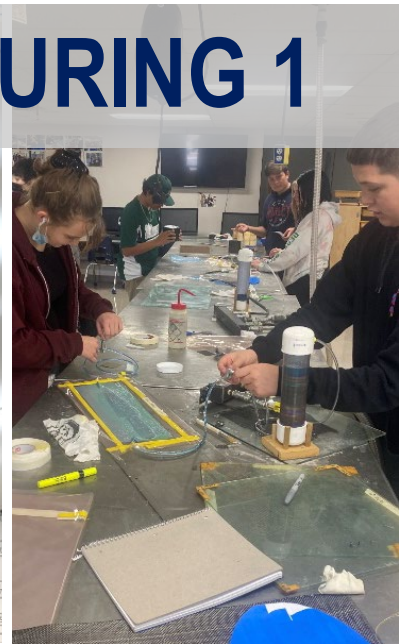


COMPOSITE 1 / MANUFACTURING 1



Composites/Manufacturing is a branch of Engineering Manufacturing that teaches students to design, create, and build various parts and equipment used in every day to improve the quality of life.

Strength, stealth, and speed – these are key words related to the composites industry. This course focuses on the properties and manufacturing of fiberglass reinforced plastics and advanced composites. Composites 1 is the first in a two-part sequence of courses focusing on advanced materials and processing used in planes, cars, bicycles and many other products. Students will create engineering drawings, use precision measuring instruments, manufacturing equipment, machines, and materials to improve an existing design or manufacture original products.

Topics Covered

- Precision Measuring
- Additive Manufacturing
- Vacuum Bagging
- Vacuum Infusion
- Mold Making
- Carbon Fiber Park Skinning
- Part Finishing

Career Paths

- Aerospace Engineering
- Engineering Technician
- Industrial Engineering Technician
- Materials Engineer
- Mechanical Engineer
- CTE Teacher
- Mechanical Drafter
- Tool and Die Maker



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

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

Utah Aerospace Certification upon completion of Internship

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

Length

Semester

Fees

Lab fees required.

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

Certification

Utah Aerospace Certification
(completion of Internship)