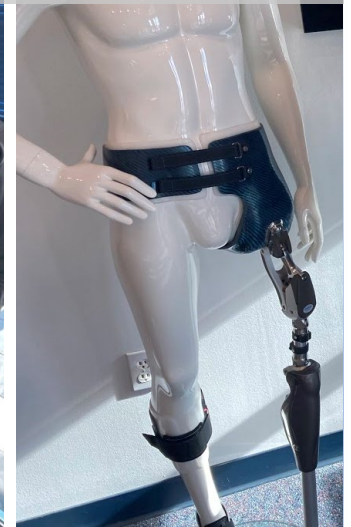
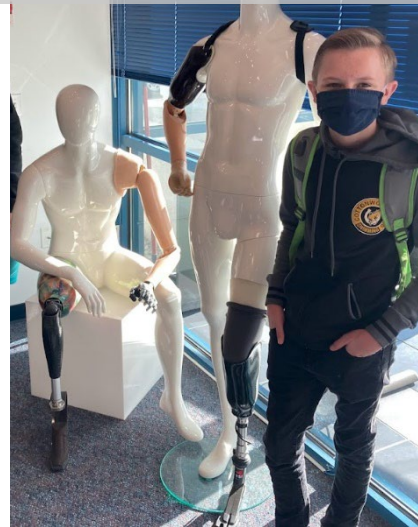


MED. DEVICE ENGINEERING



Medical Devices save and improve the lives of people you know. Students will learn the engineering and manufacturing skills required to work for Utah's medical device companies. Students learn 3D printing on the first day of class and the principles of additive manufacturing. They will understand why FDA regulations and quality systems are important to you and the medical device industry. Students will build and test advanced prosthetic heart valve and stroke/ brain block clot removal catheters.

Students will attend field trips to Utah's most elite Medical Device engineering, manufacturing, and compliance testing companies. Students will create engineering drawings, use laser scanners, precision measuring instruments, and 3D printing equipment. Students will learn and demonstrate current technical and engineering professional workplace skills. Career planning and continuous learning skills are acquired.

Topics Covered

- Medical Device Engineering (MDE)
- FDA MDE protective rules
- 3D printing skills
- Utah MDE c
- Heart valve catheter build and test
- MDE Manufacturing Engineering

Career Paths

- Plastic injections Molding
- Automation Engineering Technician
- Medical Device Manufacturing
- Bioengineering
- Quality Engineering



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

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

This class counts as a third science credit

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

10th- 12th grades

Pre-Requisites

None

Class Times

2-period Block

Credits

1.0 CTE, Elective, or Third Science credit

Length

Semester

Fees

Lab fees required.

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

