



Annual Assessment Report 2020-2021

MS Aerospace Engineering Aerospace College of Engineering

CONTACT

Name of Program Assessment Lead Navid Nakhjiri

Name of Person Completing Report Navid Nakhjiri

DISCIPLINARY ACCREDITATION Yes

DEVELOPMENT AND DOCUMENTATION OF STUDENT LEARNING OUTCOMES

How were the program's SLOs developed? (select all that apply)

- ☐ 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>

ASSESSMENT ACTIVITIES IN 2020-2021

This section provides the opportunity for programs to share and discuss assessment activities conducted in **AY 2020-2021**. 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 2020-2021?

- My program assessed SLOs in AY 2020-2021

Please list the SLOs examined

- SLO #1: b. Relate real-world problems to research questions.
- SLO #2: c. Design complex aerospace engineering systems.
- SLO #3: e. Demonstrate excellent oral and written communication skills.

Student Learning Outcome (SLO): SLO 1: b. Relate real-world problems to research questions.

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
<ul style="list-style-type: none"> Collected direct evidence (e.g., student work, exam items, etc.) 	<ul style="list-style-type: none"> Oral performance (e.g., presentation, defense, conference presentation etc.) Capstone product (e.g., project, senior thesis, etc) 	

Findings			
N of Artifacts	Criterion Used	Goal Met	Eye-opening Result

Student Learning Outcome (SLO): SLO 2: c. Design complex aerospace engineering systems.

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
<ul style="list-style-type: none">Collected direct evidence (e.g., student work, exam items, etc.)	<ul style="list-style-type: none">Oral performance (e.g., presentation, defense, conference presentation etc.)Capstone product (e.g., project, senior thesis, etc)	

Findings			
N of Artifacts	Criterion Used	Goal Met	Eye-opening Result

Student Learning Outcome (SLO): SLO 3: SLO #3: e. Demonstrate excellent oral and written communication skills.

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
<ul style="list-style-type: none"> Collected direct evidence (e.g., student work, exam items, etc.) 	<ul style="list-style-type: none"> Oral performance (e.g., presentation, defense, conference presentation etc.) Capstone product (e.g., project, senior thesis, etc) 	

Findings			
N of Artifacts	Criterion Used	Goal Met	Eye-opening Result
50 presentations, 124 alumni surveys	mean score for presentations, % agreeing on surveys	yes	survey results showed lower results for semester alumni than quarter alumni for knowledge and skill areas of the curriculum.

IMPROVING THROUGH ASSESSMENT

Overall, what best describes how the program used the results in 2020-2021? Select all that apply.

- Use is pending (typical reasons: insufficient number of students in population, evidence not evaluated or interpreted yet, faculty discussions are ongoing, etc.)

Ideas to improve student learning can come from different constituents. With whom did the program discuss assessment planning and/or share results during AY 2020-2021? Select all that apply.

- No discussion occurred in AY 2020-2021

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 2020-2021 so that others may learn from your experiences.

We had the largest class of our graduate students in AY 2020-21, but many dropped as soon as we opened the classes to in person.

CPP's GI2025 goals focus on eliminating equity gaps. What plans do you already implement, or would implement to support the campus' diversity, equity, and inclusion (DEI) efforts? (e.g., planned or current disaggregation of assessment data by race/ethnicity, etc.)

We are discussing a plan for changes in our MS program and will include this topic in our discussion.

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 No

Curriculum Matrix No