

Robotics Capstone

Course Information

- **Instructor:** Maegan Tucker (mtucker@gatech.edu)
- **Course Prefix and Number:** ME 8741
- **Term:** Fall 2026

Course Description

Teams or individuals apply the knowledge and skills acquired throughout the MS program to a faculty supervised robotics project.

Course Learning Outcomes

By enrolling in this course, students will:

1. Apply knowledge and skills acquired throughout the MS program to a substantive robotics project.
2. Work effectively as a team or individually under faculty supervision to plan, execute, and evaluate a project.
3. Communicate project goals, progress, and results through interactions with the supervising faculty member.

Required Course Materials

No textbooks or materials are required. Resources for the project are determined in consultation with the instructor.

Grading Policy

This course is graded on a **Satisfactory (S) / Unsatisfactory (U)** basis.

- A grade of **Satisfactory (S)** indicates that the student or team has made acceptable progress on their robotics project, consistent with the number of credit hours for which the student is enrolled for the semester.
- A grade of **Unsatisfactory (U)** indicates that the student did not meet the expectations for satisfactory performance during the term.

The grade will be assigned based on agreed upon objectives commensurate with the difficulty and scope of the project and the number of credit hours. It is the joint responsibility of the instructor and the student to discuss expectations and how meeting or not meeting them affects the final grade.

Attendance Policy

This course does not include scheduled class meetings. The frequency and format of student–faculty contact are determined by mutual agreement and are consistent with the number of credit hours for which the student is enrolled.

Academic and Research Honesty/Integrity Statement

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review the [Student Code of Conduct](#) and the [Academic Honor Code](#), especially [Appendix A: Graduate Addendum to the Academic Honor Code](#).

Students are expected to perform research in an ethical and responsible manner. All Doctoral and Master’s Thesis students are required to take the [Responsible Conduct of Research training](#), and it is expected that students abide by the principles taught in that training while performing research.

Allegations of scientific or scholarly misconduct are handled in accordance with the procedures outlined by the [Policy for Responding to Allegations of Scientific or Other Scholarly Misconduct](#).

Core IMPACTS

Not applicable.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, [contact the Office of Disability Services](#) as soon as possible to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

Expectations of Advisors and Advisees

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgment, and responsibility between faculty members and the student body. [The Expectations of Advisors and Advisees](#) articulates some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.