

Clean Energy Technology & Entrepreneurship
Advisory Committee Meeting
Shoreline Community College
Zoom Session,
11:30am -1:00pm, 5/13/2022
MINUTES

Attendance:

Rachelle Ames (Clean Tech Alliance)
Tamás Bencsik (Coffman Engineers, Inc.)
Ryan Bradt (Puget Sound Electrical)
Renee Gastineau (Paladino and Company and CET Advisory Committee Chair)
Krishnan Gowri (Intertek-Building Science Solutions)
Chris Spurlock (ATS Automation)
Brian Young (WA. State Dept. of Commerce)
Alisha Turpin (Artisan Electric and Shoreline Instructor)
Lindsey Virdeh (Shoreline Instructor and Faculty Lead)
Sharon Vik (Shoreline Instructor)
Guy Hamilton (Shoreline Staff)
Lauren Hadley (Shoreline Staff)
Kelly Griffin (Shoreline Staff - Notetaker)

Renee opened the meeting and suggested to move approval of Minutes until later in the meeting to include additional attendees.

Program Updates:

- Lindsey thanked Sharon for her service to the college as an instructor which concludes at the end of spring quarter. (She also mentioned to the committee the ongoing need for CET instructors.)
- Course change: In February, the Curriculum Committee approved the removal of Business 219 from instruction - it is being replaced with Business 160. For the change to be reflected in the CET Planning Guide, a vote is required by the CET Committee. There was brief discussion to confirm other courses had material needed, then a vote was taken - approval confirmed.
- Lindsey gave a report on developments related to the five-class Amazon Certificate. The original plan was to start summer quarter of 2022. The school prepared the website and activated the URL. However, a few things need to be refined and a meeting needs to occur with the Finance and Enrollment Departments. Preparation continues for a fall quarter start. Guy asked if the certificate needs to be exclusively for Amazon and Lindsey said it was a good question. At this time the website link is not searchable unless the person viewing the website has the URL associated with the Amazon Certificate. Ongoing discussion is anticipated regarding the market for a certificate outside of Amazon. The confines of the Amazon certificate as a pilot program were mentioned as a reasonable start before opening to a wider group. If the committee has additional thoughts, please email Lindsey.

- Lindsey shared out her screen on the results of her Program Outcome Assessment Reflection Report for the NRG 180 course (Building Systems and Blueprint Reading). She picked an assignment (HVAC air systems) and talked about her rubric and findings. Guy mentioned more work will be done on program outcomes next year with additional Subject Matter Experts. Lindsey welcomes any additional feedback about her presentation.

Clean Energy Technology Program Review

Lindsey introduced Matthew Mitchell from Futures Research, an independent contractor to help with the CET program review process (last review was in 2017). Guy mentioned this is done with all the programs on campus to make sure the college is serving the needs of students with a program that is aligned with the needs of industry and employers.

Matthew shared out his screen (Lindsey will email slide deck) to facilitate discussion of where the program has come from, and where it is going. He showed some data acquired through social media research dating back to 2011: 52% of CET alumni are in the field; 91% live in the region. He expressed interest in getting feedback on accuracy of the occupation and job titles associated with the program and the need for improved enrollment.

The second portion of the presentation focused on questions from Matthew.

1. How can the CET program recruit more students from high schools?

Answers: target schools that have engineering design classes; career fairs; align with other agencies doing mentoring projects with engineers and architects (and possibly do a presentation at one of their sessions); and engaging with others at the college who are involved in recruitment.

2. How can the CET program recruit more adult learners (mid-career adults in their late 30's, perhaps coming from heavy-lift jobs like construction)?

Answers: Energy folks who are interested in climate change jobs; green jobs; or those from liberal arts jobs that might see CET as an opportunity to transition into those types of jobs; go to solar meetings/events; individuals that are already engineers/electricians; and people who are passionate about CET (groups/organizations/conferences/conventions).

3. How could the Advisory Committee play a role in recruitment?

Answers: Provide more information to existing recruiters - letting them know why they were drawn to this industry (for students to be drawn to this industry for similar reasons); take program information to industry events; and a 2-3-minute video of someone from industry if it has resonance/receptivity of students.

4. Would a pathway to a 4-year degree for CET students improve recruitment?

Tabled discussion due to time constraints.

5. What will the CET workforce look like in five years (2027)?

Answers: A lot of energy auditors with Clean Buildings Act and decarbonization; benchmarking new energy code requirements that will require energy modelers or energy code compliance specialists; shift from fossil fuels to electricity will have a role in transportation/electric vehicles; solar growth; lighting/heating of buildings from federal to state level.

There were additional questions and discussion around keeping the two-year certificate competitive; providing work-based learning; types of barriers to workplace learning; and what could help workplace learning (internships, apprenticeships, job shadows) happen.

Matthew's closing question was about what brings the committee members to this table and keeps them coming, and who are the others that should be added. Comments included the ability to help the next generation and seeing tremendous opportunity for underrepresented minorities (such as women, and non-traditional background students), to join industry with the help of the community college. If the committee has additional input, please email Matthew at mmitchell@futuresresearch.io within the next 14 days.

Renee facilitated a vote (approved) of the December 2021 and March 2022 minutes; Lauren said she plans to send a Doodle Poll to get input for the fall meeting time.

The meeting was adjourned at 1:05pm.