



2009-2010
Career and Technical
Programs

Lane Aviation
Academy
(541) 463-4195

Two-Year Associate
of Applied Science
Degree

Flight Technology

Purpose To prepare students for successful careers as pilots in the air transportation industry.

Learning Outcomes The graduate will:

- be certificated by the FAA as commercial pilot with an option for being FAA certified as a Flight Instructor.
- have FAA pilot certification and be legally qualified for an entry-level position in the commercial aviation industry.
- have knowledge and skills to serve in responsible positions in a corporate aviation department.
- be skilled in the use of multiple industry libraries and data base systems and be skilled as a researcher in the aviation industry.
- be skilled in the use of various systems of measure and conversion; be skilled in the use of performance tables and graphs; plot data manually and electronically to determine performance and trends.
- skillfully access a multitude of library accessible resources for applications information and topical research projects; be skilled in the use of local and national libraries and databases.
- accurately use systems of measure, skillfully perform unit conversions, and be skilled in computational analysis defining airplane operational performance; accurately use performance tables, charts and graphs; use interpolation to derive implied values; and be skilled in the use of aviation specific manual and electronic calculators to determine time, rate and trends.

Graduates may also transfer to a four-year university preparing for a professional degree.

Employment Trends Industry leaders are in general agreement that the industry is postured for substantial growth: through the year 2012, and the civil aviation industry is projected to grow by more than fifty-percent. Moreover, trends indicate the industry loses about twenty-percent of its senior pilots every seven years primarily due to retirement.

Wages Flight instructors earn from \$15,000-45,000. Entry-level commercial pilots earn \$25,000 through their probationary period. Air carrier line pilots earn \$45,000-250,000 annually.

Costs in Addition to Tuition (estimates)*

Certificates, flight lab and instruction fees up to \$40,000

FAA Knowledge Exams (five required for degree)	\$500
FAA Physical.....	\$100
Books.....	\$1800
Supplies.....	\$300
Total	\$42,700

* Subject to change without notice.

Program Accreditation All FAA certification courses are approved by the Federal Aviation Administration.

Licensing and Other Certification Exams

Required All FAA certificates require certification testing.

Number of New Students Admitted Annually

New students are admitted in the fall term and the spring term. Typically 40 students maximum are admitted in each of the two terms.

Criteria Used for Admission Current Lane Community College Admissions Information application on file and a Flight Technology Department application on file. Acceptance priority is based on application dates.

Admission Information An information packet may be requested by calling or visiting the Flight Technology Department at 28715 Airport, Eugene, Oregon 97402, (541) 463-4195 or visiting our website at lanecc.edu/flight.htm.

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job 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. Contact Marv Clemons, Flight Technology Co-op Coordinator, Bldg. 8, Rm. 111, (541) 463-3158.

Flight Technology

Program Advisor Betty Svarverud, Bldg. 12, Rm. 203,
(541) 463-5378, svarverudb@lanecc.edu

Program Counselor Carolyn Litty, Bldg. 12, Rm. 202,
(541) 463-5236, littyc@lanecc.edu

Note For FT 239 Professional Pilot Flight Lab a student must have a total of 39 Flight Lab credits to fulfill the AAS Degree requirement.

Prerequisites An applicant should complete the following courses prior to program entry.

Arts and Letters requirement ^R	3
Human Relations requirement ^R	3
WR 121 English Composition: Exposition and Introduction to Argument or higher writing ^{*,D,W}	4
Total Credits	10

First Year	Fall
FT 102 General Aviation Careers ^D	1
FT 103 Aircraft Development ^{*,D,G}	4
FT 130 Primary Flight Briefing ^{*,D,G}	3
FT 239 Professional Pilot Flight Lab ^{*,D}	6
FT 250 Private Pilot Ground School ^{D,G}	5
Total Credits	19

Winter	
FT 239 Professional Pilot Flight Lab ^{*,D}	6
GS 109 Meteorology ^{D,G,S}	5
Choice of:	5
MTH 095 Intermediate Algebra or higher mathematics ^{*,D,M}	
Total Credits	16

Spring	
FT 113 Aviation Science ^{D,G}	4
FT 115 Aircraft Structures and Systems ^{D,G}	3
FT 239 Professional Pilot Flight Lab ^{*,D}	6
FT 251 Commercial Pilot Ground School ^{D,G}	5
Total Credits	18

Second Year	Fall
CS 120 Concepts of Computing ^S or higher computer science	4
FT 239 Professional Pilot Flight Lab ^{*,D}	7
FT 252 Instrument Ground School ^{D,G}	5
Total Credits	16

Winter	
FT 239 Professional Pilot Flight Lab ^{*,D}	7
FT 254 Aerodynamics ^{D,G}	3
FT 256 Flight Instructor–Airplane Ground School ^{D,G}	3
FT 280 Co-op Ed: Flight Technology (optional) ^{D,G}	(3)
Physical Education/Health requirement ^{D, R,1}	3
Total Credits	16-19

	Spring
BA 254 General Aviation Management ^{D,G}	3
FT 228 Multiengine Ground School ^{D,G}	2
FT 239 Professional Pilot Flight Lab ^{*,D}	7
FT 255 Fundamentals and Flight Instructor– Instrument Ground School ^{D,G}	3
Total Credits	15

Additional Ratings:

FT 239 ATP.....	1-6 credits
FT 239 CFIA	1-6 credits
FT 239 CFII.....	1-6 credits
FT 239 MEI.....	1-4 credits
FT 239 Multiengine.....	1-3 credits

1 PE Activity requirement credits must be taken in at least two terms to satisfy degree requirement.

Standard footnotes:

- * Prerequisite required
- A Meets Arts/Letters requirement
- 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

- H Meets Human Relations/Social Science requirement
- M Meets Mathematics requirement
- P Meets PE/Health requirement
- R Required for AAS degree
- S Meets Science/Math/Computer Science requirement
- W Meets Written Communications or English Composition requirement