

ECE Culminating Design 2

Last Updated: Tue, 03/17/2026

Course prefix: ECE

Course number: 4014

Section: CI

CRN

91136

Instructor first name: Albert

Instructor last name: Frazier

Semester: Fall

Academic year: 2026

Course description: Second course in a culminating design sequence. Student teams design, build, test, document, demonstrate prototype system reflective of knowledge gained as an undergraduate engineering student.

Academic honesty/integrity statement:

Academic Integrity. I expect students to maintain the highest ethical standards in this course. Each student is responsible for knowing the rules on academic misconduct:

<http://b.gatech.edu/2CjF1Ro>.

Here's summary for written assignments. Don't copy stuff without 1) citing the source where you found the ideas, and 2) putting phrases in quotation marks when you use the exact words from your source. For a short guide to avoiding plagiarism, see

<https://bit.ly/3Tg9XJE>; for more detail, see <http://unc.live/2CiHag9>.

Any student suspected of cheating on a quiz, exam, or assignment will be reported to the Office of Student Integrity, which will identify the appropriate penalty for violations.

Core IMPACTS statement(s) (if applicable):

The University System of Georgia and the Georgia Institute of Technology require that I include the following bland language in this syllabus. I neither endorse nor reject these statements.

This is a Core IMPACTS course that is part of the Social Sciences area.

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in foundational academic areas. This course will help master course content,

and support students' broad academic and career goals.

This course should direct students toward a broad Orienting Question: • How do I understand human experiences and connections?

Completion of this course should enable students to meet the following Learning Outcome:

- Students will effectively analyze the complexity of human behavior, and how historical, economic, political, social, or geographic relationships develop, persist, or change.

Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

- Intercultural Competence
- Perspective-Taking
- Persuasion

Ethics Attribute Learning Outcomes

HTS 2084 fulfills the Georgia Tech ethics requirement. In this course, students will acquire:

- An ability to recognize ethical and professional responsibilities in real-world contexts.
- An ability to assess actions or decisions based on established ethical principles and theories, or through deliberative processes.
- An ability to consider the implications of actions, both for society as a whole and for individuals.