



g & Metal Fabrication

Sno-Isle TECH
S k i l l s C e n t e r

Course is offered for the 2021-2022 school year

Length of program: 1 – 2 years

Occupational/elective high school credits: 3 per year

CTE dual credit through Everett CC*:

Weld 190 Oxyacetylene Welding 5 credits

Weld 191 Basic Arc Welding 5 credits

Weld 192 Advanced Arc Welding 5 credits

Weld 194 TIG Arc Welding 5 credits

Weld 195 MIG Arc Welding 5 credits

Weld 196 Flux Cored Arc Welding 5 credits

30 credits total

Sessions offered: AM 7:50 to 10:25 M-F

PM 11:05 to 1:40 M-F

*If all requirements and paperwork are completed on time through EvCC.

Pre-requisites:

- Junior/Senior standing
- Returning students must have a B or better their first year, appropriate paperwork and instructor approval.
- Students will be required to read and comprehend professional technical manuals; perform required business math skills; and communicate effectively in written and oral presentations.
- Dexterity and spatial skills contribute to student's individual success in this career field.
- A strong command of math skills to include addition/subtraction/multiplication/division of whole numbers and fractions, measurement principles, plus an understanding of geometry will be necessary in this program.
- Students should possess good manual dexterity, have the ability to work on feet for long period of time and be able to lift heavy objects.
- Ability to work safely with others and individually
- Students need to complete at least one year for minimum skill development.

Course description:

This industry based shop environment is designed for the student who would like to receive a general metal working background as a foundation for continuing education or a trade-vocational career. This one/two year program can "SPARK" an interest in the trade of welding and metal fabrication.

Welding, fabrication and safety are taught with a blend of lecture, assignments and hands-on competencies that maintain the student's interest and foster a deeper appreciation of the trade. Students work in a classroom and shop environment developing skills in many types of welding: stick, wire feed, heli-arc, flux core, etc. Oxy fuel cutting, hand plasma arc, computerized plasma arc and basic fabrication are also introduced. You will learn how to take pride in your work as you are signing your name with every weld. The welding team keys to success consists of strong work ethics, positive attitude, ability to follow and understand written and verbal instructions, basic math and measuring skills, plus the ability to be self-directed and to work safely, independently and as a team member are all essential skills to succeed in this program.

Instructor Information:

Instructor: Bob Throndsen

Classroom number: 425-348-2235

Email: throndsenrm@mukilteo.wednet.edu

Attendance line: 425-348-2222

Main office number: 425-348-2220

Class hours:

Mornings: 7:50 to 10:25 AM

Afternoons: 11:05 to 1:40 PM

The Weld Shop is the first door in Building 2

My office is through the shop door and next to the classroom

The best time to contact me is between 6:00 AM to 7:40 AM

The best way to contact me is by email, response time will be within 24 hours (unless a non-school day)

We follow Mukilteo School District guidelines

If there is snow; call 425-348-2222 option #9 (24 hr. line)

Course Materials:

The course is covered by competency packets and curriculum printed from multiple sources and presented in a simple order.

Students will be given visual materials in the form of handouts, and online curriculum. Visual aids such as projectors, computers and white boards will be implemented to help with student understanding of lesson plan concepts. Objectives for daily lessons are written clearly on the board with daily questions and general concepts written and stated to the students each day to start class discussions. Instructor will state the learning targets and give multiple examples for students to draw information from.