Course Description

ATF2305 | Instrument Pilot Flight | 3.00 credits

This course provides the flight training required to safely conduct flights as an instrument rated pilot. The training is conducted in accordance with FAR Part 141 as outlined in stages 1 through 4 of the Jeppesen Sanderson Instrument/Commercial Syllabus. Upon satisfactory completion of this course and the Federal Aviation Administration (FAA) knowledge and practical exams, the applicant will receive an FAA instrument rating. Minimum approved FAA Part 141 course hours include 35 hours of flight. Prerequisite: FAA Private Pilot Certificate; Corequisite: ATT 2120.

Course Competencies

Competency 1: The student will demonstrate proficiency in instrument flying by:
1. Navigating using various flight instruments
2. Executing standard instrument departures and arrivals
3. Performing precision and non-precision approaches

Competency 2: The student will apply aviation regulations and procedures by:
1. Analyzing federal aviation regulations (FAR) relevant to instrument flight
2. Interpreting air traffic control (ATC) instructions during flight
3. Evaluating weather conditions and their impact on instrument flying

Competency 3: The student will develop skills in flight planning and execution by:
1. Creating detailed flight plans incorporating instrument approaches
2. Utilizing navigational aids and technology for route optimization
3. Conducting pre-flight inspections and safety checks

Competency 4: The student will engage in practical flight training sessions by:
1. Participating in simulator exercises to enhance instrument flying skills
2. Practicing emergency procedures relevant to instrument flight
3. Collaborating with instructors for feedback on flight performance

Learning Outcomes

- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information