BPCC
Chad Snitke, Omni
Paul Spivey, BPCC
Tim Stanley, Swepeco
Lesa Taylor Dupree, BPCC
Angie White, NLEP
Kenny Williams, Graybar

Welcome and Introductions

Lamont Lackman called the meeting to order and welcomed everyone and started round table introductions.

Adoption of last meeting minutes

VOTE: Angie White made a motion to approve the minutes from the last meeting, Oct 2016.

Seconded by David Pratt

Vote in favor of motion is unanimous

Review of Industrial Technology Program

Program Enrollment Outlook

Lamont went over the enrollment and graduation numbers for the past 3 years showing stagnation in enrollment and graduation numbers. Both of the TEED instructors now want to focus on recruitment and a name change. TEED instructors, Mark Harner and Lamont Lackman would like to take steps to recruit students and change the program name to "Engineering Technology". The current Engineering Program at BPCC does quite well but the fact is that many students will not graduate because they lack the preparation to go through that program. The math demands in the "Engineering Technology" would not be as strenuous and those students would have a better chance of graduating in the new Engineering Technology program.

Angie White suggested to work with BIPSTIL, Caddo Career Center, also reaching out to the rural communities where there are potential students who are already performing

the same skills as a way of life. She offered a list of contacts and offered to make the introductions.

Lamont stated that most of the students currently in Industrial Tech are non-traditional students and most classes are in the evening because most students are working during the day.

Sandra Partain suggested that we partner with the military base to attract students and explain what kinds of jobs they will be able to get after they finish the program.

SACS Accreditation

Megan Martin reported that there is currently no news about our accreditation, we were not asked for any follow-up reports for this program from the visit in October. The full report will come out in December.

Industry Based Certification Update (CPT, SolidWorks, Siemens)

Lamont updated the list of our current group of Industry based certifications available:

Certified Production Technician – administered by Manufacturing Skills Standards Council (national) TCA, CTS, and AAS

Certified SolidWorks Associate – SolidWorks (national) AAS and CTS – currently have approximately 30 vouchers for students to go online and test free of charge. Our first group of students will be doing this in the upcoming fall semester.

Siemens Mechatronics Systems Assistant – Siemens (international) AAS and CTS – has been in place for a while and last fall out of 11 students total 10 students passed.

ATMAE Lean/Six Sigma – Association of Technology, Management, and Applied Engineering – This class has been in place since last fall and had a successful pass rate.

Changes Since Last Advisory Board Meeting (CTS, Grants)

Mark Harner was hired as a full time instructor, he was previously an adjunct for the TEED program.

The change to the one semester TCA for the Certified Production Technician and established the one year CTS in Engineering Graphics.

Review and Endorsement of Program Objectives (vote)

Program Content Changes/Discussion

Program objectives and content for each of the following programs was reviewed.

AAS Industrial Technology – Automation and Controls – 2 years

Change to the 2nd year adding the Industrial Technology Elective – Student has the option to choose from other technical courses.

CTS Industrial Control Systems – 4 Semesters

This program has 4 semesters with a Fall/Spring alternation because most people are non-traditional students and can't go full time so they can still get this certification in 2 years or less. There were no changes to this program.

AAS Industrial Technology – Engineering Graphics – 2 years

Change to the 2nd year adding the Industrial Technology Elective – Student has the option to choose from other technical courses.

CTS Engineering Graphics – 1 year

New CTS program that was asked for in the past is now in the catalog. This program also offers a technical elective.

AAS Industrial Technology – Advanced Manufacturing and Mechatronics – 2 years

Program offer two Technical electives in the 3rd and 4th semester.

CTS Advance Manufacturing and Mechatronics – 1 year

TCA Certified Production Technician – 1 semester

Discussion

Lamont stated that most of the technical courses are taught at night and that students do have choices to take the math classes during the day and online. It was a consensus that night time classes are essential for the success of the program since students as well as the adjunct instructors have day time jobs.

Lesa Taylor Dupree reported that TCA is recognized by the LCTCS but not by the Board of Regents on the statewide matrix. The Board of Regents has just approved a new certificate, A "Career Technical Certificate" This certificate has fewer hours (6-18 hrs) than a "Certificate of Technical Studies." During this next year BPC will be looking at our TCA's and hopefully transitioning them to career and technical certificates. One of the criteria is that there is an industry based certification within that certificate. The Board of Regents is now recognizing the value of work ready programs. We can apply the components to the Board of Regents to gain a "Career Technical Certificate", giving us more opportunities for advertisement and exposure at the state level with this stackable credential. Students earning this certificate will be recognized as a completer. This will be a process and no definite date is available.

VOTE: Kenny Williams made a motion to accept the content, timing and objectives of the programs to be accepted as described in the presentation.

Seconded by Jack Andres

Vote in favor of motion is unanimous

Content and renaming of TEED 102 Semiconductors, the course will remain a 4 hour credit hour course.

VOTE: Josh Crawford made a motion to approve the changes to the renaming and updating the content of TEED 102.

Seconded by Kenny Williams

Vote in favor of motion is unanimous

Add a second PLC course (Allen Bradley) by taking TEED 201 out and merging its digital electronics content in with TEED 102 Semiconductors and TEED 208 Programmable Logic Controllers.

VOTE: Josh Crawford made a motion to approve the merging and adding an additional PLC course.

Seconded by Dan Hershberger

Vote in favor of motion is unanimous

Merge TEED 140 (Basic Graphics) into TEED 143 (First AutoCad) and add second Solidworks course (assemblies, sheet metal, weldments, analysis)

VOTE: Kenny Williams made a motion to merge TEED 140 and TEED 143 and create a second SolidWorks class.

Seconded by David Moore

Vote in favor of motion is unanimous

Remove TEED 172 Second Revit* (automated building design) and add mechanical design course (machine design) or CAM course (Computer Aided Manufacturing- CNC milling, CNC plasma cutting, automated welding)

*TEED 172 will not be removed until taught out for the students in the Engineering Graphics program who need it to graduate or an alternate path to graduation is provided.

VOTE: Lamont made a motion to remove TEED 172 and add a CAM class.

Seconded by Josh Crawford

Vote in favor of motion is unanimous

Remove standalone Autocad 3D course (TEED 160) and put 3D content in with TEED 144 – Intermediate Autocad.

VOTE: Dan Hershberger made a motion to remove standalone AutoCad course TEED 160.

Seconded by Lamont Lackman

Vote in favor of motion is unanimous

Add WELD 101 Survey of Welding as a technical elective for all concentrations

VOTE: Angie White made a motion to accept WELD as a technical elective

Seconded by Josh Crawford

Vote in favor of motion is unanimous

Discuss the need for both Solidworks and Inventor (very similar programs)

VOTE: David Moore made a motion to eliminate Inventor and allow a search for a suitable replacement that fits the program.

Seconded by Josh Crawford

Vote in favor of motion is unanimous

Closing Comments

Megan thanked the board for their attendance and the feedback from everyone.

Meeting was adjourned at 1:03 PM by Tim Stanley

Minutes submitted by: Jeanne Smith

Minutes approved by: Lamont Lackman