

	Spring
Human Relations requirement ^R	3
PE 135 Applied Exercise Physiology 1 ^{*,D}	3
PE 280F Co-op Ed: Fitness ^G	1
PE 280RT Co-op Ed: Rehabilitation Therapies ^G	1
PE 295 Injury Prevention and Management ^{*,D}	3
Choice of:	4
SP 100 Basic Communication	
SP 105 Listening and Critical Thinking	
SP 111 Fundamentals of Public Speaking	
SP 218 Interpersonal Communication	
Total Credits	15

1 PE Activity Electives Fitness-related activity courses to be selected from the following list:

- PE 181B Cardio Core Conditioning
 - PE 181C Combination Aerobics
 - PE 181D Dance Aerobics
 - PE 181K Kickboxing Aerobics
 - PE 181S Step Aerobics
 - PE 181SB Body Sculpt
 - PE 181SS Step and Sculpt
 - PE 181Y Yogilates
 - PE 183A Conditioning
 - PE 183B Exercise and Weight Control
 - PE 183C Exercise Walking
 - PE 183CG Group Cycling
 - PE 183E Fitness Circuits
 - PE 183G Fitness Education: Continuing/Returning
 - PE 183J Jogging
 - PE 183R Stability Ball Fitness
 - PE 183S Strength Training
 - PE 183U Strength Training for Women
 - PE 183W Therapeutic Exercise and Rehabilitation Program
 - PE 184K Karate
 - PE 184P Personal Defense
 - PE 185T Tai Chi Chuan
 - PE 185Y or PE 185Z or PE 185YG Yoga
- Students may repeat PE 183G, PE 183W, PE 183S or PE 183U once for credit

2 Directed Electives Courses to be selected from the following list:

- BA 101 Introduction to Business
- BA 226 Business Law
- BA 278 Leadership and Team Dynamics
- BI 101F General Biology - Survey of Biology
- BI 102I General Biology: Human Biology
- BI 112 Cell Biology for Health Occupations (co-requisite CH 112)
- BI 231 Human Anatomy and Physiology 1
- BT 245 Office Management
- CG 140 Career and Life Planning
- CG 202 Life Transitions
- CG 203 Human Relations at Work
- CG 204 Eliminating Self-Defeating Behavior
- CG 206 Coping Skills for Stress and Depression
- CG 216 Understanding Eating Issues
- CH 104 Introductory Chemistry 1
- CH 105 Introductory Chemistry 2
- CH 112 Chemistry for Health Occupations (co requisite BI 112)
- CH 221 General Chemistry 1
- CH 222 General Chemistry 2
- CIS 101 Computer Fundamentals
- CIS 178 Introduction to the Internet
- CS 120 Concepts of Computing: Information Processing
- EL 115 Effective Learning
- EL 115H Effective Learning: Health Science Majors
- FN 230 Family, Food, and Nutrition
- HE 125 Workplace Health and Safety
- HE 152 Drugs, Society and Behavior
- HE 209 Human Sexuality
- HE 250 Personal Health
- HE 255 Global Health
- HO 100 Medical Terminology
- HS 107 Gerontology and Aging
- HS 200 Understanding Addictive Behaviors
- MTH 111 College Algebra
- MTH 112 Trigonometry
- PH 101 Fundamentals of Physics
- PH 102 Fundamentals of Physics

- PSY 110 Exploring Psychology
- PSY 201 General Psychology
- PSY 202 General Psychology
- PSY 239 Introduction to Abnormal Psychology
- SOC 204 Introduction to Sociology
- SOC 207 Women and Work
- SOC 208 Sport and Society
- SP 105 Listening and Critical Thinking
- SP 111 Fundamentals of Public Speaking
- SP 112 Persuasive Speech
- SP 115 Introduction to Intercultural Communication
- SP 130 Business and Professional Speech
- SP 218 Interpersonal Communication
- SPAN 101 Spanish, First Year
- WR 122 Composition: Style and Argument
- WR 123 Composition: Research
- WR 227 Technical Writing
- WS 101 Introduction to Women's Studies

Flight Technology

Offered by the Lane Aviation Academy

Two-Year Associate of Applied Science Degree

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 \$30,000
FAA Knowledge Exams (five required for degree) .	\$450
FAA Physical.....	\$100
Books	\$900
Supplies	\$200
Total	\$31,650

* 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 <http://www.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.

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

Program Counselor Carolyn Litty, Bldg. 12, Rm. 202, (541) 463-5236, litty@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 ^{*,D,W}	4
Total Credits	10

First Year

FT 102 General Aviation Careers	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

FT 239 Professional Pilot Flight Lab ^{*,D}	6
GS 109 Meteorology ^{D,G,S}	5
Choice of:	4-5
MTH 090 Essentials of Algebra ^{*,D,M}	
MTH 095 Intermediate Algebra ^{*,D,M}	
Total Credits	16-17

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	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)
Choice of:	3
HE 252 First Aid ^{D,P}	
Physical Education/Health requirement ^{D,R}	
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 Contact Program Advisor for consent to register for this class.
- 2 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—see page 48
- S Meets Science/Math/Computer Science requirement
- W Meets Written Communications or English Composition requirement