



## **FEDERAL AVIATION REGULATIONS (FAR's) INSTRUMENT RATING REQUIREMENTS**

### **AERONAUTICAL KNOWLEDGE, FLIGHT PROFICIENCY, AND AERONAUTICAL EXPERIENCE**

#### **FAR 61.65 (b)          Aeronautical Knowledge**

A person who applies for an instrument rating must have received and logged ground training from an authorized instructor or accomplished a home-study course on the following aeronautical knowledge areas that apply to the instrument rating sought:

1. FAR's of this chapter that apply to flight operations under IFR
2. appropriate information that applies to flight operations under IFR in the "Aeronautical Information Manual"
3. air traffic control system and procedures for instrument flight operations
4. IFR navigation and approaches by use of navigation systems
5. use of IFR en route and instrument approach procedure charts
6. procurement and use of aviation weather reports and forecasts and the elements for forecasting weather trends based on that information and personal observation of weather conditions
7. safe and efficient operation of aircraft under instrument flight rules and conditions
8. recognition of critical weather situations and wind shear avoidance
9. aeronautical decision making and judgment
10. crew resource management including crew communication and coordination

#### **FAR 61.65 (c)          Flight Proficiency**

1. preflight preparation
2. preflight procedures
3. air traffic control clearances and procedures
4. flight by reference to instruments
5. navigation systems
6. instrument approach procedures
7. emergency operations
8. postflight procedures

#### **FAR 61.65 (d)          Aeronautical Experience**

A person who applies for an instrument rating must have logged the following:

- at least 50 hours of cross-country flight time as pilot in command, of which at least 10 hours must be in airplanes for an instrument-airplane rating; and
- a total of 40 hours of actual or simulated instrument time on the areas of operation of this section, to include:

- at least 15 hours of instrument flight training from an authorized instructor in the aircraft category for which the instrument rating is sought;
- at least 3 hours of instrument training that is appropriate to the instrument rating sought from an authorized instructor in preparation for the practical test within the 60 days preceding the date of the test;
- for an instrument-airplane rating, instrument training on cross-country flight procedures specific to airplanes that includes at least one cross-country flight in an airplane that is performed under IFR and consists of:
  - a distance of at least 250 nautical miles along airways or ATC-directed routing;
  - an instrument approach at each airport; and
  - three different kinds of approaches in the use of navigation systems