Points of pride

Kansas State University is one of the first two universities in America to offer a Bachelor of Science option in unmanned aircraft systems. The program uses a hands-on learning approach.

K-State Salina: College of Technology and Aviation
Unmanned Aircraft Systems

Overview
This option of study prepares students for careers in the field of unmanned aircraft systems, or UAS, also known as remotely piloted aircraft. This is a rapidly growing area of aviation and students will be prepared to safely deploy unmanned vehicles in response to emerging challenges and opportunities.

Course work includes foundational courses in aviation flight and maintenance necessary for UAS operation and specific courses designed to enable commercially available payload to platform integration and to enable students to think critically in a rapidly developing technical field.

Students will be prepared for technical and/or entry-level managerial positions and will be required to successfully defend a portfolio of accumulated learning prior to graduation.

Academics
K-State Salina’s proximity to accessible restricted airspace creates an ideal setting for learning to fly unmanned aircraft. The Smoky Hills Weapons Range gives students the ability to gain hands-on flight experience. K-State Salina is also one of only a few universities with authorization to fly unmanned aircraft systems in the National Airspace System.

The mission of the K-State Salina Unmanned Aircraft Systems Program Office, or UASPO, is to facilitate and promote the safe incorporation of Unmanned Aircraft Systems into the National Airspace System above Kansas and beyond. We use our experience operating and maintaining aircraft within the National Airspace System to establish operational guidelines, policies and procedures and provide for operator training for unmanned aerial systems to fly within the state of Kansas.

We also work closely with private contractors, government and government-affiliated agencies to ensure the safe realization of the Kansas UAS concept of operations.

Suggested course work

127 credit hours
Freshman
Fall semester (18 credit hours)
Hrs. Course
3 AVT 100 Introduction to Aviation
4 ECET 100 Basic Electronics
3 ENGL 100 Expository Writing I
3 MATH 100 College Algebra
4 PPIL 111 Private Pilot
1 PPIL 113 Private Pilot Flight Lab

Spring semester (17 credit hours)
Hrs. Courses
4 AVT 242 Aviation Meteorology
3 AVT 270 Introduction to Unmanned Aerial Systems
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

Sophomore
Fall semester (16 credit hours)
Hrs. Courses
3 AVT 317 Composites I
3 AVT 370 Unmanned Aerial Systems I
3 ENGL 200 Expository Writing II
3 MATH 205 General Calculus and Linear Algebra
4 PHYS 113 General Physics I

Spring semester (15 credit hours)
Hrs. Courses
3 AVT 340 Human Factors in Aviation
3 AVT 386 Aerodynamics
3 ECET 101 Direct Current Circuits
3 ENGL 302 Technical Writing
3 PHILO 105 Introduction to Critical Thinking

Junior
Fall semester (15 credit hours)
Hrs. Courses
3 AWM 242 Navigational Aids and Communication Systems for Avionics
3 AVT 327 Avionics Repairs
3 ECON 110 Principles of Macroeconomics
3 PSYCH 110 General Psychology
3 Computer elective

Spring semester (16 credit hours)
Hrs. Courses
3 AVT 460 Unmanned Aerial Systems II
3 BUS 315 Supervisory Management
3 CMST 250 Networking I
4 ECET 110 Semiconductor Electronics
3 MKTG 400 Introduction to Marketing

Senior
Fall semester (15 credit hours)
3 AVT 470 Unmanned Aerial Systems Operations
For more information about
the unmanned aircraft systems
program, contact:
K-State Salina
Office of Admissions
2310 Centennial Road
Salina, KS 67401-8196
785-826-2640
1-800-248-5782
admiss@salina.k-state.edu

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