

# 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.

## A FULLY ACCREDITED PROGRAM

The Automotive Technology program is accredited by the National Automotive Technicians Education Foundation (NATEF) to the Master Automobile Service Technology (MAST) level in all areas of instruction.

Lake Region State College's automotive program is certified in engine repair, automatic transmissions, manual drive transmission, suspension and steering, brakes, electrical systems, heating and air conditioning, and engine performance.

## 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.

## 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 and Automatic Transmission Builders Association 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.

## STUDENT FOCUSED

LRSC is ranked among the best community colleges by BestColleges and CourseAdvisor 2021. Our students receive individualized support and have access to a variety of support services to help achieve their academic goals.

## TOOL SCHOLARSHIP AND MORE

The Tool Scholarship is available to automotive students to help purchase tools for their courses. The chosen recipient will receive \$1,000 toward their tools and toolbox.



**\$40K**  
MEDIAN WAGE



**14:1**  
STUDENT: FACULTY  
RATIO



**300K**  
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*	4
AUTO 221: Automatic Transmission Fundamentals*	4
AUTO 222: Automatic Transmission Diagnosis and Repair*	4
AUTO 238: Manual Drivelines*	6
AUTO 278: Heating and Air Conditioning*	3
AUTO 288: Engine Performance II*	6
ENGL 105: Technical Communications*	6
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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For more information on the Automotive Technology program, please contact Randy Olson, [Randy.Olson@lrsc.edu](mailto:Randy.Olson@lrsc.edu) or visit [www.lrsc.edu](http://www.lrsc.edu)