## ETCM- MINUTES
## Thursday, February 1st, 2024, at 4:00 PM
## Stem Building Room 350

**Members Present:** Robert Bacon, Nick Hendershot, Marie Roza, Danielle Samson

**Members Absent**: Nick Massie, Robert Jepsen

**Clark College:** Tina Barsotti, Elizabeth Flores, Rhianna Johnson, Theo Koupelis

The meeting began at 4:01 PM.

### NEXT MEETING DATE
Thursday, May 16th, 2024, at 4:00 PM SBG 350
Thursday, Feb 15th, 2024, at 4:00 PM via ZOOM

### MINUTES OF THE PREVIOUS MEETING
This was the first ETCM meeting.

### DEPARTMENT UPDATES
Tina shared the following programs:
Civil Engineering Technology – Certificate of Proficiency. Total credits: 47.
Civil Engineering Technician – Associate of Applied Technology. Total credits: 102.

Marie recommended utilizing trigonometry.

Theo recommends reviewing the math courses for a sequence that fits the program.

Theo and Marie inquired if students could take surveying and trigonometry simultaneously for AAT. Or taking College algebra in term one and trigonometry in term two.

Robert requested an introduction to Microsoft Projects, an Excel coding course, and more software development courses.

Marie recommended identifying the primary software's used with construction and implementing the concepts in the courses.

Marie recommended changing civil engineering technology CP outcome 1 from principles to technologies.

Tina welcomed the committee's feedback with the following courses: Revit, AutoCAD, intro to GIS, and Intro to Civil 3D.

Robert noted the importance of technicians understanding and reading reports rather than GIS. Additionally, the use of GIS depends on small-scale firms or larger firms. Technical writing is one of the most significant pieces of that.
Robert recommended SURV 255 Emerging Technology on the certificate of SURV 250 ARC GIS.

Tina said the same would be done in the Civil Engineering Technician AAT program. The shift in ARC GIS will be to emerging technologies.

Nick mentioned the implementation of drone and GPS education.
Marie has stated that drone technology has grown quite a bit.

Tina reviewed the proposed program outcomes and altered some descriptions.

Tina asked if the program needed a one-year certificate.

Robert noted that it depends on technical writing and the use of the software.

Tina mentioned there could be substitutes for courses like English to accommodate working students since evening classes could be limited.

Tina went over and made changes to the proposed program outcomes.
Tina noted to remove employing the GIS tool under the CP section.

Theo recommends the SENCER approach in all the courses.

Tina has stated that there has been pushback from students on the SENCER approach, but we will continue to include it in the courses.

Tina discussed Construction Management. Total credits: 92 AAT.
Tina will check if OSU accepts the transferable degree.

Robert recommended that construction management become a four-year degree since it is sought after within firms. Tina noted that the program would consider this after implementing the degrees.

Tina noted that the program may not need to offer both AAS and AAT. The AAS requires more health, PE, humanities, and social sciences, while the AAT has more technical courses.

Nick noted that most businesses look for a four-year degree.


**FOLLOW UP ITEMS:**
1) The committee will meet again on Thursday, February 15th, 2024, to discuss program description changes.
2) The committee will need to establish a chair and vice chair.

The meeting was adjourned at 5:05 PM

Prepared by Elizabeth Flores