

# AUTOMOTIVE TECHNOLOGY

87 credit AAS | 73 credit Diploma | 38 credit Certificate

## THE PROGRAM

The Automotive Technology program is an Associate in Applied Science (AAS) degree including some general education requirements, a Diploma, which focuses on automotive technology, or a Certificate program that can be completed in one year. This competency-based education format allows you to enter the program on a space-available basis throughout the year. Core courses are structured to include training for the eight automotive area skills identified by the National Institute of Automotive Service Excellence (ASE). The skills are as follows:

- Engine Repair
- Automatic Transmission and Trans-axle
- Manual Drive Train and Axles
- Suspension and Steering
- Brakes
- Electrical/Electronic Systems
- Heating and Air Conditioning
- Engine Performance

## ADVISORS/TRiO & PowerSkills

Knowledgeable advisors will help you create a class schedule and choose electives to build strong foundations for upper division coursework and to meet transfer requirements.

TRiO & PowerSkills is an **advising, tutoring, and proctoring resource for everyone**, as well as disability services.

## HANDS-ON EXPERIENCE

Students will gain hands-on experience in our newly remodeled 11,000 SF shop. Implemented with five above-ground hoists, a portable hoist, alignment rack, a new hunter alignment machine, instructional areas, and more, students have all the tools they need to succeed. Students will also have the opportunity to work on “live vehicles” with their instructors.

## TOOL SCHOLARSHIP

Tool Scholarship Application. With this exciting scholarship you will receive \$1000 toward the purchase of tools and a tool box. This scholarship is available to a first year student enrolled in the Automotive Technology program. 50% of the scholarship will be applied to the student account in the fall semester and 50% in the spring semester.

## TIPS FOR STUDENT SUCCESS



1. GET ACQUAINTED WITH YOUR ACADEMIC ADVISOR during the first two weeks of school. Your advisor will help you select courses that meet core requirements and also support your transfer.



2. SCHEDULE TIME WITH YOUR ADVISOR immediately after term schedules is published to choose courses for upcoming semesters. Your advisor will assist you in getting into the courses you want and need.



3. GET RELEVANT WORK EXPERIENCE by participating in LRSC's Cooperative Education program to gain valuable hands-on work experience.



4. ASE Certification testing is available at LRSC. You are encouraged to take the certification test upon completion of the program.



## CAREER OPTIONS

Program graduates are prepared for careers in automotive services, including repair technicians, diesel technicians, service managers, shop owners, part managers, quality control inspectors, and more.

**\$40K**  
MEDIAN WAGE

## STUDENT FOCUSED

LRSC is among the best community colleges by Intelligent 2023. Our students receive individualized support and have access to a variety of support services to help achieve their academic goals.

**14:1**  
STUDENT: FACULTY  
RATIO

## SCHOLARSHIPS

\$425,000 are offered in scholarships annually. LRSC Community College Foundation funds these scholarships through contributions from loyal friends and supporters of LRSC.

**425K**  
AVAILABLE IN  
SCHOLARSHIPS

ASSOCIATE IN APPLIED SCIENCE-FIRST YEAR	CREDITS
AUTO 111: Engine Fundamentals*	6
AUTO 112: Engine Overhaul*	6
AUTO 148: Suspension & Steering*	4
AUTO 158: Brakes*	4
AUTO 161: Electronics*	3
AUTO 162: Electrical Systems*	6
AUTO 181: Fuel Systems*	3
AUTO 182: Computer Controls*	3
MATH 100 Or Higher*	3
SECOND YEAR	
AUTO 208: Hybrid and Light Duty Diesel Systems*	3
AUTO 221: Automatic Transmission Fundamentals*	3
AUTO 222: Automatic Transmission Diagnosis and Repair*	3
AUTO 238: Manual Drivelines*	6
AUTO 265: Advanced Automotive Electronics*	3
AUTO 278: Heating and Air Conditioning*	3
AUTO 288: Engine Performance II*	6
ENGL 105: Technical Communications*	3
TECH 238: Basic Welding*	2
<b>MATH 100 or HIGHER (required for Diploma/Certificate ONLY)*</b>	3
Gen Ed: English/Communications	3
Gen Ed: Humanities/Social Sciences	6
Gen Ed: Math/Science/Computer Science	6
Gen Ed: Physical Education	2
<b>Total AAS Credits</b>	<b>minimum 87</b>
<b>Diploma Credits</b>	<b>73</b>
<b>Certificate Credits</b>	<b>38</b>
1-year certificate courses	
*Diploma	

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LRSC is committed to providing reasonable accommodations to qualified individuals with disabilities upon request. To request an accommodation or to request this document in an alternate format, please contact Sandi Lillehaugen, Human Resource Director, Lake Region State College, 1801 N. College Drive; Office #120, Devils Lake, ND 58301, (701) 662-1543, Sandra.Lillehaugen@LRSC.edu. One-week advance notice appreciated.