Program Coordinator Patrick O’Connor, Division Dean of Advanced Technology, 541.463.5710

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 certificate.

Learning Outcomes The student who successfully completes all Aviation Maintenance Technician requirements 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.

Accreditation Aviation Maintenance, approved under Part 147 of the Federal Aviation Regulations of the Federal Aviation Administration

Admission Information Contact Lane Aviation Maintenance Technology: lanec.edu/aviationacademy
Phone: 541.463.4303 Email: amt@lanec.edu

Advising and Counseling Aviation Maintenance Program Advisors are: * Claudia Riumallo: Office: Bldg. 12, Rm. 120A, Phone: 541.463.5378 Email: riumalloc@lanec.edu * Sarah Rick: Bldg. 12, Rm 119B, Phone: 541.463.5292 Email: ricks@lanec.edu Advisor Drop-in hours are updated weekly at: https://classes.lanecc.edu/course/info.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 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 during the summer term. Contact Chuck Fike, Aviation Maintenance Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanec.edu

Job Openings Projected through 2020
Lane County openings - 1 annually
Statewide openings - 46 annually

Graduates may have many opportunities nationally.
Lane County average hourly - $26.76 average annual - $55,666
Oregon average hourly - $28.31; average annual - $58,878

Costs Estimate based on 2017-18 costs. All amounts are subject to change. See the online credit class schedule for the most current information.

| Books | $500 |
| Certification, Licensure, Exams, Physicals | $1,500 |
| Instruments/Tools | $1,000 |
| Program Specific Fees | $2,700 |
| Resident Tuition and General Student Fees | $13,992 |

Total Estimated Cost $19,692

*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Course Requirements

- See course descriptions for prerequisite and corequisite information.
- Graduates may also transfer to a four-year university preparing for a professional degree.
- For choices in Foundational Skills and Discipline Studies, see AAS degree description.
- Foundational Skills (except MTH) and Discipline Studies are not required for two-year FAA Airframe and Powerplant airman’s certificate exams.
- WR 115W Introduction to College Writing: Workplace Emphasis or higher writing is a prerequisite but in any case must be completed before the end of the Second Year.
- WR and PE/Health requirement must be passed with a Pass or ‘C’ or better to fulfill program requirements.
- MTH 085 (or higher math) must be taken no later than the second winter term.
- MTH 075 or equivalent is a prerequisite but in any case must be completed before the end of the first year.
- MTH 060 and 065 or MTH 070 may substitute for MTH 075.
- All AV 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.
- Minimum placement score of 68 in Reading, 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. Procedures for crediting and guidelines for the determination of documented military or field experience are available through application with the FAA liaison.

Prerequisites

| MTH 075 Applied Algebra for Technicians |
| WR 115W Introduction to College Writing: Workplace Emphasis |

Final Return to Service

Students may have many opportunities nationally.
Lane County average hourly - $26.76 average annual - $55,666
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Job Openings Projected through 2020
Lane County openings - 1 annually
Statewide openings - 46 annually

Graduates may have many opportunities nationally.
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Costs Estimate based on 2017-18 costs. All amounts are subject to change. See the online credit class schedule for the most current information.

| Books | $500 |
| Certification, Licensure, Exams, Physicals | $1,500 |
| Instruments/Tools | $1,000 |
| Program Specific Fees | $2,700 |
| Resident Tuition and General Student Fees | $13,992 |

Total Estimated Cost $19,692

*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Course Requirements

- See course descriptions for prerequisite and corequisite information.
- Graduates may also transfer to a four-year university preparing for a professional degree.
- For choices in Foundational Skills and Discipline Studies, see AAS degree description.
- Foundational Skills (except MTH) and Discipline Studies are not required for two-year FAA Airframe and Powerplant airman’s certificate exams.
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Prerequisites

| MTH 075 Applied Algebra for Technicians |
| WR 115W Introduction to College Writing: Workplace Emphasis |
Aviation Maintenance Technician

First Year
AV 192 General 101 .................................................. Fall 6
AV 193 General 102 .................................................. 6
MTH 085 Applied Geometry for Technicians .................. 4
AV 196 General 105 .................................................. Winter 6
AV 194 General 103 .................................................. 6
AV 262 Airframe 2 .................................................. 6
AV 195 General 104 .................................................. Spring 6
AV 263 Airframe 3 .................................................. 6
AV 264 Airframe 4 .................................................. 6

Second Year
AV 271 Powerplant 1 .................................................. Fall 6
AV 272 Powerplant 2 .................................................. 6
AV 273 Powerplant 3 .................................................. Winter 6
AV 274 Powerplant 4 .................................................. 6
Human Relations requirement .................................. 3
Science/Computer Science requirement ..................... 3

Spring
AV 283 Powerplant Return to Service ......................... 6
AV 282 Airframe Return to Service .............................. 6
PE/Health requirement ............................................. 3
Arts and Letters requirement .................................... 3
AV 280 Optional elective Co-op Ed Av Maint .................. 0

Additional Electives
AV 280 Optional elective Co-op Ed Av Maint .................. Spring 0

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Job Openings Projected through 2020
Lane County: 1 positions
Statewide: 46 positions

Graduates may have many opportunities nationally.
Lane County hourly average - $26.76; annual average - $55,666
Oregon hourly average - $28.31; annual average - $58,878

Costs Estimate based on 2017-18 costs and are subject to change. See the online credit class schedule for the most current information.

Books ................................................................. $500
Certification, Licensure, Exams, Physicals ................. $1,500
Instruments/Tools .................................................. $1,000
Program Specific Fees ............................................. $2,700
Resident Tuition and General Student Fees .................. $13,236

Total Estimated Cost: $18,936

*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Gainful Employment Disclosure
49-301100
Standard Occupational Classification: 49-3011.00 Go to the Department of Labor’s O*Net website for a profile of this occupation: Aircraft Mechanics and Service Technicians Onetonline.org/link/summary/49-3011.00 Or check on these O*Net Related Occupations: Aircraft Structural Mechanics, Riggers, Systems Assemblers Onetonline.org/link/summary/49-4061.00 Office Clerks, General office clerks Onetonline.org/link/summary/49-1061.00

In academic year 2014-15, 15 students completed this certificate.
The program is designed to take 8 terms, or about 24 months of study to complete.

Lance 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 completion 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

- See course descriptions for prerequisite and corequisite information.
- All AV 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.
- MTH 060 and 065 or MTH 070 may substitute for MTH 075.
- MTH 075 is a prerequisite, but in any case must be completed before the end of the first year.
- MTH 085 (or higher) must be completed no later than the second winter term.
- WR and PE/Health requirement must be passed with a Pass or 'C-' or better to fulfill program requirements.
- WR 115W is a prerequisite and should be taken before the first year.

Prerequisites
MTH 075 Applied Algebra for Technicians
WR 115W Introduction to College Writing: Workplace Emphasis

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AV 193 General 102</td>
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<tr>
<td>AV 192 General 101</td>
<td>6</td>
</tr>
<tr>
<td>MTH 085 Applied Geometry for Technicians</td>
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Winter

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<td>AV 196 General 105</td>
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<tr>
<td>AV 194 General 103</td>
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<td>AV 262 Airframe 2</td>
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Spring

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<th>Course</th>
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<td>AV 195 General 104</td>
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<tr>
<td>AV 263 Airframe 3</td>
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<tr>
<td>AV 264 Airframe 4</td>
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Second Year

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<th>Course</th>
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<td>AV 271 Powerplant 1</td>
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<tr>
<td>AV 272 Powerplant 2</td>
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<td>AV 261 Airframe 1</td>
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Winter

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<td>AV 274 Powerplant 4</td>
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<td>Human Relations requirement</td>
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Spring

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<td>AV 283 Powerplant Return to Service</td>
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</tr>
<tr>
<td>AV 282 Airframe Return to Service</td>
<td>6</td>
</tr>
<tr>
<td>PE/Health Elective</td>
<td>3</td>
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