

INTRODUCTORY COURSE FOR SOPHOMORES

Does working in small groups to design team projects sound like fun? If so, the Manufacturing Center may be just right for you! You'll learn the basics of welding, HVAC and electrical competencies as you bend metals and perform basic welds.

This course is a one-semester class that introduces sophomore students to the field of manufacturing. Students who take this course will also take a one semester introductory course in either the business, health, construction, or transportation fields. At the end of the sophomore year, students will then be prepared to select the particular technical area in which they will specialize.



The core curriculum of this class prepares students to further their studies over the next two years in one of the following Career Center programs that relate to the manufacturing industry: Welding & Sheet Metal Fabrication, Electronics, or Electrical & HVAC.

The three-year sequence of study at Delaware Area Career Center begins with an introduction of broad-based, multi-craft skills. The core skill/knowledge units of study in the introductory course to the Manufacturing Center are:

1. Orientation and language of manufacturing
2. Blueprint types and print format
3. Customer Service
4. Welding industry, processes and symbols
5. HVAC industry and theory
6. Electrical industry and theory

Sophomore students in the Manufacturing Center will tour several central Ohio industrial settings where they will observe applications of the above-mentioned skills. All students will become a member of the SkillsUSA Career Technical Student Organization (CTSO).

Integrated training in the 11/12th grades within the Manufacturing Center will focus upon hands-on experiences in blueprint reading, technical sketching, CAD, light machining, residential/light commercial electrical skills, and mechanical devices that include motors, motor controls, hydraulics and pneumatics, and HVAC.

Prerequisite: A minimum of 3.75 credits at the end of 9th grade.

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QUESTIONS? Call us at 740.548.0708 or 363.1993
FOR MORE INFORMATION, visit us at www.DelawareAreaCC.org