

Minnesota Articulated College Credit (ACC) Agreement

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Agreement Name: **Gas Welding, Brazing & Cutting Shop I**

Agreement Last Reviewed: Fall 2024

Next Review Date: Fall 2026

Credits are valid for two years upon high school graduation.

College Courses			
Class	Title	School	Credits
WELD 1314	Gas Weld, Brazing, Cut Shop I	Ridgewater College	1.0 of 1.0
WELD 1055	Cutting & Brazing	South Central College	1.0 of 3.0

Curriculum Content Objectives

To receive credit, students will perform 80% of the following content objectives:

Using Oxy-fuel welding, brazing, and cutting processes:

1. Run mild steel sheet metal molten puddles
2. Complete gas weld stringer beads with filler metal
3. Build up steel plate lug with gas welding (1.5 long X1/4 wide X3/8 height)
4. Plug weld a hole with gas welding
5. Complete square tube-to-sheet gas weld
6. Complete pipe-to-sheet gas weld
7. Weld sheet metal tee joint joints with gas welding
8. Weld sheet metal with lap joints
9. Weld sheet metal with square butt joints
10. Weld sheet metal corner joints

Assessments

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

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 requiring the course in a specific program.