

PROGRAMS

PROFESSIONAL PILOT - INSTRUMENT PILOT (C60180IP)

The Aviation Management and Career Pilot Technology curriculum prepares individuals for a variety of aviation and aviation-related careers including the commercial airlines, general aviation, the aerospace industry, the military, unmanned aircraft systems industries, and state and federal aviation organizations.

Course work includes fundamentals of flight, aerodynamics, aircraft performance, meteorology, navigation, federal regulations, aviation management, unmanned aircraft systems, and instrument and commercial ground training, flight and simulator training, and entrepreneurship or business management training.

Graduates may earn a commercial pilot certificate with an instrument rating, specialize in aviation management or in unmanned air systems, and may find employment as commercial, corporate, and military pilots, fixed base operators and airport managers, as pilots or technicians in the unmanned aircraft systems industry, or as flight instructors, and flight dispatchers.

Students in the Aviation Management and Career Pilot Technology program will be required to fly simulator hours during the Air Navigation course and within the Flight-Private Pilot, -Instrument Pilot, -Commercial Pilot and -Certified Flight Instructor courses toward their FAA certification which are required to receive credit for flight courses. There will be a per hour fee for simulator use that will be set by the department.

Certificate Program

| | | Course Hours Per Week | | Semester Hours |
|--|-------------------------------|-----------------------|----------|----------------|
| First Semester (Spring) | | Class | Lab | Credit |
| AER-111 | Aviation Meteorology | 3 | 0 | 3 |
| AER-116 | Private Pilot Flight Simulato | 1 | 2 | 2 |
| AER-151 | Flight-Private Pilot | 0 | 3 | 1 |
| AER-160 | Instrument Flight Theory | 2 | 2 | 3 |
| Credit Hours | | 6 | 7 | 9 |
| Second Semester (Fall) | | | | |
| AER-115 | Flight Simulator | 1 | 3 | 2 |
| AER-161 | Flight-Instrument Pilot | 0 | 6 | 2 |
| AER-215 | Flight Safety | 3 | 0 | 3 |
| Credit Hours | | 4 | 9 | 7 |
| Total Required Minimum Semester Hours Credit | | | | 16 |

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The Instrument Pilot Certificate program will provide the student with the opportunity to qualify for a FAA Instrument Pilot Rating. The student must complete their Private Pilot Certificate and receive credit for AER-151 prior to entering the instrument flight training portion of the certificate program. SCC does

not offer the flight training for the private certificate. Students must go to a FAA approved flight training school and qualify under FAR Part 61 or Part 141 to receive their FAA Private Pilot Certificate.

The flight portion of AER-161 is not offered on campus, however, there is an Advanced Aviation Training Device that the student can train in AER-115 and credit up to 20 instrument flight hours toward their instrument rating. The flight portion of the Instrument Rating must be taken at a Part 61 or Part 141 flight school and the student must receive their FAA Instrument Rating through the flight training and FAA testing and evaluation process.

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