

# Minnesota

## Articulated College Credit Agreement

[www.CTEcreditMn.com](http://www.CTEcreditMn.com)

### Articulated College Credit Agreement:

Through Articulated College Credit (ACC), specific college curriculum learning outcomes 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 course. 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.

**Agreement Name:** Heavy Duty Truck Technology – Welding Procedures  
**Agreement Reviewed/Revised:** 2022 - 2024

**These credits are valid for students 2 years after graduation from high school.**

Colleges	College Courses	College Programs	Articulated College Credit
Dakota County Technical College	HDTT 1106 Welding Procedures	*Heavy Duty Truck Technology – A.A.S. (78 cr.) *Heavy Duty Truck Technology – Diploma (70 cr.) *Truck Fleet Maintenance – Certificate (27 cr.)	1 credit of 2 total credits

### Course Description:

This course covers basic position welding techniques of the different welding applications used in the heavy truck repair industry. This course will cover applications of oxyacetylene welding, brazing, cutting, heating, arc welding, and wire-feed (MIG).

### Curriculum Learning Outcomes:

100% of the curriculum learning outcomes will be covered in the high school course(s) by qualified CTE high school instructor(s).

To complete these requirements, students will:

1. Demonstrate and understand professionalism and safety practices
2. Demonstrate the safe and proper use of an acetylene torch.
3. Perform proper set up of arc welding equipment, while demonstrating the ability to make standard weld joints used in heavy duty truck repair.
4. Demonstrate the proper use of a plasma cutter.

### Course Assessments:

Students must achieve a **B or better but not lower than 80%** on final test and a **cumulative** score of 80% on all assessments.