

ENGINEERING CAPSTONE



Students as individuals or as members of an engineering team, apply science, technology and mathematical concepts and skills to solve engineering design problems or to significantly innovate existing products. Students research, develop, test, and analyze designs using criteria as cost, effectiveness, safety, human factors, and ethics. Students have regular interactions with, and presentations to members of industry. Students learn Project Management as they schedule and complete their tasks. Mid-course presentations keep students on track. Capstone students meet and learn from industry contacts.

Topics Covered

- Solve engineering design problems or to significantly innovate existing products.
- Students research, develop, test, and analyze designs using criteria as cost, effectiveness, safety, human factors, and ethics.
- Students have regular interactions with, and presentations to members of industry.
- Students learn Project Management as they schedule and complete their tasks.



To Register, submit a GTI Application (signed by parent).

Visit the GTI website or contact your school counselor for an application.

This course offers college credit through SUU

Granite School District does not discriminate on the basis of race, color, sex, pregnancy, religion, national origin, marital status, disability, sexual orientation, gender identity, age, or any other legally protected classification in educational programs, activities, or access to facilities.



Location

Granite Technical Institute
2500 S. State St.

Transportation

School bus available to & from GTI

Grade Level

12th grades

Pre-Requisites

CAD Mechanical Design 2 and
Engineering Principles 2

Class Times

2-period Block

Credits

1.0 CTE, Elective, College Credit
available SUU (CCET 2620)

Length

Semester

Fees

Lab fees required.

Fee waivers available for qualifying
students at their home high school.