



2011 - 2012  
Career and Technical Programs

Lane Aviation Academy  
541.463.4195

lanecc.edu

# Aviation Maintenance Technology

Two-Year Associate of Applied Science Degree  
Two-Year Certificate of Completion

**Purpose** To prepare technicians to repair and maintain the operating condition of aircraft, and qualify for Federal Aviation Administration (FAA) certification exams (written, oral and practical) for the airframe and powerplant airman's certificate.

**Learning Outcomes** The graduate will:

- repair and maintain the operating condition of aircraft.
- pass the FAA written, oral and practical exams for licensing.
- demonstrate and use industry safety standards.
- access library, computing, and communications services and obtain information and data from regional, national, and international networks.
- interpret the concepts of a problem-solving task and translate them into mathematics.

## Employment Trends

- Lane County openings - 20 annually, projected through 2018
- Statewide openings - 100 annually, projected through 2018
- Those with an associate degree have a competitive advantage in this labor market.

## Wages

- Average hourly rate Statewide - \$16-21, median \$25
- Average annual rate Statewide - \$52,783

## Costs in Addition to Tuition (estimates)\*

Books .....	\$500
Tools .....	\$750-1,000
Fees .....	\$1,143
Total .....	\$2,393-2,643

\* Subject to change without notice.

**Admission Information** Contact Advanced Technology Division, or see [lanecc.edu/advtech/AMT/index.htm](http://lanecc.edu/advtech/AMT/index.htm)

**Prerequisites** Exams Required FAA oral, practical, and written certification exams are required.

**Program Approval** The program is approved under Part 147 of the Federal Aviation Regulations of the Federal Aviation Administration.

**Licensing or Other Certification** FAA oral, practical, and written certification exams are required.

**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 Aviation Maintenance Co-op Coordinator and as approved by the FAA Liaison and Return to Service instructor, a maximum of six Co-op credits in AV 280 may be authorized in lieu of the final Return to Service course. Co-op may be taken summer term. Contact Marv Clemons, Aviation Maintenance Co-op Coordinator, Bldg. 8, Rm. 111, 541.463.3158, [clemonsm@lanecc.edu](mailto:clemonsm@lanecc.edu).

## Two-Year Associate of Applied Science Degree

### Required Prior to Beginning of First Year

MTH 076 Applied Geometry for Technicians <sup>*,D,G</sup> or equivalent.....	4
WR 115W Introduction to College Writing: Workplace Emphasis <sup>1,D</sup> or higher writing.....	3

First Year	Fall
AV 192 General 101 <sup>*,D,G</sup> .....	6
AV 193 General 102 <sup>*,D,G</sup> .....	6
Science/Computer Science requirement <sup>1,R</sup> .....	3

Total Credits 15

	Winter
AV 196 General 105 <sup>*,D,G</sup> .....	6
AV 194 General 103 <sup>*,D,G</sup> .....	6
MTH 086 Applied Algebra for Technicians <sup>*,2,D,G</sup> or higher mathematics.....	4
PE/Health requirement <sup>1,3,D,R</sup> .....	3

Total Credits 19

	Spring
AV 279 Airframe (Section 3, and 4) <sup>*,D,G</sup> .....	12
AV 195 General 104 <sup>*,D,G</sup> .....	6

Total Credits 18

# Aviation Maintenance Technology

Second Year		Fall
AV 281 Powerplant (Section 1 and 2) *,D,G .....		12
AV 279 Airframe (Section 1) * .....		6
Total Credits		18

		Winter
AV 281 Powerplant (Section 3 and 4) * .....		12
Arts/Letters requirement <sup>1,R</sup> .....		3
Human Relations requirement <sup>1,R</sup> .....		3
Total Credits		18

		Spring
AV 283 Powerplant Return to Service *,D,G .....		6
AV282 Airframe Return to Service *,D,G .....		6
AV 279 Airframe (Section 2) *,D,G .....		6
Elective AV 280 Co-op Ed: Aviation Maintenance (optional)		
Total Credits		18

## Two-Year Certificate of Completion

### Required Prior to Beginning of First Year

MTH 076 Applied Geometry for Technicians *,D,G or equivalent.....	4
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First Year		Fall
AV 192 General 101 *,D,G.....		6
AV 193 General 102 *,D,G .....		6
WR 115W Introduction to College Writing: Workplace Emphasis <sup>1,D</sup> or higher writing .....		3
PE/Health elective <sup>1,3,D</sup> .....		3
Total Credits		18

		Winter
AV 196 General 105 *,D,G .....		6
AV 194 General 103 *,D,G .....		6
MTH 086 Applied Algebra for Technicians *,2,D,G or higher mathematics.....		4
Total Credits		16

		Spring
AV 279Airframe (Section 3, and 4) *,D,G.....		12
AV 195 General 104 *,D,G .....		6
Total Credits		18

Second Year		Fall
AV 281 Powerplant (Section 1 and 2) *,D,G.....		12
AV 279 Airframe (Section 1).....		6
Total Credits		18

		Winter
AV 281 Powerplant (Section 3 and 4) *,D,G .....		12
Human Relations requirement 1 .....		3
Total Credits		15

		Spring
AV 283 Powerplant Return to Service *,D,G.....		6
AV 282 Airframe Return to Service *,D,G .....		6
AV 279 Airframe (Section 2) *,D,G .....		6
Total Credits		18

- 1 Not required for two-year FAA Airframe and Powerplant airman's certificate exams.
- 2 MTH 065 or MTH 070 or higher mathematics may substitute for MTH 086.
- 3 PE activity courses must be completed over at least 2 terms.

Students interested in completing the FAA Airway Science requirements for two-year institutions should:

#### Substitute:

- WR 121 Introduction to Academic Writing for WR 115W Introduction to College Writing: Workplace Emphasis.
- SP 111 Fundamentals of Public Speaking for Arts/Letters requirement.
- MTH 111 College Algebra for Science/Computer Science requirement.

#### Add:

- WR 227 Technical Writing
- SP 130 Business and Professional Speech
- J 205 Public Relations
- Arts/Letters Elective (3 credits)
- Any 200 level Psychology course (3 credits)
- PH 101 or PH 102 Fundamentals of Physics
- AV 179 General Aviation

#### Standard footnotes:

- \* Prerequisite required  
B Must be passed with grade of "B" or better to use as a prerequisite

- D Degree or certificate requirement; must be passed with grade of "C-" or better  
G Must be taken for a grade, not P/NP; major requirement  
R Required for AAS degree