Annual Assessment Report 2023-2024

MS Aerospace Engineering

Department of Aerospace Engineering

College of Engineering

CONTACT
Name of Program Assessment Lead Navid Nakhjiri
Name of Person Completing Report Navid Nakhjiri

DISCIPLINARY ACCREDITATION No

DEVELOPMENT AND DOCUMENTATION OF STUDENT LEARNING OUTCOMES
How were the program's SLOs developed? (select all that apply)
   o   We developed them as a program/department using our own knowledge and expertise of the field.

Other than the CPP Catalog and the Office of Assessment and Program Review website, where else are your SLOs published? Select all that apply.
- Department Website - provide URL: https://www.cpp.edu/engineering/aro/graduate/index.shtml
- Brochures or other printed material

ASSESSMENT ACTIVITIES IN 2023-2024

This section provides the opportunity for programs to share and discuss assessment activities conducted in **AY 2023-2024.** This includes data collection, rubric development, data analysis, discussion of findings, development or implementation of closing the loop improvement strategies, update of your assessment plan and/or curriculum matrix, etc.

How many total SLOs does your program assess according to your assessment plan?
- 4

How many SLOs did your program assess this past year in 2023-2024?

- My program engaged in other assessment activity not specific to any SLO (e.g., modified curriculum matrix or assessment plan, received all data for program review, etc.)

Please share the assessment activities the program engaged in that were not specific to any SLOs.

We are in the process of introducing changes to the structure of our MSAE program. We worked on a blended MS+BS program proposal, which is being submitted in Fall 2024, and as part of that, we realized the need for changing some elements of the curriculum, on course level and program level, to better prepare ourselves for the larger number of students on campus.

IMPROVING THROUGH ASSESSMENT

Ideas to improve student learning can come from different constituents. With whom did the program discuss assessment planning and/or share results during AY 2023-2024? Select all that apply.

- A committee of program/department faculty
- Advisory board(s): ARO IAC

The past academic year posed both challenges and opportunities. Please share any assessment discoveries (e.g., insights about assessment procedures, great achievements, etc.) regarding program assessment in 2023-2024 so that others may learn from your experiences.

The opportunity and challenge we encountered that hindered our assessment activities last year stemmed from the increase in program size from approximately 20 students to about 45 students. This growth had significant implications for our planning of courses, projects, and other activities.

Please share how the program triangulates various data sources to determine student success. Consider assessment findings, CPP's GI2025 markers, CSU Dashboard, CPP's Student Success Dashboard on Tableau, CPP's Graduating Senior Survey on Tableau, course evaluations, etc.

We focused on understanding the growth of our program over the past few years. The size of our program has now tripled since we transitioned to a hybrid modality. Recently, as part of the Graduate Study Task Force in the College of Education, we examined the data related to graduation and retention. However, we found that a significant amount of data is missing.

Does the program offer a certificate or credential (e.g., teaching credential)?

- No

The most current assessment plan and curriculum matrix we have on file for your program may be found here. To ensure we have the most updated assessment plan and curriculum matrix for your program, and for posting on our website, please upload the following documents:

Assessment Plan - Yes

Curriculum Matrix - Yes