

WELDING (CT.WLD)

CERTIFICATE OF ACHIEVEMENT

Program Outcomes: Upon successful completion of this program a student will be able to:

- demonstrate the use of welding and metal cutting processes safely and correctly.
- perform welding procedures in two or more methods on steel test plates in two or more welding positions.
- interpret and analyze fabrication prints, develop parts and cutting lists, and select and calibrate welding and cutting methods to fabricate assigned projects.

Required Major Courses (24 units)

| | | |
|--------------------------|--|-----|
| <input type="checkbox"/> | CMA-74 – Industrial Print Reading and Drawing | 3.0 |
| <input type="checkbox"/> | MFGT-169 – Hazardous Materials and Industrial Safety | 2.0 |
| <input type="checkbox"/> | WLD-150 – Introduction to Arc Welding | 3.0 |
| <input type="checkbox"/> | WLD-151 – Introduction to GTAW/TIG Welding | 3.0 |
| <input type="checkbox"/> | WLD-153 – Welding Fabrication | 3.0 |
| <input type="checkbox"/> | WLD-154 – Advanced Arc Welding | 3.0 |
| <input type="checkbox"/> | WLD-155 – Ornamental Ironwork | 2.0 |
| <input type="checkbox"/> | WLD-156 – Toolmaking | 2.0 |
| <input type="checkbox"/> | WLD-157 – Pipe Welding | 3.0 |

Major Electives (Complete 6 units)

| | | |
|--------------------------|--------------------------------------|---------|
| <input type="checkbox"/> | WLD-152 – Sheet Metal Fabrication | 2.0 |
| <input type="checkbox"/> | WLD-158 – Hardfacing and Surfacing | 2.0 |
| <input type="checkbox"/> | WLD-99 – Cooperative Work Experience | 1.0-4.0 |

Other Required Courses

| | | |
|--------------------------|---|-----|
| <input type="checkbox"/> | ENG-101* – Intermediate Composition and Reading | 3.0 |
| | OR | |
| | ESL-101* – Academic Writing and Reading II | 5.0 |
| <input type="checkbox"/> | MAT-106** – Integrated Mathematics | 3.0 |

TOTAL: 30 UNITS

*Eligibility for ENG-1A or ENG-1AX fulfills this requirement.

**Eligibility for MAT-123 or any higher level math class fulfills this requirement.

GAINFUL EMPLOYMENT INFORMATION:

See the certificate program cost and the employment outlook for graduates by clicking the link below:
<https://www.hartnell.edu/academics-affairs/gecp/>

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/student-services/financial-aid/net-price-calculator.html>