SOUTHERN INDIANA CAREER & TECHNICAL CENTER

Excellence Through Knowledge And Partnerships

Aerial Systems – Drones FAQs

Does my student need any previous experience before taking this class?

No; however, it is helpful if students have taken engineering courses at their home school or during their junior year at the SICTC prior to entering this course. This course is designed to include topics of flight operations, engineering and computer science.

If my student attends this course, should they go to college or straight to the workforce?

College. This course is designed to prepare students to attend a four-year college in the fields of architecture, engineering, construction, or unmanned aerial systems.

How much homework can a student expect from this course?

Given that most of the software and equipment is located within the classroom, students should expect a minimum of two hours a week with the possible maximum of eight hours. The amount of homework depends on the topics being covered in class, assigned projects, and how efficient the student is at using the lab time available during class.

What expenses will I incur? Fees, book rental or purchase, tool costs, etc?

Yes. Please see the below for a typical list of supplies and textbooks that will be required for the class.

- (1) USB flash drive, minimum 4 GB
- (1) 1" three ring binder
- (1-2 pkgs.) 3”x5” note cards (lined or blank)
- Pens and/or pencils
- (1) Index Dividers (8-tabs)
- (1) Pair of non-tinted safety glasses

In addition to the above, students may be required to register and successfully complete the FAA 14 Part 107 Remote Pilot Exam. The cost of the exam is approximately $160.00 per attempt.

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Why does my student need to be a senior to enter this course?

Due to the age restrictions associated with taking and holding a FAA 14 Part 107 Remote Pilot certificate students must by a enrolled as a senior.

Is college dual credit available for this course? If so, is there a cost? How many credit hours is available? Is the college dual credit transferrable to other colleges?

At this time, no college dual credit is offered for this course. We are offering this course as a pilot program for the State of Indiana and dual credit is not part of the course at this time.

Will students participate in a drone racing program?

No. This program is to learn and operate an unmanned aerial vehicle as a commercial operator in industry. The use of first person view (FPV) googles are not allowed with a Visual Observer (VO) in several industries.

Will students fly their unmanned vehicles unsupervised or outside of FAA regulations?

No. The instructor will be designated as the Pilot-In- Charge (PIC) of all flight operations. All operations will adhere to the FAA regulations and restrictions associated with unmanned aerial flight.