

MACHINE TOOL TECHNOLOGY & WELDING FABRICATION II

Seniors

Prerequisites: students who have successfully completed Machine Tool & Welding Fabrication may apply. Applications will be considered based on a CATC rubric.

This course is an extension of the Machine Tool/Welding Technology I program with an increased level of expertise in machining and welding. The machinist projects assigned are more complex. Students will be exposed to computer numerical control (CNC), four jaw chucking, and other advanced processes. The welding criteria will expand to include a more comprehensive skill set in the various test positions required by the AWS (American Welding Society). The students will expand their knowledge in Tig welding, blueprint reading and other advanced aspects of welding.

MEDICAL/VETERINARIAN TERMINOLOGY

Juniors/Seniors

The first semester of the course will cover medical terminology. The second semester of the course will cover veterinarian terminology. Students will learn human anatomy and physiology and companion animal anatomy and physiology, fire safety, CPR for humans and **animals**, and infection control procedures. Students will practice skills related to human and animal studies, such as vital signs, feeding and bathing, and other various human and animal nursing procedures. There will be opportunities to learn about careers in medical/veterinarian fields. There will be a clinical rotation at the local animal shelter during the second semester. Students will be able to attend job shadow(s) according to their career interest. Students who successfully complete the program may be eligible to become employed in a medical office setting and/or veterinary clinic. This is an excellent course to begin education in the health field because students will learn the terminology that will be a good foundation for any medical career. This course is offered during the afternoon (11:30-1:30) session only.

Certifications Offered:

CPR for humans and animals
10 hour OSHA Healthcare Certification

College Credit Opportunities:

Dual Enrollment with: Central Maine Community College

PLUMBING & HEATING

Juniors/Seniors

Recommendations: Students should have mastery of reading, measuring, and arithmetic computation skills. Students should also be familiar with a full-function calculator to perform basic mathematical operations, and should be able to perform calculations using fractions and decimals.

Plumbing and Heating offers 2 one-year programs providing instruction in all phases of plumbing and heating technology. The students will learn installation, repair, and maintenance of plumbing and heating equipment.