

# EVCC CAREER PATHWAYS TIG Welding Certificate

Career Cluster:

## EDUCATIONAL PROGRAM

The [Welding Program](#) at EvCC is designed to meet the expanding needs of the many occupations that utilize welding. The welding department provides a balanced course of study, including hands-on learning experiences, technical information and general education courses. Emphasis is on welding, torch burning techniques, and fabrication techniques, with opportunities for attaining these skills in a lab setting. The welding program is competency based and is divided into separate skill blocks. Each skill block is based on a 100 hour period of laboratory time. An average student should be able to complete a skill block within that time. As a student completes a skill block and demonstrates mastery of those skills by passing an exit test for that skill block, he/she can receive credit for it and move to the next level of training. This permits students to move through the program at their own rate.

## CAREER AND TECHNICAL EDUCATION OPPORTUNITIES

Courses are connected to and articulated with high schools via Tech Prep credit. If your school district is listed below, contact your counselor to discuss how you can earn Tech Prep credit.

Arlington School District    Snohomish School District  
Marysville School        Sno-Isle Skills Center

## ADVANCED TIG WELDING

This 16-credit certificate prepares participants for positions in the area of Advanced Tungsten Inert Gas (TIG) Welding. This program provides participants with the basic knowledge of the safety, setup, and operation of water-cooled TIG systems, purge blocks, and out-of-position welding.

## CAREER AND EMPLOYMENT OPTIONS

### WELDING CERTIFICATE

[Welding Certificate](#) (43 credits of welding classes)

Welders may find employment in places such as: manufacturing and repair shops, shipbuilding yards, the aerospace industry, construction of buildings, bridges and other structures; also joining pipes for pipelines, power plants, refineries and the high tech sector using CNC controlled equipment. Welders can advance to more skilled jobs with additional training and experience. Opportunities exist to become supervisors, inspectors and instructors.

[O\\*NET Online](#)

## CAREER AND EMPLOYMENT DATA - SNOHOMISH COUNTY

Washington State Employment Security Department (WSESD) provides data and information about occupations and careers.

[WSESD Snohomish County High Demand Occupations](#)

## EVCC ADMISSIONS OPTIONS

Students who have earned a high school diploma or GED or students over the age of 18 may apply to Everett Community College online. Alternative options are listed below. Remember,

Stay Close ~ Go Far with EvCC

[Admission Application](#)    [English as a Second Language](#)  
[Adult Basic Education](#)    [Youth Re-engagement](#)  
[College in the High School](#)    [Running Start](#)  
[I-BEST](#)

## FOR MORE INFORMATION

Contact the Welding Advisors or Department:

Dan Minzel, Advisor  
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dminzel@everettcc.edu

Robert White, Advisor  
425-388-9096  
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## ATA DEGREE

[Welding ~ ATA](#) (90 Credits)

The ATA is a non-transferable technical degree that includes emphasis in developing professional welding and fabrication skills as well as providing a grounding (13 credits) in general studies. This program is approximately two years in length for full-time involvement.

## EMPLOYMENT AND WAGES

[Solderers and Brazers](#)    [Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders](#)  
[Welders, Cutters, and Welder Fitters](#)    [Washington State Association of Plumbers and Pipefitters](#)  
[O\\*NET](#)

## ADVANCED AND SPECIALTY OPTIONS

Special welding courses for those people with an interest in advanced skills or personal interest in welding or desire to upgrade specific skills are available. Welders with the need or who are already involved in welding and need specific skill upgrading for job improvement. See your Advisor for specialty and advanced options.

## U.S. DEPARTMENT OF EDUCATION GAINFUL EMPLOYMENT

For more information about EvCC graduation rates, the median debt of students who completed the program, and other important information, visit our website at [www.everettcc.edu/gainfulemployment](http://www.everettcc.edu/gainfulemployment)