



WELDING PROGRAM

CTE COURSE SEQUENCE

FOUNDATIONAL (9TH & 10TH)

- Intro to Career Pathways
- Technology Applications 1
- Small Engines 1
- Technical Drafting 1 & 2 - **M**

TECHNICAL (11TH & 12TH)

- Welding 1 (or Welding A & B) - **M/S**
- Welding 2 (or Welding C & D) - **M/S**

ACADEMIC ELECTIVE CREDITS: **S** = SCIENCE **M** = MATH **LA** = LANGUAGE ARTS **SS** = SOCIAL STUDIES

ACADEMIC RIGOR

- Pre-Calculus with Trigonometry
- Chemistry
- Physics

STUDENT ORGANIZATION (CTSO)

- Skills USA

CERTIFICATION

- AWS Level 1

EARLY COLLEGE CREDIT OPTIONS

COLLEGE
CREDITS

DUAL ENROLLMENT

- | | |
|--|------|
| <input type="checkbox"/> Technology Applications 1, 2, 3 | 3 cr |
| <input type="checkbox"/> Technical Drafting 1 | 1 cr |
| <input type="checkbox"/> Technical Drafting 2 | 1 cr |
| <input type="checkbox"/> Welding 1 | 3 cr |
| <input type="checkbox"/> Welding 2 | 7 cr |

AP (WITH PASSING SCORE ON AP EXAM)

- AP Biology
- AP Chemistry
- AP Physics

MAPPING YOUR 4-YEAR PLAN*

9TH GRADE	CREDITS	10TH GRADE	CREDITS
<input type="checkbox"/> Introduction to Career Pathways	.5 cr	<input type="checkbox"/> Industrial Safety and First Aid	.5 cr
<input type="checkbox"/> Technology Applications 1	.5 cr	<input type="checkbox"/> Technical Drafting 1 - M	.5 cr
<input type="checkbox"/> Algebra 1	1 cr	<input type="checkbox"/> Technical Drafting 2 - M	.5 cr
<input type="checkbox"/> English 1	1 cr	<input type="checkbox"/> Small Engines 1	.5 cr
<input type="checkbox"/> Biology	1 cr	<input type="checkbox"/> Geometry	1 cr
<input type="checkbox"/> Civics	.5 cr	<input type="checkbox"/> English 2	1 cr
<input type="checkbox"/> Health	.5 cr	<input type="checkbox"/> Physical Science	1 cr
<input type="checkbox"/> PE	1 cr	<input type="checkbox"/> World History	1 cr
11TH GRADE	CREDITS	12TH GRADE	CREDITS
<input type="checkbox"/> Welding 1 OR Welding A & B - M/S	2 cr	<input type="checkbox"/> Welding 2 or Welding C & D - M/S	2 cr
<input type="checkbox"/> Algebra 2	1 cr	<input type="checkbox"/> Algebra 2	1 cr
<input type="checkbox"/> English	1 cr	<input type="checkbox"/> English	1 cr
<input type="checkbox"/> Science	1 cr	<input type="checkbox"/> Science	1 cr
<input type="checkbox"/> U.S. History	1 cr	<input type="checkbox"/> U.S. History	1 cr

*These are suggested courses to best prepare students for post-secondary transitions and credentialing. Actual courses may depend on school schedule availability and enrollment capacity. Some classes may be available at other locations through District-wide or course share options. Graduation requirements for number of credits and required courses are set at a district level and are subject to change. Talk to your counselor about your graduation requirements and to schedule your courses.

STACKABLE CREDENTIALS & DEGREES*

HIGH SCHOOL	COLLEGE
<input type="checkbox"/> Dual Enrollment <input type="checkbox"/> Academic AP	<input type="checkbox"/> Undergraduate Certificate/Occupational Endorsement - Welding <input type="checkbox"/> Occupational Endorsement - Nondestructive Testing Technology <input type="checkbox"/> Associate of Applied Science in Welding Technology <input type="checkbox"/> Bachelor Degree Welding Engineering Technology
INDUSTRY CERTIFICATION	
<input type="checkbox"/> AutoCAD <input type="checkbox"/> AWS Certified Welding Inspector <input type="checkbox"/> AWS Level 1 <input type="checkbox"/> Nondestructive testing	
APPRENTICESHIP	
<input type="checkbox"/> Trade Unions <input type="checkbox"/> Private Entity	<input type="checkbox"/> U.S. Armed Forces

*Listed Certifications, Apprenticeships and College Degree Programs represent a SAMPLE of available credentials. Available credentials are subject to change due to industry and postsecondary institution changes.