



**MEETING AGENDA FOR:**

Technology Systems & General Technology

Date: 8/24/2022

Meeting Lead: Steve Williams

**Items & Discussion**

**1<sup>st</sup> Item Updates and Announcements**

Curriculog

R401: Advanced Manufacturing Institutional Cert, Quality and Reliability Institutional Cert

Course changes: 2 Additive courses (can't use the Eastern courses) We need to decide if they need to be a lower division or upper division. ENGR would like to approve some courses as technical electives and is willing to work with us. Steve said we will probably go with the 3000 level.

Michael-Been working with Price, trying to get the alignments done. Different prefixes, won't be "officially" cross-listed. Hope to have a single feed in Canvas. We will have the USU TechEd and Statewide. BUSN/BCIS-Statewide BTECH-USU Tech ED, ITCS-USU Tech ED

Program Awards – Outstanding student each emphasis – Award Dinner (Maybe in Brigham) invite industry partners (possible scholarship donations). Have location of dinner based on students who are awarded. Zoom, gift card, deliver food and participate virtually. Online celebration???

Seminar class – How best to approach, one per emphasis, group some emphasis areas together?

Connect them with industry, clarity on job outlooks, and more industry exploration. Industry relations kind of course-guest lectures. Hard for Technical Management. Advisory Committee, look at where students are getting placed. Bring in recent alumni that are one or two years out. Creates great Q&A dialogue. Helps fill speaker rolls.

One area we need to push this year-Need to push advisory committees. 3-5 industry partners. Chase has a lot of contacts for OPDD. Target some of the same companies. The Quality and Reliability committee meets regularly.

**AAS Summary-**

CTE Concurrent – Working with Cache district to get enough concurrent courses so the Gen Tech AAS can be completed (For the few outstanding students who can navigate the system)

Design and Creative arts – clarify to improve the "stack" into OPPD – considering a BS emphasis in digital design?

Working on an AAS in Electronics will likely wait till alignment is a little clearer to facilitate articulation. Follow course by course articulation model. Hill Airforce Base, Northrup Grumman. There is a huge need for electricians, but no other tech colleges are providing a pathway. BTECH has industry partners. The hang-up is needing an AAS.

Working on an AAS in Engineering Drafting and Design Technology – more about packaging existing courses and certificates in Eastern and Logan into a new AAS.

AAS-Small Business, IT, as we go through alignment, we will see more opportunities to stack those in statewide.

AAS Gen Tech Ag Production and Processing

**BS Emphasis summary:**

Quality – Cory 1. CEU (folks in the industry) will get departmental CEU 2. Credit Seeing CP, 3. Emphasis in TESH Meets with Advisory Committee yearly. Feedback has been useful been able to adjust the curriculum as needed. Recent graduates had one or more job offers. Enrollment is struggling. Trying to create more awareness of the program. Transitioning from IVC to online. The only program in the country. Working with Utah MEP to get the word out to grow enrollment.

ICT-Cybersecurity – Chad and Michael nine courses for both emphases. One course does double duty for either emphasis. Enrollments CT have been 15-20 per course per semester. Went down during Covid, but they are coming back up. Safety OSHA course 60-100 students. Started out with IVC, and moved to hybrid, but now 100% online. Get international students. Challenges: all students can come with a solid understanding of the technologies and background to learn what is being taught. Some students come in with remedial knowledge. Spent a good portion of the course teaching what students should have known from an AAS or a certificate. That is being addressed now. It was a small segment of students that were struggling. Identify industry partners and get an advisory committee in place. Been leaning on BTECH's committee but would be great to have our own.

Robotics – Trevor USU has not taught the five robotics courses; students take them from BTECH. Worked with OWTECH articulation and DTC articulation. Working with MTECH to have robotics. Advisory Committee-work it with Tech Colleges they have done the work, so he works with the tech colleges to serve on their committees for their certificates. Zak and Larry would like to move in this direction.

Product Development – Scott realign product development with student outcomes. Figure out what is good for OPDD and TESH and make appropriate pathways. Floating around the idea of a full-year senior project. Make sure we don't add time to the degree. Students are leaving and going to Integrated studies because it is taking it longer.

Barbara-Product Development Degree is better for TESH, but OPDD doesn't populate as well. Seven students for sure have gone to Integrated Studies.

Andrew- branch off and create different bachelor's degrees instead of emphasis areas“....Engineering Technology Bachelor of Science Degree”. We need to take advantage of this time and build Engineering Technology degrees.

Technical Management – Kari lower division classes, keep the same names. General Technology emphasis, more options for students that want choice. 16 credit e-commerce certificate. Every course will be tied to an industry certificate. Work with advisors and look at what do we have as our suggested emphasis and see if we can capitalize on industry certificates. One big change that will make a difference BUSN Communications will become a 4-credit hour class. Make sure we capitalize on upper division in Applied Economics (prerequisites make this difficult). Project Management class tied to industry certificate. Tech Mgmt students can come out with a minor in the Huntsman School of Business. PMI certification would be awesome-Chad. That certification runs in the \$400-500 range. Some high schools are required to have at least 3 industry certifications.

Work experience aligns with work experience. Can we look at that differently? TESH 4940 (get up to 12 credits) and count in their emphasis. Trevor owns the class. The instructor over the emphasis can decide. Should we allow TESH

4940 (work experience) to be substituted in each emphasis area? A subcommittee will be formed to further discuss this to find out what the best solution will be.

**2<sup>nd</sup> Item: Upcoming Priorities**

Create Advisory Committees for each emphasis area

Create Subcommittee Meeting to discuss work experience

**3<sup>rd</sup> Item: Open Discussion**

Kari-Testing out process??? Brain-The instructor of the course is responsible for that. There is a pathway with the Registrar's Office. Students will have to pay a recording fee, not tuition. The grade shows different. They cannot count hours towards the number of total hours needed for a degree. The student will need to pick up another class, so they meet the required credits needed for the degree. Brian is going to get more clarification from the Registrar's Office.

Trevor's TESI 1030 Brigham class is not full, let students know