Lane Community College SM

2016 – 2017
Career Technical Programs

Lane Aviation Academy
541.463.4195

lanecc.edu

Flight Technology

Associate of Applied Science Degree

Program Coordinator Stephen Boulton, Director

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

Learning Outcomes The student who successfully completes all Flight Technology requirements 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.

Accreditation Flight Technology approved by the Federal Aviation Administration. Flight Technology is a Certified Part 141 approved training course.

Licenses/Certificates/Ratings under FAA Part 141 (fewer hours and lower cost than Part 61) are: Private Pilot Course – Airplane Single Engine Land (ASEL), Professional Pilot Course – Commercial and Instrument ASEL, Commercial ASEL,and Instrument Pilot Course.

This program is approved for Veteran benefit certification.

Graduates can qualify for R-ATP (Restricted Airline Transport Pilot) at 1250 hours.

Admission Information Contact Lane Aviation *Academy:*

- *lanecc.edu/aviationacademy*
- *Phone:* 541.463.4195
- Email: *flight@lanecc.edu*

Advising & Counseling Flight Technology Program Advisors are:

- Kali Deno: Phone: 541.463.5292, Email: *denok@lanecc.edu*
- Carolyn Litty: Office: Bldg. 12, Rm. 202, Phone: 541.463.5236, Email: *littyc@lanecc.edu*
- Claudia Riumallo: Office: Bldg. 12, Rm. 203, Phone: 541.463.5378, Email: *riumalloc@lanecc.edu*

Advisor Drop-in hours are updated weekly at:
lanecc.edu/advtech/counselor-and-advisor-drop-hours

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. 19, Rm. 231D, 541.463.3158, *clemonsm@lanecc.edu*

Job Openings Projected through 2020
Lane County openings: 18 annually
Statewide openings: 80 annually
National openings: 10,620+ annually for commercial pilots, aircraft pilots and flight engineers, and airline pilots and copilots

Wages
Flight instructors earn from $15,000-45,000.
Entry-level airline pilots earn $28,000 through their probationary period.
Air carrier line pilots earn $45,000-250,000 annually.

Costs Estimate based on 2015-16 costs and are subject to change.

Books	$1,800
Certification, Licensure, Exams, Physicals	$1,000
Instruments/Tools	$300
Program Specific Fees	$46,675
Resident Tuition and General Student Fees	$11,905
Total Estimated Cost	$61,680

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

Course Requirements

1. Prerequisites are required for some courses. See course descriptions.
2. All GS and FT courses (except FT 102 and FT 239) must be completed with a letter grade, not P/NP, and must be passed with a grade of 'C-' or better to satisfy program requirements.
3. CS 120, FT 102, FT 239, MTH 095 and WR 121 must be completed with a grade of 'Pass' or 'C-' or better.
4. Choices for Arts and Letters and Human Relations requirements are listed on the Associate of Applied Science degree page.
5. For Flight Labs (FT239, FT249) a student must have a total of 39 Flight Lab credits to fulfill the AAS Degree requirement.
6. A VIB (Veterans Information Bulletin) with current program costs is provided in Flight Technology's initial Application Packet . 7-graduates may also transfer to a four-year university preparing for a professional degree.

Prerequisites

An applicant may complete the following courses prior to program entry:

Arts and Letters requirement:	3
Human Relations requirement:	3

First Year	**Fall**
FT 102 General Aviation Careers	1
FT 103 Aircraft Safety Development	4
FT 130 Primary Flight Briefing	3
FT 239 Part 141 Professional Pilot Flight Lab or FT 249 Part 61 Pilot Flight Lab	6
FT 250 Private Pilot Ground School	5

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	Winter
FT 239 Part 141 Professional Pilot Flight Lab or	
FT 249 Part 61 Pilot Flight Lab	6
GS 109 Meteorology	5
MTH 095 Intermediate Algebra or higher mathematics	5
	Spring
Choice of:	4
WR 121 Composition: Introduction to Academic Writing or higher writing	
WR 121_H Composition: Introduction to Academic Writing or higher writing	
FT 115 Aircraft Structures and Systems	3
FT 239 Part 141 Professional Pilot Flight Lab or	
FT 249 Part 61 Pilot Flight Lab	6
FT 251 Commercial Pilot Ground School	4
FT 261 Air Traffic Control and Airspace	1
Second Year	**Fall**
CS 120 Concepts of Computing or higher computer science	4
FT 239 Part 141 Professional Pilot Flight Lab or	
FT 249 Part 61 Pilot Flight Lab	1-7
FT 252 Instrument Ground School	4
FT 262 Aviation Law and Regulations	1
	Winter
FT 239 Part 141 Professional Pilot Flight Lab or	
FT 249 Part 61 Pilot Flight Lab	1-7
FT 254 Aerodynamics	3
FT 256 Flight Instructor-Airplane and Instrument Flight Instructor-Airplane Ground School	3
FT 280 Co-op Ed: Flight Technology (optional)	3
PE/Health requirement	3
	Spring
BA 254 General Aviation Management	3
FT 228 Multiengine Ground School	2
FT 239 Part 141 Professional Pilot Flight Lab or	
FT 249 Part 61 Pilot Flight Lab	1-7
FT 255 Fundamentals of Instruction and Human Factors	3