



Manufacturing

Dual Credits: two high school credits and two college courses

Welding Basics – TLH4T (College Course: WLD001)

Students will learn all aspects of welding and shop safety, including general, personal, welding and industrial shop safety. Students will study and operate Shielded Metal Arc Welding (SMAW,) Gas Metal Arc Welding (GMAW) and Oxy Fuel Cutting (OFC) processes. This course also includes the study of power sources, electrodes and consumables, basic welds and welding procedures. Students will learn the different types of lines, views and dimensions used on engineered drawings. They will identify the bill of materials, structural shapes, welding symbols and the use of basic joints that are used in print reading.

Machining Basics – TZP4T (College Course: MST010)

In this entry level course students will get an understanding and appreciation of the requirements and skills needed to become a Machinist. Equally dividing the hours into theory and practical exercises the student will learn initially in class, basic safety and skills used to operate machine tools and put that knowledge into a practical application.

Note:

- Tuition, materials and transportation fees will be covered through the Dual Credit program.
- All students are expected to attend an orientation session prior to taking part in any Dual Credit program.
- Students will be contacted by the SCWI Program Assistant, at least one week prior to the start of the program, to be provided with a date, time and location for each orientation session.
- Delivery: Scheduled between February – June, 2024.
- Location: Commerce Court Campus.