

Minnesota Articulated College Credit (ACC) Agreement

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Agreement Name **Print, Symbols & Joint Designs II**

Agreement Last Reviewed **Fall 2024**

Next Review Date **Fall 2026**

Credits are valid for 2 years upon high school graduation.

College Courses

Class	Title	School	Credits
WELD 1321	Prints, Symbols & Joint Designs II	Ridgewater College	1.0 of 2.0

Curriculum Content Objectives

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

1. Explain welding process abbreviations
2. Explain fabrication drawing abbreviations/symbols
3. Explain welding fabrication joint types
4. Explain structural steel shape and dimensional terminology
5. Identify standard and advanced welding symbols
6. Explain weld size and effective throat dimensions
7. Explain root opening/groove angle symbols
8. Identify back melt thru welding symbols
9. Identify contours/finishing/backing symbols
10. Interpret isometric, oblique, and orthographic prints
11. Fabricate working shop prints
12. Calculate material cost based on fabrication print specifications

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.