



Auto Service Technology Diploma - 64 credits

Program Area: Auto Service (Fall 2019)

*****REMEMBER TO REGISTER EARLY*****

Program Description

In the Auto Service Technology program, students will have the opportunity to learn skills to prepare for entry-level positions as automotive technicians. These skills will also be helpful in preparing for A.S.E. (Automotive Service Excellence) certification. Courses of instruction cover all systems of the automobile, including basic operation and parts identification with the objective of developing diagnostic skills. Automotive service technicians, in addition to enjoying working with their hands, must also have the ability to systematically diagnose technical automotive problems.

Program Outcomes

- Demonstrate the skills and knowledge necessary to utilize service literature
- Demonstrate the skills and knowledge to perform repairs following environmental and ethical guidelines
- Exhibit the safety procedures and practices necessary to work efficiently and professionally in the automotive industry
- Demonstrate the ability to maintain and repair tools and equipment in the automotive shop
- Demonstrate the skills and knowledge necessary for diagnosis and repair of automotive heating and air conditioning systems, electrical systems, drive train systems, steering and suspension systems, brake systems, drive ability systems, engine systems, and transmission systems

Required Courses

Number	Name	Credits	Term
ASTE 1400	Introduction to Transportation	3	
ASTE 1490	Automotive Shop Management I	3	
ASTE 2490*	Automotive Shop Management II	2	
ASTE 1430	Auto Electrical Fundamentals	3	
ASTE 2430*	Clutch and Differential	3	
ASTE 1450*	Engine Service	5	
ASTE 1460*	Basic Fuel System Service	2	
ASTE 2500*	Fuel Systems II	3	
ASTE 1470*	Basic Engine Driveability	3	
ASTE 2510*	Advanced Engine Driveability	4	
ASTE 2440*	Brakes	4	
ASTE 2400*	Suspension and Steering Repair	3	
ASTE 2410*	Basic Wheel Alignment	3	
ASTE 2420*	Advanced Wheel Alignment	2	
ASTE 1410*	Air Conditioning	3	
ASTE 2480*	Advanced Air Conditioning	2	
ASTE 1500*	Charging and Starting Systems	3	
ASTE 1440*	Body Electrical and Electronics	3	
ASTE 2470*	Introduction to Automotive Computers	3	
ASTE 2450*	Transmission Theory	2	
ASTE 2460*	Transmission Lab	3	
ENGL 1005	Applied Communications	2	

Total Credits **64**

*Requires a prerequisite or a concurrent course

Pre-program Requirements

Successful entry into this program requires a specific level of skill in the areas of English and reading. Program entry will depend, in part, on meeting the prerequisites listed below:



Auto Service Technology Diploma - 64 credits

Program Area: Auto Service (Fall 2019)

*****REMEMBER TO REGISTER EARLY*****

English/Reading:

- A score of 78 or higher on the reading comprehension portion of the Accuplacer, or
- Completion of ENGL/READ 0950 or 0955 (or equivalent course or higher). ENGL/READ 0955 may be taken concurrently with Semester I coursework.

*For interpretation of test results and selection of appropriate coursework;
or general information about the program, admissions, financial aid, and getting started at LSC,
contact the [professional advising team](mailto:pat@lsc.edu) (pat@lsc.edu) at 218-733-7601*

For more information about the Auto Service Technology Diploma including course descriptions, course prerequisites, the gainful employment disclosure, and potential career opportunities, see the [program website](https://degrees.lsc.edu/auto-mechanic/) (https://degrees.lsc.edu/auto-mechanic/)

or

Contact Faculty Advisor: [Dean Magnuson](mailto:dean.magnuson@lsc.edu) (dean.magnuson@lsc.edu) at 218-733-6996



MINNESOTA STATE

CIP Code: 47.0604
Minnesota State Program ID: 1032
LSC Major ID: 5306

Created: 3/1/05
AASC Approval: 3/4/15
Updated: 5/17/19

All courses in diploma and/or certificate programs are acceptable for credit toward Lake Superior College degree programs as indicated on individual program planners. This is not a contract; Lake Superior College reserves the right to change the planner as necessary. This document is available in alternative formats upon request, by contacting [Disability Services](#) or (218) 733-7650 or MRS/TTY (800) 627-3529.