

## § 61.87 Solo Requirements for Student Pilots

REQUIREMENT	LOGBOOK
<b>(b)</b> <i>Aeronautical knowledge.</i>	Name:
(1) <i>The test must address the student pilot's knowledge of—</i> (i) <i>Applicable sections of parts 61 and 91 of this chapter</i> (ii) <i>Airspace rules and procedures for the airport where the solo flight will be performed</i> (iii) <i>Flight characteristics and operational limitations for the make and model of aircraft to be flown</i>	Pre-solo Test:
(2) <i>The student's authorized instructor must—</i> (i) <i>Administer the test</i> (ii) <i>Review all incorrect answers with the student (prior to solo flight)</i>	Pre-solo Test Review:
<b>(c)</b> <i>Pre-solo flight training.</i>	Safe & Proficient:
(1) <i>Received and logged maneuvers and procedures appropriate to the aircraft to be flown</i>	
(2) <i>Demonstrated satisfactory proficiency &amp; safety on maneuvers and procedures required</i>	
<b>(d)</b> <i>Maneuvers and procedures for pre-solo flight training in a single-engine airplane.</i>	Received & Logged:
(1) <b><i>Flight preparation procedures-</i></b> <i>preflight planning/prep, powerplant operation, &amp; aircraft systems</i>	
(2) <i>Taxiing or surface operations, including runups</i>	
(3) <b><i>Takeoffs &amp; landings-</i></b> <i>normal &amp; crosswind</i>	
(4) <b><i>Straight &amp; level flight,</i></b> <i>&amp; turns in both directions</i>	
(5) <b><i>Climbs &amp; climbing turns</i></b>	
(6) <b><i>Airport traffic patterns,</i></b> <i>including entry &amp; departure procedures</i>	
(7) <b><i>Collision avoidance, windshear avoidance, &amp; wake turbulence avoidance</i></b>	
(8) <b><i>Descents,</i></b> <i>with &amp; without turns, using high &amp; low drag configurations</i>	
(9) <i>Flight at various airspeeds from cruise to slow flight</i>	
(10) <b><i>Stall entries-</i></b> <i>various attitudes &amp; power settings; recovery- at first indication &amp; from full stall</i>	
(11) <b><i>Emergency procedures &amp; equipment malfunctions</i></b>	
(12) <b><i>Ground reference maneuvers</i></b>	
(13) <b><i>Approaches to a landing area with simulated engine malfunctions</i></b>	
(14) <b><i>Slips to a landing</i></b>	
(15) <b><i>Go-arounds</i></b>	