

# MECHANICAL TECHNOLOGY (MT)

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**MT 100 # - Fabricating Composites****Units: 3**

This course will allow students to create and repair basic composite products.

*Transferability: May not transfer towards an NSHE bachelor's degree*

*Term Offered: Spring and Fall*

**MT 108 # - Fluid Power (Pneumatics, Hydraulics, Instrumentation)****Units: 3**

This course covers the basic and intermediate principles and practices of Fluid Power for both hydraulic and pneumatic systems. Students will learn and demonstrate applications of industrial use of fluid power components, theory and calculations of fluid control, measuring and calculations of fluid flow, pressure regulation, and troubleshooting, repair and maintenance techniques. The student must complete all content for the following six areas in order to meet degree or certificate requirements.

*Transferability: May not transfer towards an NSHE bachelor's degree*

*Enrollment Requirements: Prerequisite: ENRG 110 or ELM 110 or instructor approval.*

*Term Offered: All Semesters*

**MT 109 # - Small Engine Operation and Maintenance****Units: 3**

This course introduces students to the operation and maintenance of small engines used in a variety of technical settings. Students will operate, maintain, and repair two-cycle and four-cycle engines.

*Transferability: May not transfer towards an NSHE bachelor's degree*

*Term Offered: Fall*

**MT 290 # - Internship in Mechanical Technology****Units: 1-8**

This course provides the student with the opportunity to acquire real-world experience under the supervision of qualified industry personnel. This course is an extension supplemental to classroom/lab experiences. Student grades will be assigned as a cooperative effort between faculty and job supervisor.

*Transferability: May not transfer towards an NSHE bachelor's degree*

*Term Offered: AS NEEDED*