

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 Natural science elective

Spring semester (17 credit hours)

- 4 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 (16 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
- 1 PPIL 216 Altitude Chamber

Spring semester (17 credit hours)

- 3 AVT 340 Human Factors in Aviation
- 3 AVT 386 Aerodynamics
- 3 ECON 110 Principles of Macroeconomics
- 3 ENGL 302 Technical Writing
- 3 PPIL 210 Aviation Safety
- 2 PPIL 213 Professional Commercial Pilot Flight Lab II

Junior

Fall semester (15 credit hours)

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

Spring semester (16 credit hours)

- 3 BUS 315 Supervisory Management
- 3 ECON 120 Principles of Microeconomics
- 1 PPIL 262 Multi-Engine Ground School
- 1 PPIL 263 Multi-Engine Flight Lab
- 2 PPIL 314 Certified Flight Instructor Flight Lab
- 3 Aviation elective
- 3 Humanities/social science elective

Senior

Fall semester (14 credit hours)

- 3 MKTG 400 Introduction to Marketing
- 3 PPIL 387 Crew Resource Management I
- 1 PPIL 482 CFI Instrument Ground School
- 1 PPIL 483 CFI Instrument Flight Lab
- 3 STAT 325 Introduction to Statistics
- 3 Aviation elective*

Spring semester (12 credit hours)

- 3 AVT 440 Air Carrier Operations
- 3 AVT 445 Aviation Law
- 3 Humanities/social science/business elective

Culminating experience

Choose one of the following:

- 3 AVT 497 Senior Project
- 3 COT 495 Industrial Internship
- 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

**For more information about
Kansas State University, contact:**

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

**KANSAS STATE
UNIVERSITY**

Notice of nondiscrimination

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, or veteran status, in the University's programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University's Title IX Coordinator: the Director of the Office of Institutional Equity, equity@k-state.edu, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506, (785) 532-6220. The campus ADA Coordinator is the Director of Employee Relations, charlott@k-state.edu, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506, (785) 532-6277.

Post-Graduation Statistics
k-state.edu/postgrad-stats
ksdegreestats.org

2017