

Minnesota Articulated College Credit (ACC) Agreement

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Agreement Name: **Introduction to Automotive Technology**

Agreement Last Reviewed: **October 2022**

Next Review Date: **October 2024**

College Courses			
Class	Title	School	Credits
TRAN 1100	Introduction to Transportation	Minnesota West Community & Technical College	1.0 of 2.0
AUTO 1104	Vehicle Maintenance	Ridgewater College	2.0 of 4.0
AST 1112	Introduction to Automotive Service	South Central College	1.0 of 2.0
ABCT 1840	Auto Collision Mechanical I	South Central College	1.0 of 3.0
AMT 1710	Auto Service Theory	Rochester Community & Technical College	1.0 of 2.0

Curriculum Content Objectives

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

Objectives 1 – 15 are required for articulation.

1. Demonstrate professional automotive technician behavior, attendance and participation.
2. Demonstrate understanding of ASE standards.
3. Demonstrate shop safety, first aid and OSHA recommended waste disposal.
4. Identify vehicle identification number (VIN).
5. Check fluid levels.
6. Tap/repair threads.
7. Demonstrate safe vehicle lifting procedures.
8. Identify and use various automotive fasteners.
9. Identify hand and power tools.
10. Use micrometer: metric and English.
11. Identify tire construction.
12. Identify zerk fittings.
13. Inspect wheel bearings.
14. Perform vehicle safety inspection.
15. Demonstrate proper use of torque devices.

Objectives 16 - 26 are encouraged.

16. Solder wires.
17. Perform safe MIG welder operation.
18. Perform safe acetylene torch operation.

19. Mount, dismount, balance and perform tire repair.
20. Replace cooling hoses and belts.
21. Service cooling system.
22. Perform battery safety, testing, diagnostics and charging.
23. Inspect exhaust system.
24. Replace fuses/bulbs and circuit protection devices.
25. Complete work order to include customer information, VIN, customer concern, related service history, cause and correction.
26. Research applicable vehicle and service information and TSB.

Assessments

Students must achieve no less than 80% or B for a final grade in the high school course to receive ACC. For partial earned college credits, students must take the course at the college with a tuition discount

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 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.