

**Estimated Costs:** \$10,000 – 40 hours of flight instruction+12 hours of ground instruction

## 14 CFR § 61.125 (b) – Aeronautical Knowledge

Requirement	Tasks Completed
§ 61.65 (b)(1) – Federal Aviation Regulations of this chapter that apply to private pilot privileges, limitations, and flight operations	
§ 61.65 (b)(2) – accident reporting requirements of the national transportation safety board	
§ 61.65 (b)(3) – use of applicable portions of the AIM and FAA advisor circulars	
§ 61.65 (b)(4) – use of aeronautical charts for VFR Navigation using pilotage, dead reckoning, and navigational systems	
§ 61.65 (b)(5) – radio communication procedures	
§ 61.65 (b)(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	
§ 61.65 (b)(7) – safe and efficient operations of aircraft, including collision avoidance, and recognition and avoidance of wake turbulence	
§ 61.65 (b)(8) – effects of density altitude on takeoff and climb performance	
§ 61.65 (b)(9) – weight and balance computations	
§ 61.65 (b)(10) – principles of aerodynamics, powerplants, and aircraft systems	
§ 61.65 (b)(11) – stall awareness, spin entry, spins, and spin recovery techniques for the airplane and glider category ratings	
§ 61.65 (b)(12) – aeronautical decision making and judgement	
§ 61.65 (b)(13) – preflight action that includes <ul style="list-style-type: none"> <li>• 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</li> <li>• How to plan for alternatives if the planned flight cannot be completed or delays are encountered</li> </ul>	

# 14 CFR § 61.109 - Aeronautical Experience

Requirement	Logbook Items
§ 61.109 (a) - At least <b>40 hours of flight time</b>	Total time:
§ 61.109 (a) - <b>20 hours of training</b> on the areas of operation listed in § 61.107(b)(1) of this part that includes at least <b>sum 1-4</b>	Total Training:
§ 61.109 (a) Cross country training <b>(1) 3 hours of dual cross-country flight training</b> in a single-engine airplane;	Total XC Training:
§ 61.109 (a) Night training <b>(2) Except as provided in § 61.110 of this part, 3 hours of night flight training</b> in a single-engine airplane that includes <b>Sum i-ii</b>	Total Night Training Hours:
§ 61.109 (a)(2) Night training <b>(i) One cross-country flight of over 100 nautical miles total distance;</b>	Flight:
§ 61.109 (a)(2) Night training <b>(ii) 10 takeoffs and 10 landings to a full stop</b> (with each landing involving a flight in the traffic pattern) at an airport.	Full Stop Takeoff/Landings:
§ 61.109 (a) Simulated Instrument training <b>(3) 3 hours of flight training</b> in a single-engine airplane on the control and maneuvering of an airplane solely by reference to instruments, including straight and level flight, constant airspeed climbs and descents, turns to a heading, recovery from unusual flight attitudes, radio communications, and the use of navigation systems/facilities and radar services appropriate to instrument flight;  <b>Doesn't have to be CFII since training is solely by reference to instruments</b>	Total Sim. Instrument:
§ 61.109 (a) Checkride preparation <b>(4) 3 hours of flight training</b> with an authorized instructor in a single-engine airplane in preparation for the practical test, which must have been performed within the preceding 2 calendar months from the month of the test	Total Training (60 days):
§ 61.109 (a) - <b>10 hours of solo flight training</b> in the areas of operation listed in § 61.107(b)(1) of this part, and the training must include at least -  <b>(5) - 10 hours of solo flight time in a single-engine airplane</b> , consisting of at least -	Total Solo Flight Sum (Items (a)(5)i-iii):

<p><b>§ 61.109 (a)(5)</b> Solo cross-country  <b>(i) 5 hours of solo cross-country time</b></p>	<p><b>Solo XC:</b></p>
<p><b>§ 61.109 (a)(5)</b> Long solo cross-country  <b>(ii) One solo cross country flight of 150 nautical miles total distance, with full-stop landings at three points, and one segment of the flight consisting of a straight-line distance of more than 50 nautical miles</b> between the takeoff and landing locations</p>	<p><b>Flight:</b></p>
<p><b>§ 61.109 (a)(5)</b> Solo towered takeoffs and landings  <b>(iii) Three takeoffs and three landings to a full stop</b> (with each landing involving a flight in the traffic pattern) at <b>an airport with an operating control tower.</b></p>	<p><b>Solo Full Stop Towered Takeoff/Landings:</b></p>