



2018 - 2019
Career Technical Programs

Advanced Technology Division
541.463.5380

lanecc.edu

Automotive Technology

Associate of Applied Science Degree
Two-Year Certificate of Completion

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

Purpose To prepare the graduate for employment as an Automotive Service Technician working at company-owned repair stations, fleets, independent garages, gas stations, or new car dealerships.

Learning Outcomes The graduate of the Associate of Applied Science degree or the Two-Year Certificate of Completion will:

- use automotive service resources to complete lab projects and become familiar with computer accessed information, internet accessed information and information available in print related to automotive repair.
- be able to perform computations for gear ratios, engine displacement, electrical circuits, power output, vehicle alignment angles, conversion between the metric system and standard system, and use of precision measuring tools.
- diagnose and repair current vehicles using advanced diagnostic tools and equipment.
- successfully complete ASE certification tests.
- demonstrate and use industry safety standards.
- access library, computing, and communications services and obtain information and data from regional and national networks.
- interpret the concepts of a problem-solving task and translate them into mathematical equations.

Accreditation Automotive Technology, certified by the National Automotive Technicians Education Foundation, a non-profit foundation within the National Institute for Automotive Service Excellence

Admission Information lanecc.edu/advtech/at/admission-information or contact the Advanced Technology Division, AdvTechPrograms@lanecc.edu

Advising and Counseling classes.lanecc.edu/course/view.php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Automotive Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits in AM 280 may be earned in lieu of required Automotive Technology course credits. Contact Chuck Fike, Automotive Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

Job Openings Projected through 2020

Lane County openings - 21 annually

Statewide openings - 303 annually

Lane County average hourly - \$21.70; average annual - \$45,136

Oregon average hourly - \$21.44; average annual - \$44,585

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,324
Differential Fees*	\$2,717
Instruments/Tools	\$3,170
Program Specific Fees.....	\$960
Resident Tuition and General Student Fees.....	\$13,122
Total Estimated Cost \$21,293	

*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Course Requirements

- All AM and MTH courses must be taken for a letter grade, not P/ NP, and must be passed with a "C-" or better, or pass, to fulfill program requirements.
- WR115W and the PE/Health requirements must be passed with a "C-" or better to fulfill program requirements.
- See course descriptions for prerequisite information.
- For choices in Foundational Skills and Discipline Studies, see AAS degree description.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

First Year	Fall
MTH 085 Applied Geometry for Technicians.....	4
AM 243 Electrical and Electronic Systems	12
	Winter
AM 145 Engine Repair	12
PE/Health Requirement	3
WLD 121 Shielded Metal Arc Welding 1.....	4
	Spring
AM 147 Suspension and Steering.....	6
AM 149 Manual Drive Trains and Axles.....	6
WR 115W Introduction to College Writing: Workplace Emphasis.....	3
Second Year	Fall
AM 143 Brakes	8
AM 246 Heating and Air Conditioning	4
CS 120 Concepts of Computing: Information Processing....	4
Choice of: Science or Computer Science Course	
ET129 Electrical Theory 1	4
	Winter
AM 244 Engine Performance	12
Choice of:	
COMM 100 Basic Communications	
COMM 105 Listening and Critical Thinking	
COMM 218 Interpersonal Communications	4
CG 203 Human Relations at Work.....	3
	Spring
AM 242 Automatic Transmissions/Transaxles.....	12
AM 280 Co-op Ed: Automotive	3

Automotive Technology

Automotive Technology

Offered by the Advanced Technology Division, 541.463.5380

Two-Year Certificate of Completion

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

Purpose To prepare the graduate for employment as an Automotive Service Technician working at company-owned repair stations, fleets, independent garages, gas stations, or new car dealerships.

Learning Outcomes The graduate of the Associate of Applied Science degree or the Two-Year Certificate of Completion will:

- use automotive service resources to complete lab projects and become familiar with computer accessed information, internet accessed information and information available in print related to automotive repair.
- be able to perform computations for gear ratios, engine displacement, electrical circuits, power output, vehicle alignment angles, conversion between the metric system and standard system, and use of precision measuring tools.
- diagnose and repair current vehicles using advanced diagnostic tools and equipment.
- successfully complete ASE certification tests.
- demonstrate and use industry safety standards.
- access library, computing, and communications services and obtain information and data from regional and national networks.
- interpret the concepts of a problem-solving task and translate them into mathematical equations.

Admission Information lanecc.edu/advtech/at/admission-information or contact the Advanced Technology Division, AdvTechPrograms@lanecc.edu

Advising and Counseling classes.lanecc.edu/course/view.php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Automotive Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits in AM 280 may be earned in lieu of required Automotive Technology course credits. Contact Chuck Fike, Automotive Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

Job Openings Projected through 2020

Lane County: 21 positions

Statewide: 303 positions

Lane County average hourly - \$21.70; average annual - \$45,136

Oregon average hourly - \$21.44; average annual - \$44,585

Costs Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.

Books	\$951
Differential Fees*	\$2,717
Instruments/Tools	\$3,170
Program Specific Fees.....	\$940
Resident Tuition and General Student Fees.....	\$11,700
<hr/>	
Total Estimated Cost	\$19,478

*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Gainful Employment Disclosure

49-3023.01

Standard Occupational Classification: 43-3023.01 Go to the Department of Labor's O*Net website for a profile of this occupation: Automotive Master Mechanics onetonline.org/link/summary/49-3023.01 Or check on these O*Net Related Occupations: Automotive Specialty Technicians onetonline.org/link/summary/49-3023.02

In academic year 2014-15, fewer than 10 students completed this certificate within 2 years -- the actual number is withheld to preserve the confidentiality of students.

The program is designed to take 6 full-time enrolled terms, or about 2 academic years of study to complete -- i.e., "normal time."

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time graduation rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

Course Requirements

- All AM and MTH courses must be completed with a letter grade, not P/NP, and must be passed with a "C-" or better to fulfill program requirements.
- WR 115W and the PE/Health courses must be completed with a Pass or "C-" or better, or pass, to fulfill program requirements.
- See course descriptions for prerequisite information.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

First Year	Fall
AM 243 Electrical and Electronic Systems	12
MTH 085 Applied Geometry for Technicians.....	4
	Winter
AM 145 Engine Repair	12
WLD 121 Shielded Metal Arc Welding 1.....	4
	Spring
AM 147 Suspension and Steering.....	6
AM 149 Manual Drive Trains and Axles.....	6
PE/Health Elective	3
Second Year	Fall
AM 143 Brakes	8
AM 246 Heating and Air Conditioning	4
WR 115W Introduction to College Writing: Workplace Emphasis.....	3
	Winter
AM 244 Engine Performance	12
CG 203 Human Relations at Work.....	3
	Spring
AM 242 Automatic Transmissions/Transaxles	12
AM 280 Co-op Ed: Automotive	3

To request this information in an alternate format please contact the Center for Accessible Resources at (541) 463-5150 or accessibleresources@lanecc.edu.