



Private Pilot

Eligibility:

- (a) Be at least 17 years of age for a rating in an airplane.
- (b) Be able to read, speak, write, and understand the English language. If the applicant is unable to meet one of these requirements due to medical reasons, then the Administrator may place such operating limitations on that applicant's pilot certificate as are necessary for the safe operation of the aircraft.
- (c) Receive a logbook endorsement from an authorized instructor who:
 - (1) Conducted the training or reviewed the person's home study on the aeronautical knowledge areas listed in § 61.105(b) of this part that apply to the aircraft rating sought; and
 - (2) Certified that the person is prepared for the required knowledge test.
- (d) Pass the required knowledge test on the aeronautical knowledge areas listed in § 61.105(b) of this part.
- (e) Receive flight training and a logbook endorsement from an authorized instructor who:
 - (f) Conducted the training in the areas of operation listed in § 61.107(b) of this part that apply to the aircraft rating sought; and certified that the person is prepared for the required practical test.
 - (g) Meet the aeronautical experience requirements of this part that apply to the aircraft rating sought before applying for the practical test.
 - (h) Pass a practical test on the areas of operation listed in § 61.107(b) of this part that apply to the aircraft rating sought.
 - (i) Comply with the appropriate sections of this part that apply to the aircraft category and class rating sought.
 - (j) Hold a U.S. student pilot certificate, sport pilot certificate, or recreational pilot certificate



Aeronautical Experience:

(a) A person who applies for a private pilot certificate with an airplane category and single-engine class rating must log at least 40 hours of flight time that includes at least 20 hours of flight training from an authorized instructor and 10 hours of solo flight training in the areas of operation listed in § 61.107(b)(1) of this part, and the training must include at least—

(1) 3 hours of cross-country flight training in a single-engine airplane;

(2) Except as provided in § 61.110 of this part, 3 hours of night flight training in a single-engine airplane that includes—

(i) One cross-country flight of over 100 nautical miles total distance; and

(ii) 10 takeoffs and 10 landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport.

(3) 3 hours of flight training 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;

(4) 3 hours of flight training 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; and

(5) 10 hours of solo flight time in a single-engine airplane, consisting of at least—

(i) 5 hours of solo cross-country time;

(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 between the takeoff and landing locations; and

(iii) Three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower.



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Endorsements:

Pre-solo aeronautical knowledge:

I certify that (*First name, MI, Last name*) has satisfactorily completed the pre-solo knowledge exam of section 61.87(b) for the (*make and model aircraft*). [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

Pre-solo flight training:

I certify that (*First name, MI, Last name*) has received the required pre-solo training in a (*make and model aircraft*). I have determined she/he has demonstrated the proficiency of section 61.87 (** Sections d-m as appropriate*) and is proficient to make solo flights in (*make and model aircraft*). [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

**Choose appropriate section for insertion: (d) single-engine land (e) multi-engine land (f) helicopter (g) gyroplane (h) powered-lift (i) glider (j) airship (k) balloon (l) powered parachute (m) weight-shift control aircraft*

Pre-solo flight training at night:

I certify that (*First name, MI, Last name*) has received the required pre-solo training in a (*make and model aircraft*). I have determined she/he has demonstrated the proficiency of section 61.87 (** Sections d-m as appropriate*) and is proficient to make solo flights at night in a (*make and model aircraft*). [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

**Choose appropriate section for insertion: (d) single-engine land (e) multi-engine land (f) helicopter (g) gyroplane (h) powered-lift (i) glider (j) airship (k) balloon (l) powered parachute (m) weight-shift control aircraft*

Solo flight (each additional 90-day period):

I certify that (*First name, MI, Last name*) has received the required training to qualify for solo flying. I have determined she/he meets the applicable requirements of section 61.87(n) and is proficient to make solo flights in (*make and model*). [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010



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Solo takeoffs and landings at another airport within 25 nm:

I certify that (*First name, MI, Last name*) has received the required training of section 61.93(b)(1). I have determined that she/he is proficient to practice solo takeoffs and landings at (*airport name*). The takeoffs and landings at (*airport name*) are subject to the following conditions: (*List any applicable conditions or limitations.*) [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

Initial solo cross-country flight:

I certify that (*First name, MI, Last name*) has received the required solo cross-country training. I find she/he has met the applicable requirements of section 61.93(* *Sections d-m as appropriate*), and is proficient to make solo cross-country flights in a (*make and model aircraft*). [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

**Choose appropriate section for insertion: (e) single-engine land (f) multi-engine land (g) helicopter (h) gyroplane(i) powered-lift (j) glider (k) airship (l) powered parachute (m) weight-shift control aircraft*

Solo cross-country flight:

I have reviewed the cross-country planning of (*First name, MI, Last name*). I find the planning and preparation to be correct to make the solo flight from (*location*) to (*destination*) via(*route of flight*) with landings at (*name the airports*) in a (*make and model aircraft*) on (*date*). (*List any applicable conditions or limitations.*) [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

Repeated solo cross-country flights not more than 50 nm from the point of departure:

I certify that (*First name, MI, Last name*) has received the required training in both directions between and at both (*airport names*). I have determined that she/he is proficient of section 61.93(b)(2) to conduct repeated solo cross-country flights over that route, subject to the following conditions: (*List any applicable conditions or limitations.*) [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010



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Solo flight in Class B airspace:

I certify that (*First name, MI, Last name*) has received the required training of section 61.95(a). I have determined she/he is proficient to conduct solo flights in (*name of Class B*) airspace. (*List any applicable conditions or limitations.*) [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

Solo flight to, from, or at an airport located in Class B airspace:

I certify that (*First name, MI, Last name*) has received the required training of section 61.95(a)(1). I have determined that she/he is proficient to conduct solo flight operations at (*name of airport*). (*List any applicable conditions or limitations.*) [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

Private Pilot Aeronautical Knowledge:

I certify that (*First name, MI, Last name*) has received the required training in accordance with section 61.105 and that she/he is prepared for the Private Pilot Practical Test. [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

Flight proficiency/practical test:

I certify that (*First name, MI, Last name*) has received the required training in accordance with sections 61.107(b) (** Sections 1-10 as appropriate*) and 61.109. I have determined she/he is prepared for the Private Pilot Practical Test. [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

**Choose appropriate section for insertion: (1) single-engine land (2) multi-engine land (3) helicopter (4) gyroplane (5) powered-lift (6) glider (7) airship (8) balloon (9) powered parachute (10) weight-shift control aircraft*

Prerequisites for Practical Tests:

I certify that (*First name, MI, Last name*) has received the training as required by section 61.39(a)(6)(i) within the preceding two calendar months and have determined that he/she is prepared for the Private Pilot practical test. [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010



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Prerequisites for Practical Tests:

I certify that (*First name, MI, Last name*) has demonstrated satisfactory knowledge of subject areas shown to be deficient on his/her Private Pilot Airman's Knowledge Test as required by 61.39(a)(6)(iii). [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

Instrument Pilot

Eligibility/Requirements:

(a) *General.* A person who applies for an instrument rating must:

(1) Hold at least a current private pilot certificate, or be concurrently applying for a private pilot certificate, with an airplane, helicopter, or powered-lift rating appropriate to the instrument rating sought;

(2) Be able to read, speak, write, and understand the English language. If the applicant is unable to meet any of these requirements due to a medical condition, the Administrator may place such operating limitations on the applicant's pilot certificate as are necessary for the safe operation of the aircraft;

(3) Receive and log ground training from an authorized instructor or accomplish a home-study course of training on the aeronautical knowledge areas of paragraph (b) of this section that apply to the instrument rating sought;

(4) Receive a logbook or training record endorsement from an authorized instructor certifying that the person is prepared to take the required knowledge test;

(5) Receive and log training on the areas of operation of paragraph (c) of this section from an authorized instructor in an aircraft, flight simulator, or flight training device that represents an airplane, helicopter, or powered-lift appropriate to the instrument rating sought;

(6) Receive a logbook or training record endorsement from an authorized instructor certifying that the person is prepared to take the required practical test;



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(7) Pass the required knowledge test on the aeronautical knowledge areas of paragraph (b) of this section; however, an applicant is not required to take another knowledge test when that person already holds an instrument rating; and

(8) Pass the required practical test on the areas of operation in paragraph (c) of this section in—

(i) An airplane, helicopter, or powered-lift appropriate to the rating sought; or

(ii) A flight simulator or a flight training device appropriate to the rating sought and for the specific maneuver or instrument approach procedure performed. If an approved flight training device is used for the practical test, the instrument approach procedures conducted in that flight training device are limited to one precision and one nonprecision approach, provided the flight training device is approved for the procedure performed.

(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) Federal Aviation Regulations 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 of 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 windshear avoidance;

(9) Aeronautical decision making and judgment; and

(10) Crew resource management, including crew communication and coordination.



(c) *Flight proficiency.* A person who applies for an instrument rating must receive and log training from an authorized instructor in an aircraft, or in a flight simulator or flight training device, in accordance with paragraph (g) of this section, that includes the following areas of operation:

- (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; and
- (8) Postflight procedures.

(d) *Aeronautical experience for the instrument-airplane rating.* A person who applies for an instrument-airplane rating must have logged:

(1) Except as provided in paragraph (g) of this section, 50 hours of cross-country flight time as pilot in command, of which 10 hours must have been in an airplane; and

(2) Forty hours of actual or simulated instrument time in the areas of operation listed in paragraph (c) of this section, of which 15 hours must have been received from an authorized instructor who holds an instrument-airplane rating, and the instrument time includes:

(i) Three hours of instrument flight training from an authorized instructor in an airplane that is appropriate to the instrument-airplane rating within 2 calendar months before the date of the practical test; and

(ii) Instrument flight training on cross country flight procedures, including one cross country flight in an airplane with an authorized instructor, that is performed under instrument flight rules, when a flight plan has been filed with an air traffic control facility, and that involves—

(A) A flight of 250 nautical miles along airways or by directed routing from an air traffic control facility;



(B) An instrument approach at each airport; and

(C) Three different kinds of approaches with the use of navigation systems.

(e) *Aeronautical experience for the instrument-helicopter rating.* A person who applies for an instrument-helicopter rating must have logged:

(1) Except as provided in paragraph (g) of this section, 50 hours of cross-country flight time as pilot in command, of which 10 hours must have been in a helicopter; and

(2) Forty hours of actual or simulated instrument time in the areas of operation listed under paragraph (c) of this section, of which 15 hours must have been with an authorized instructor who holds an instrument-helicopter rating, and the instrument time includes:

(i) Three hours of instrument flight training from an authorized instructor in a helicopter that is appropriate to the instrument-helicopter rating within 2 calendar months before the date of the practical test; and

(ii) Instrument flight training on cross country flight procedures, including one cross country flight in a helicopter with an authorized instructor that is performed under instrument flight rules and a flight plan has been filed with an air traffic control facility, and involves—

(A) A flight of 100 nautical miles along airways or by directed routing from an air traffic control facility;

(B) An instrument approach at each airport; and

(C) Three different kinds of approaches with the use of navigation systems.

(f) *Aeronautical experience for the instrument-powered-lift rating.* A person who applies for an instrument-powered-lift rating must have logged:

(1) Except as provided in paragraph (g) of this section, 50 hours of cross-country flight time as pilot in command, of which 10 hours must have been in a powered-lift; and

(2) Forty hours of actual or simulated instrument time in the areas of operation listed under paragraph (c) of this section, of which 15 hours must have been received from an authorized instructor who holds an instrument-powered-lift rating, and the instrument time includes:

(i) Three hours of instrument flight training from an authorized instructor in a powered-lift that is appropriate to the instrument-powered-lift rating within 2 calendar months before the date of the practical test; and



(ii) Instrument flight training on cross country flight procedures, including one cross country flight in a powered-lift with an authorized instructor that is performed under instrument flight rules, when a flight plan has been filed with an air traffic control facility, that involves—

(A) A flight of 250 nautical miles along airways or by directed routing from an air traffic control facility;

(B) An instrument approach at each airport; and

(C) Three different kinds of approaches with the use of navigation systems.

(g) An applicant for a combined private pilot certificate with an instrument rating may satisfy the cross-country flight time requirements of this section by crediting:

(1) For an instrument-airplane rating or an instrument-powered-lift rating, up to 45 hours of cross-country flight time performing the duties of pilot in command with an authorized instructor; or

(2) For an instrument-helicopter rating, up to 47 hours of cross-country flight time performing the duties of pilot in command with an authorized instructor.

(h) *Use of flight simulators or flight training devices.* If the instrument time was provided by an authorized instructor in a flight simulator or flight training device—

(1) A maximum of 30 hours may be performed in that flight simulator or flight training device if the instrument time was completed in accordance with part 142 of this chapter; or

(2) A maximum of 20 hours may be performed in that flight simulator or flight training device if the instrument time was not completed in accordance with part 142 of this chapter.

(i) *Use of an aviation training device.* A maximum of 10 hours of instrument time received in an aviation training device may be credited for the instrument time requirements of this section if—

(1) The device is approved and authorized by the FAA;

(2) An authorized instructor provides the instrument time in the device;

(3) No more than 10 hours of instrument time in a flight simulator or flight training device was credited for the instrument time requirements of this section;

(4) A view-limiting device was worn by the applicant when logging instrument time in the device; and



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(5) The FAA approved the instrument training and instrument tasks performed in the device

Endorsements:

Aeronautical knowledge test:

I certify that (First name, MI, Last name) has received the required training of section 61.65(b). I have determined that He/She is prepared for the Instrument Pilot Rating knowledge test. [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

Aeronautical Knowledge/Flight proficiency/practical test:

I certify that (First name, MI, Last name) has received the required training of section 61.65(b)(c) and (d). I have determined He/She is prepared for the Instrument—(airplane, helicopter, or powered-lift) practical test. [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010



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Prerequisites for Practical Tests:

I certify that (*First name, MI, Last name*) has received the training as required by section 61.39(a)(6)(i) within the preceding two calendar months and have determined that he/she is prepared for the Instrument Pilot practical test. [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010

Prerequisites for Practical Tests:

I certify that (*First name, MI, Last name*) has demonstrated satisfactory knowledge of subject areas shown to be deficient on his/her Instrument Pilot Airman's Knowledge Test as required by 61.39(a)(6)(iii).. [DATE] Instructor Name, 1234567CFI, Exp. 12/31/2010