

Engineering Technology

November 20, 2025

3:30pm -4:30pm

Participants: Chao Li, Tejal Mulay, Mohamad Khalafalla. Ahmed, Behnam Shadravan, Leon Prosper, Doreen Kobelo Regalado

Meeting summary

Plan for Program Termination and Consolidation

The group discussed initiating a formal consolidation of the Construction Engineering Technology (CET) and Electronic Engineering Technology (EET) programs to improve alignment with workforce demands and strategic university goals. The emphasis was on preserving the strengths of both programs while streamlining degree offerings.

- Both programs currently produce well-prepared graduates with strong placement outcomes in their respective industries.
- Careful execution of the consolidation process is needed to ensure students retain meaningful skillsets that maintain high job placement rates.
- The proposed transition minimizes disruption to current students and maintains marketability.

Consolidation of the EET Program into CET

Discussion centered on restructuring into one degree with two distinct majors/tracks:

- Construction Engineering Technology Track
- Robotics & Autonomous Systems Track

These two programs will be under the *B.S. in Construction & Robotics Engineering Technology (CRET)* degree.

- Core courses will be shared, including robotics, engineering economy, CAD, and technical writing.
- Each major retains specialized courses to preserve industry-focused competencies (construction management vs. electronics/robotics).
- No additional faculty or cost increases are required for consolidation.

Future Accreditation

- Maintaining ABET accreditation continuity was identified as a major priority. Dr. Li will research on the potential to grandfather the current Construction and Electronic Accreditation since the ABET outcomes would remain the same with modification on the actual degree/program outcome which will complement the shared courses. The consolidated degree will carry a unified CIP code 15.1001.

- Faculty assessment and outcomes structures must remain intact throughout the transition.
- The program aims to remain positioned as a high-performing academic pathway aligned with strategic statewide metrics and national STEM goals.

Recruitment plan

Although the Electronic/Robotic track is very diverse in its application to the industry, the track complements the construction industry when looking at the equipment and technology used to solve construction programs. However, to make sure that the students receiving the degree are able to identify their tracks, the recruitment plan will include making sure that the majors are clearly defined when they are applying. This emphasizes that there will be two Majors under one degree, i.e. Construction Major and Robotics Major (which define the tracks) with 120 credit hours.

To do list

- Prepare a consolidation plan report aligning the BOG metric and university strategic plan which includes the curriculum for the new degree with the two tracks.
- Plan a meeting with Dr. Kinney to discuss the report and the next steps.