

## Kansas State Polytechnic: College of Technology and Aviation

# Professional Pilot

### Overview

Pilots of today's modern, sophisticated aircraft have to know more than the skills required to take off and land an aircraft. Many rules, regulations, systems functions, avionics, navigation techniques and weather information need to be learned and experienced.

### Professional options

#### Careers

Graduates of K-State's professional pilot bachelor's degree option are qualified commercial pilots equipped to enter corporate aviation, charter flying, regional airlines, aviation management, aviation education and other fields.

### Academics

#### Degree options

The flight training program is FAR 141 approved. The approval allows students to meet the commercial instrument minimum flight-hour requirement in 190 hours instead of 250 hours. Flight training is conducted in Cessna 172s, Beechcraft Bonanzas and Beechcraft Barons. Both standard and full graphics simulators are used for additional training benefit.

The lab times reflected in the pilot courses are minimum times. Significant time commitment is necessary for labs and flight training. Students must possess a current medical certificate issued by an aviation medical examiner prior to starting flight training.

#### Costs

To cover the cost of flight instruction and the use of aircraft, flight training requires additional fees above standard tuition, books and supplies. Students in the pilot program will also need to purchase an Apple iPad, a professional pilot uniform and a personal headset for use on aircraft intercom systems.

#### Points of pride

Kansas State University offers affordable flight and tuition costs compared to other top aviation universities.

### Required coursework

#### Professional Pilot, bachelor's degree option

(124 credit hours)

##### Freshman

Fall semester (17 credit hours)

- 3 AVT 100 Introduction to Aviation
- 3 ENGL 100 Expository Writing I
- 3 MATH 100 College Algebra
- 4 PPIL 111 Private Pilot
- 1 PPIL 113 Private Pilot Flight Lab
- 3 Computer Elective

Spring semester (16 credit hours)

- 3 AVT 242 Aviation Meteorology
- 3 COMM 106 Public Speaking I
- 3 MATH 150 Plane Trigonometry
- 3 PPIL 112 Professional Instrument Pilot
- 1 PPIL 114 Professional Instrument Pilot Flight Lab
- 3 PSYCH 110 General Psychology

##### Sophomore

Fall semester (15 credit hours)

- 3 ENGL 200 Expository Writing II
- 3 MATH 205 General Calculus and Linear Algebra
- 4 PHYS 113 General Physics I
- 3 PPIL 211 Professional Commercial Pilot
- 2 PPIL 212 Professional Commercial Pilot Flight Lab I

Spring semester (17 credit hours)

- 3 AVT 340 Human Factors in Aviation
- 3 AVT 386 Aerodynamics
- 3 ENGL 302 Technical Writing
- 3 PPIL 210 Aviation Safety
- 2 PPIL 213 Professional Commercial Pilot Flight Lab II
- 3 Economics Elective

##### Junior

Fall semester (15 credit hours)

- 6 PPIL 312 Certified Flight Instructor Ground School
- 3 PPIL 325 Advanced Aircraft Systems
- 3 Humanities/social science elective
- 3 Natural Science Elective

Spring semester (14 credit hours)

- 3 BUS 315 Supervisory Management
- 3 PHILO 390 Business Ethics
- 1 PPIL 262 Multi-Engine Ground School
- 1 PPIL 263 Multi-Engine Flight Lab
- 3 Aviation Elective
- 3 Humanities/Social Science Elective

##### Senior

Fall semester (15 credit hours)

- 3 MKTG 400 Introduction to Marketing
- 3 PPIL 387 Crew Resource Management I
- 3 STAT 325 Introduction to Statistics
- 3 Aviation Elective\*
- 3 Aviation Elective\*

Spring semester (15 credit hours)

- 3 AVT 440 Air Carrier Operations
- 3 AVT 445 Aviation Law
- 3 Humanities/Social Science/Business Elective
- 3 Aviation Elective\*

##### Culminating experience

Choose one of the following:

- 3 AVT 497 Senior Project
- 3 PPIL 416 Crew Resource Management II

\* Marked electives must be upper-level courses, 300 and above.

**For more information about  
the professional pilot program,  
contact:**

Kansas State Polytechnic  
Office of Admissions  
2310 Centennial Road  
Salina, KS 67401-8196  
785-826-2640  
polytechnic@k-state.edu

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Post-Graduation Statistics  
[k-state.edu/postgrad-stats](http://k-state.edu/postgrad-stats)  
[ksdegreestats.org](http://ksdegreestats.org)