

2016 - 2017 Career Technical Programs

Advanced Technology Division 541.463.5380

lanecc.edu

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

Purpose To prepare the graduate for employment as an Automotive ServiceTechnician 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 AdvancedTechnology Division, AdvTechPrograms@lanecc. edu

Advising & 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 Marv Clemons, Automotive Co-op Coordinator, Bldg 12, Rm. 120A. 541.463.3158, *clemonsm@lanecc.edu*

Job Openings Projected through 2020

Lane County openings 21 annually Statewide openings 208 annually

Wages

Lane County average hourly \$17.86; average annual \$37,143 Oregon average hourly \$19.52; average annual \$40,600

Automotive Technology

Associate of Applied Science Degree Two-Year Certificate of Completion

Costs (Estimate based on 2015-16 tuition and fees. Consult Lane's website for updated tuition.)

Books	\$1,350
Differential Fees*	\$2,543
Instruments/Tools	\$1,700
Program Specific Fees	\$990
Resident Tuition and General Student Fees	\$11,520

Total Estimated Cost \$18,103

*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 to fulfill program requirements.
- 2. WR 115W and the PE/Health requirements must be passed with a "C-" or better to fulfill program requirements.
- 3. See course descriptions for prerequisite information.
- 4. For choices in Foundational Skills and Discipline Studies, see AAS degree description.
- 5. Minimum placement score of 68 in Reading, OR completion of RD080, OR RD087 AND EL115, 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
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
Choice of:	4
Science or Computer Science Course	
ET 129 Electrical Theory 1	
CS 120 Concepts of Computing: Information Processing	4
	Winter
AM 244 Engine Performance	12
CG 203 Human Relations at Work	3
Choice of:	4
COMM 100 Basic Communications	
COMM 105 Listening and Critical Thinking	
COMM 218 Interpersonal Communications	
	Spring
AM 242 Automatic Transmissions/Transaxles	12
AM 245 Introduction to Hybrid Vehicles	
(optional elective)	4
AM 280 Cooperative Education: 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

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Job Openings Projected through 2020

Lane County: 21 positions

Statewide: 208 positions

Wages

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Costs (Estimates based on 2015-16 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Books	\$1,025
Differential Fees*	\$2,543
Instruments/Tools	\$1,700
Program Specific Fees	\$970
Resident Tuition and General Student Fees	\$10,264

Total Estimated Cost \$16,502

*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

Standard Occupational Classification: 43-3023.01

Go to the Department of Labor's $\mathsf{O}^*\mathsf{Net}$ 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, 9 students completed this certificate.

The program is designed to take 8 terms, or about 24 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 graduates.

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

Course Requirements

- 1. 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.
- 2. WR 115W and the PE/Health courses must be completed with a Pass or "C-" or better to fulfill program requirements.
- 3. See course descriptions for prerequisite information.
- 4. Minimum placement score of 68 in Reading, OR completion of RD080 OR RD087 AND EL115, OR Prior College. A high school diploma or equivalent is recommended for all applicants to this program.

Fall
12
4
Winter
12
4
Spring
6
6
3
Fall
8
3
4
Winter
12
3
Spring
. 12
3
4

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