

Minnesota

Articulated College Credit Agreement

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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: General Automotive Service
Agreement Reviewed/Revised: 2023 – 2024

These credits are valid for students in grades 9-12 for 5 years from the completion of this course.

College(s)	College Course(s)	College Programs	Articulated College Credit
Anoka Technical College	AUTO 1010 - General Automotive Service	Automotive Technician (A.A.S.- 72 cr.; Diploma - 60 cr.)	2 credits of 2 total credits
Hennepin Technical College	ATEC 1050 – Introduction to Automotive Technology	Automotive Technician (A.A.S.- 72 cr.)	1 credit of 2 total credits
St. Cloud State University	ETS 1 – Technical Elective Credit	Environmental & Technological Studies Department Teaching Majors	3 credits of 3 credits

Course Description

This course covers the correct procedures for servicing vehicles, shop safety and the use of service resources, such as service manuals, bulletins and electronic information systems. Students will learn about tools and equipment usage and related trade knowledge, including basic systems, services and components. Students will demonstrate safe working habits and exhibit classroom work habits and ethics consistent with occupational standards. This course introduces the student to shop safety, shop skills and terminology for automotive service and maintenance. Information will be presented through lecture, demonstration, text and service manuals.

Curriculum Learning Outcomes

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

To receive the partial college credit as indicated on page 1, students will demonstrate the general servicing of a vehicle including:

1. Examine shop safety procedures and incorporate them into work
2. Identify service intervals and perform vehicle safety inspections.
3. Perform minor lubrication and tire services.
4. Examine waste handling procedures and comply with EPA and MPCA regulations.
5. Perform minor battery service.
6. Perform cooling system maintenance and minor repairs.
7. Locate service information using service manuals and electronic data handling equipment.
8. Relate the function and operation of basic engine and transmission systems.
9. Perform safe and proper use of basic hand tools.

Students will demonstrate safe working habits and exhibit classroom work habits and ethics consistent with occupational standards. These courses introduce the student to shop safety, shop skills and terminology for automotive service and maintenance. Information will be presented through lecture, demonstration, text and service manuals.

REFERENCE Texts: *Please refer to college online bookstores through the college website(s) for up-to-date text information.*

- ☐ Hennepin Technical College www.hennepintech.edu Click on Bookstore.
- ☐ Anoka Technical College www.anokatech.edu Click on Bookstore.
- ☐ St. Cloud Technical & Community College www.sctcc.edu Click on Bookstore

Course Assessments

- ☐ In the shop and under the observation of the teacher, students will perform all assessments as indicated. The teacher will use a checklist to check-off as the student accomplishes each item. When the student has satisfactorily completed an area, the teacher will initial the area.
- ☐ The student must obtain an **80% score or higher** on each outcome area of the worksheet. Each performance of the student must be complete and accurate to be checked-off.

Recommended Comprehensive Assessments – High Schools & Colleges

Comprehensive Assessments	Vendor	Additional Information
Automotive Service, Introduction (505)	Precision Exams	https://www.precisionexams.com/minnesota/files/standards-pdfs/(505E)ks.pdf
SP2 – Automotive Service Safety	SP2	https://sp2.org/automotive-schools
SP2 – Automotive Service Pollution Prevention	SP2	https://sp2.org/automotive-schools/