

Minnesota Articulated College Credit (ACC) Agreement

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Agreement Name Trades Enhancement Welding

Agreement Last Reviewed **Fall 2024**

Next Review Date **Fall 2026**

College Courses			
Class	Title	School	Credits
WELD 1001	Blueprint Reading, Process Theory and Safety	Rochester Community & Technical College	1.0 of 4.0
AGME 1930	Ag Welding	South Central College	1.0 of 2.0
MEAG 1500	Facility Maintenance	South Central College	1.0 of 3.0

These credits are valid for students 2 years after high school graduation from the completion of this course.

Curriculum Content Objectives

80% of the curriculum learning outcomes will be covered in the high school course(s) by qualified CTE high school instructor(s).

1. Identify safe practices and dangers when working in a weld shop
2. Demonstrate proper storage of compressed gases
3. Examine the effects of heat distortion
4. Demonstrate safe setup, start-up, and shutdown of equipment
5. Demonstrate proper oxy-fuel and plasma-cutting processes
6. Demonstrate proper welding techniques while using GMAW and SMAW welding processes
7. Introduce and perform welding techniques in the 1F and 1G welding positions
8. Identify welding shop hazards such as electrical, chemical, heat, and fire damage and how to avoid these welding shop hazards
9. Perform proper weld shop shutdown procedures
10. Demonstrate daily shop cleanliness

Assessments

Students must achieve no less than 80% or B for a final grade in the high school course to receive ACC. Emphasis

ACC Concept

Through Articulated College Credit (ACC), specific college curriculum content goals and assessments are embedded in participating high school career and technical education (CTE) programs as specified in this agreement. Relevant knowledge, skills, and standards are taught by qualified CTE high school instructor(s) in one or more high school courses. ACC is awarded if the student meets the college equivalency standards and later enrolls in the college(s) listed below requiring the course in a specific program.