



**FEDERAL AVIATION REGULATIONS (FAR's)
PRIVATE PILOT REQUIREMENTS**

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

FAR 61.105 (b) Aeronautical Knowledge

1. applicable FAR's of this chapter that relate to private pilot privileges, limitations, and flight operations
2. accident reporting requirements of the National Transportation Safety Board
3. Use of the applicable portions of the Aeronautical Information Manual" and FAA advisory circulars
4. Use of aeronautical charts for VFR navigation using pilotage, dead reckoning, and navigation systems
5. radio communication procedures
6. recognition of critical weather situations from the ground and in flight, windshear avoidance, and the procurement and use of aeronautical weather reports and forecasts
7. safe and efficient operation of aircraft, including collision avoidance, and recognition and avoidance of wake turbulence
8. effects of density altitude on takeoff and climb performance
9. weight and balance computations
10. principles of aerodynamics, powerplants, and aircraft systems
11. stall awareness, spin entry, spins, and spin recovery techniques for the airplane category
12. aeronautical decision making and judgement
13. preflight action that includes (i) how to obtain information on runway lengths at airports of intended use, data on takeoff and landing distances, weather reports and forecasts and fuel requirements, and (ii) how to plan for alternatives if the planned flight cannot be completed or delays are encountered

FAR 61.107 (b) Flight Proficiency

1. preflight preparation
2. preflight procedures
3. airport base operations
4. takeoffs, landings, and go-arounds
5. performance maneuvers
6. ground reference maneuvers
7. navigation
8. slow flight and stalls
9. basic instrument maneuvers
10. emergency operations
11. night operations
12. postflight procedures

FAR 61.109 Aeronautical Experience
40 hours of flight time in a single engine airplane that includes,

- 20 hours of flight instruction including
 - 3 hours of cross country training
 - 3 hours of night flight, with 10 takeoffs & landings, and a 100 nm cross-country
 - 3 hours of flight training on the control and maneuvering of an airplane solely by reference to instruments
 - 3 hours of flight training in preparation for the practical test, within 60 days preceding the practical test

- 10 hours of solo flight time that includes
 - 5 hours of solo cross country flight time, with each flight having a landing more than 50 miles from the original departure point, and one flight of at least 150 nm
 - three takeoffs and landing to a full stop at an airport with an operating control tower