UNMANNED AIRCRAFT SYSTEMS - MINOR

College of Aeronautics and Engineering
www.kent.edu/cae

About This Program

The Unmanned Aircraft Systems minor introduces students to various types of unmanned aerial systems and their increasing role in today's society. Using a systems engineering perspective, students study roles and applications of unmanned aerial systems and apply their knowledge to the development of sensors, control, communications and flight operations. Students will also become an FAA certificated drone pilot.

Contact Information

- cae@kent.edu | 330-672-2892
- Speak with an Advisor

Program Delivery

- **Delivery:**
  - In person
- **Location:**
  - Kent Campus

Admission Requirements

Admission to a minor is open to students declared in a bachelor's degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

Program Requirements

Minor Requirements

Code	Title	Credit Hours
Minor Requirements		
AERN 25250	ELEMENTS OF AVIATION WEATHER	3
AERN 25800	INTRODUCTION TO UNMANNED AIRCRAFT SYSTEMS	3
AERN 35810	UNMANNED AIRCRAFT SYSTEMS	3
AERN 35830	UNMANNED AIRCRAFT SYSTEMS SENSING AND SENSOR SYSTEMS	3
AERN 35840	UNMANNED AIRCRAFT SYSTEMS COMMAND, CONTROL AND COMMUNICATIONS	3
AERN 45800	UNMANNED AIRCRAFT SYSTEMS FLIGHT OPERATIONS THEORY	4
Minimum Total Credit Hours:		**19**

Graduation Requirements

Minimum Minor GPA	Minimum Overall GPA
2.000	2.000

- Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).

Program Learning Outcomes

Graduates of this program will be able to:

1. Analyze various aspects of unmanned aerial systems operations, including safety, certification, applications, trends, regulations and performance.
2. Analyze the system components of unmanned aerial systems.
3. Determine the communication and control systems necessary for unmanned aerial systems platform operations.