

Practicum Welding - Year at a Glance - 2025/2026

1st Nine Weeks
10/10/25

9wk Start Date: 8/11/25 - 9wk End Date:

3rd Nine Weeks
9 wk Start Date: 1/6/26 - 6wk
End Date: 3/6/26

**Practicum Welding TEKS Breakdown and
Planning for Rubric
Assignments/Projects/Performances**

Practicum Welding TEKS Breakdown and Planning for Rubric Assignments/Projects/Performances

TEKS for Portfolio(and what students need to be able to do to demonstrate) 130.366	Planned Projects/Assignments(and how you will use as evidence)
<p>1(E) complete tasks such as quality products and services with the highest standards;</p> <p>Demonstration: Students will perform weldment to American Welding Society Standards.</p>	<p>Students will complete an entry level welding performance test.</p> <p>Evidence: Performance Test Scoring rubric will be collected and entered into the portfolio.</p>
<p>1(G) comply with safety rules such as regulations to maintain safe working conditions and environments appropriate to work setting;</p> <p>Demonstration: Students will need to pass a general safety assessment and complete PPE safety checklist.</p>	<p>Students will complete a general safety test and complete a safety packet with parents.</p> <p>Evidence: Graded assessment and signed safety agreement and PPE checklist will be collected and entered into the portfolio.</p>
<p>3(B) demonstrate teamwork skills through working cooperatively with others to achieve tasks;</p> <p>Demonstration: Students will have to work cooperatively to complete assigned tasks. (Divide pipe, layout pipe, oxyfuel cut pipe and weld pipe.</p>	<p>Students will form teams of 2 and fabricate a 2 Piece 90, straight tee, and reducing tee using schedule 40 pipe.</p> <p>Evidence: A performance rubric and recorded evidence of weldments/artifacts will be collected and entered into the portfolio.</p>

6(B) demonstrate technical knowledge and skills by completing activities such as earning a licensures or certifications;

Demonstrate: Students will weld to AWS D1.1, D9.1 or API 1104 Standards.

Students will complete a weldment to American welding Society Standards for AWS D1.1 structural code or D9.1 Sheetmetal welder Code or AWS API 1104 Pipe Welding Standard

Evidence: AWS Welding Procedure Specification (WPS), and Procedure Qualification Record will be entered into the portfolio along with record of welding Artifact.

<p>4(A) demonstrate the use of content such as technical concepts and vocabulary;</p> <p>Demonstration: Students need to pass assessments with a grade of 70 or better and draw a detailed drawing properly using blueprint lines and views and welding symbols.</p>	<p>Students will complete a welding symbols and pipe symbols assessment.</p> <p>Evidence: Graded assessment and detailed drawing will be entered into the portfolio.</p>		
<p>6(B) demonstrate technical knowledge and skills by completing activities such as earning a licensure or certifications;</p> <p>Demonstrate: Students will weld to AWS D1.1, D9.1 or API 1104 Standards.</p>	<p>Students will complete a weldment to American welding Society Standards for AWS D1.1 structural code or D9.1 Sheetmetal welder Code or AWS API 1104 Pipe Welding Standard</p> <p>Evidence: AWS Welding Procedure Specification (WPS), and Procedure Qualification Record will be entered into the portfolio along with record of welding Artifact.</p>		
<p>6(E) collect representative work samples of completed weldments.</p> <p>Demonstration: Students will weld pipes in the 1G, 2G,. position.</p>	<p>Students will prepare pipes for welding and weld in the 1G, 2G, position.</p> <p>Evidence: A performance rubric and recorded evidence of weldments/artifacts will be collected and entered into the portfolio.</p>		

2nd Nine Weeks
12/18/25

9wk Start Date: 10/15/25 - 9wk End Date:

3(B) demonstrate teamwork skills through working cooperatively with others to achieve tasks;

Demonstration: Students will have to work cooperatively to complete assigned tasks. Layout Orange Peel Head Template for a 1 inch Schedule 40 Pipe and Layout a 4 to 2 inch concentric reducer template. Applied Lab - Use the templates to layout pipe (layout 12" square using 1" sq. tubing. Layout, fabricate, cut, and weld a cube with a pipe.

Students will form teams of 2 and fabricate a 12 inch square, using 1" sq. Tubing and layout, fabricate, cut and weld a cube with a pipe using a 1/4 inch flat bar and a 2" schedule 40 pipe.

Evidence: A performance rubric and recorded evidence of weldments/artifacts will be collected and entered into the portfolio.

4(A) demonstrate the use of content such as technical concepts and vocabulary;

Demonstration: Students need to pass assessments with a grade of 70 or better and draw a detailed drawing properly using blueprint lines and views and welding symbols.

Students will complete a welding symbols and pipe symbols assessment.

Evidence: Graded assessment and detailed drawing will be entered into the portfolio.

6(B) demonstrate technical knowledge and skills by completing activities such as earning a licensure or certifications;

Demonstrate: Students will weld to AWS D1.1, D9.1 or API 1104 Standards.

Students will complete a weldment to American welding Society Standards for AWS D1.1 structural code or D9.1 Sheetmetal welder Code or AWS API 1104 Pipe Welding Standard

Evidence: AWS Welding Procedure Specification (WPS), and Procedure Qualification Record will be entered into the portfolio along with record of welding Artifact.

