

# Academic Program Review Recommendations: 2021-22 Annual Progress Report

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The purpose of the Annual Progress Report is to facilitate the tracking of progress made on program recommendations/goals and to identify and explain the addition of any new program goals not listed in the most recent Review.

## **1. Name of Program: Electro-Mechanical Technology**

[2017-18 Renewable Energy Technology / Electro-Mechanical Technology Program Review](#)

[2018-19 update](#)

[2020-21 update](#)

## **2. List goals from most recent [Program Review](#) and report on progress for each goal: 2017-18 goals**

1. Apply for and receive a second National Science Foundation grant to continue to develop flipped classes in the second year of the program and to purchase state of the art equipment aligned with local industry.

Achieved second NSF ATE grant. New lab equipment is being purchased via insurance settlement from flood event which destroyed both labs and storage room. Experiencing significant supply chain issues and managerial delays.

2. In collaboration with SOAR, target market the program to incumbent works including USACE, and partner businesses such as Cardinal Glass.

CGCC marketing and recruitment and outreach was effectively nonexistent. New effort is being made to staff these positions. Student and faculty were featured on Spring and Summer/Fall catalog.

3. Continue with course development, consolidation and exploring offering specialized options.

Majority of time and effort was devoted to recovering from flood. 3 year NSF ATE grant might offer opportunity to consolidate digital logic and PLC classes. Course content for semiconductor devices and circuits and industrial computing was updated.

4. With double labs for all first year courses and some second year, consider a third full-time faculty for the program to meet instructional needs.

Hired new instructor. Older instructor retired. This will allow significant opportunities to update course content.

5. Provide relevant faculty development opportunities.

Majority of time and effort was devoted to recovering from flood. One instructor will attend NSF ATE sponsored training in August.

**3. List any additional goals added since the most recent Program Review, and include the rationale for each new goal:**

Recover from flood by purchasing and inventorying new lab equipment.