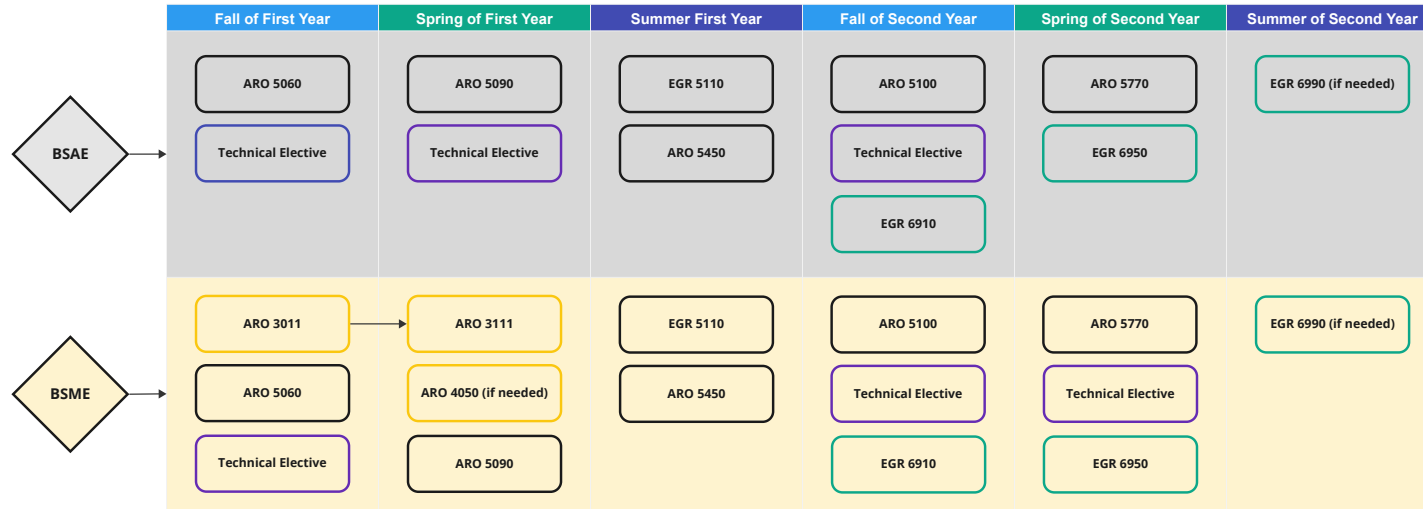


MSAE Roadmap



Program Overview

- The MSAE program is planned to be fully virtual, with all courses offered virtually and synchronously (live lecture with instructor and students) starting after 5 PM to accommodate working individuals.
- The program is designed to be completed in two years.

Course Requirements

- Review the course requirements for MSAE on the ARO website <https://www.cpp.edu/engineering/aro/graduate/curriculum.shtml>.
- Complete 30 units of coursework, including 6 core courses, 3 technical elective courses, and your MS project.
- Core courses will be offered annually, and students must enroll in all 6 terms to stay on track.
- The roadmap provided here is tentative and may change depending on the students' demands, the department's plan, and other reasons. The changes will be communicated to our students.
- It is recommended that you follow this roadmap as closely as possible. Note that the roadmap differs for students entering the program with an undergraduate degree in aerospace engineering (BSAE) or mechanical engineering (BSME). Follow the roadmap associated with your degree.

- You can choose technical elective courses from a range of options, including some undergraduate courses that require approval from the Department. You may also be able to take graduate-level courses offered by other departments with prior approval from the Department. Please note that only the core and elective courses offered as part of the MSAE program will be available in virtual modality. Undergraduate and graduate courses other than ARO are likely to be in-person classes at the CPP campus.

Prerequisites

- The graduate courses do not need to be taken in any order. They are designed to be independent of each other. This means you can start the program anytime and still graduate in two years.
- Some graduate courses require prior knowledge of the field, which may require taking undergraduate prerequisite courses if you do not have a BS degree in aerospace engineering.
- Please note that all undergraduate courses are offered in person at the CPP campus. However, we will try to accommodate requests to take these courses virtually.
- Contact the Graduate Coordinator to arrange for taking prerequisite courses.

GPA and Leave of Absence

- Maintain a GPA of 3.0 or higher as a graduate student.
- You may take up to two consecutive terms off from the program without prior approval.
- File a leave of absence request at the Office of Graduate Studies for a longer absence.

MS Project

- Start searching for an MS project after one year in the program.
- Follow these steps to start your MS project:
 - Identify a project advisor from the ARO faculty or an approved supervisor (with a PhD) at work.
 - Discuss and plan your project with your advisor.
 - Take EGR 6910 (1) under your advisor's name to start the project work.
 - Enroll in EGR 6950 (2) when finishing your project and graduating.
 - Apply for graduation during the term you are enrolled in EGR 6950.
 - Generate an MS report and prepare a technical presentation.
- This link has the guidelines for the steps needed to complete your MS project: <https://www.cpp.edu/gradstudies/steps-towards-completing-your-thesis-or-project.shtml>.

Additional Resources

- Check the Office of Graduate Study website (<https://www.cpp.edu/gradstudies/index.shtml>) for resources, including scholarships, training, handbooks, and more.
- Contact your Graduate Coordinator (Dr. Navid Nakhjiri nnakhjiri@cpp.edu) with any questions or for assistance.