

SUBPART 141F

Flight Instructor Certification Course

TSH141F.71 Applicability:

This appendix prescribes the minimum curriculum for a flight instructor certification course and an additional flight instructor-rating course required under this Part, for the following ratings:

- (a) Airplane single-engine.
- (b) Airplane multiengine.
- (c) Helicopter.
- (d) Glider and/or Motor Glider category.

TSH141F.73 Eligibility for enrollment:

A person must hold the following prior to enrolling in the flight portion of the flight instructor or additional flight instructor-rating course:

- (a) A commercial pilot licence or an airline transport pilot licence, with an aircraft category and class rating appropriate to the flight instructor rating for which the course applies; and
- (b) An instrument rating or privilege in an aircraft that is appropriate to the aircraft category and class rating for which the course applies, if the course is for a flight instructor airplane instrument rating.

TSH141F.75 Aeronautical knowledge training:

- (a) Each approved course must include at least the following ground training in the aeronautical knowledge areas listed in paragraph (b) of this section:
 - (1) 40 hours of training if the course is for an initial issuance of a flight instructor certificate; or
 - (2) 20 hours of training if the course is for an additional flight instructor rating.
- (b) Ground training must include the following aeronautical knowledge areas:
 - (1) The fundamentals of instructing including -
 - (i) The learning process;
 - (ii) Elements of effective teaching;
 - (iii) Student evaluation and testing;
 - (iv) Course development;
 - (v) Lesson planning; and
 - (vi) Classroom training techniques.
 - (2) The aeronautical knowledge areas in which training is required for -
 - (i) A student, private, and commercial pilot licence that is appropriate to the aircraft category and class rating for which the course applies; and
 - (ii) An instrument rating that is appropriate to the aircraft category and class rating for which the course applies, if the course is for an airplane rating.

TSH141F.77 Flight training:

- (a) Each approved course must include at least the following flight training on the approved areas of operation of paragraph (c) of this section appropriate to the flight instructor rating for which the course applies:
 - (1) 25 hours, if the course is for an airplane, rating; and
 - (2) 10 hours, which must include 10 flights, if the course is for a glider and/or motor glider category rating.
- (b) For the use of flight simulators or flight training devices:
 - (1) The course may include training in a flight simulator or flight training device, provided it is representative of the aircraft for which the course is approved, meets the requirements of this paragraph, and the training is given by an authorized instructor.
 - (2) Training in a flight simulator that meets the requirements of 141.41(a) of this Part, may be credited for a maximum of 10 percent of the total flight training hour requirements of the approved course, or of this section, whichever is less.
 - (3) Training in a flight training device that meets the requirements of 141.41(b) of this Part, may be credited for a maximum of 5 percent of the total flight training hour requirements of the approved course, or of this section, whichever is less.

- (4) Training in flight simulators or flight training devices described in paragraphs (b)(2) and (b)(3) of this section, if used in combination, may be credited for a maximum of 10 percent of the total flight training hour requirements of the approved course, or of this section, whichever is less. However, credit for training in a flight-training device that meets the requirements of § 141.41(b) cannot exceed the limitation provided for in paragraph (b)(3) of this section.
- (c) Each approved course must include flight training on the approved areas of operation listed in this paragraph that are appropriate to the aircraft category and class rating for which the course applies -
- (1) For an airplane -- single-engine course:
 - (i) Fundamentals of instructing;
 - (ii) Technical subject areas;
 - (iii) Preflight preparation;
 - (iv) Preflight lesson on a maneuver to be performed in flight;
 - (v) Preflight procedures;
 - (vi) Airport and seaplane base operations;
 - (vii) Takeoffs, landings, and go-arounds;
 - (viii) Fundamentals of flight;
 - (ix) Performance maneuvers;
 - (x) Ground reference maneuvers;
 - (xi) Slow flight, stalls, and spins;
 - (xii) Basic instrument maneuvers;
 - (xiii) Emergency operations; and
 - (xiv) Postflight procedures.
 - (2) For an airplane -- multiengine course:
 - (i) Fundamentals of instructing;
 - (ii) Technical subject areas;
 - (iii) Preflight preparation;
 - (iv) Preflight lesson on a maneuver to be performed in flight;
 - (v) Preflight procedures;
 - (vi) Airport and seaplane base operations;
 - (vii) Takeoffs, landings, and go-arounds;
 - (viii) Fundamentals of flight;
 - (ix) Performance maneuvers;
 - (x) Ground reference maneuvers;
 - (xi) Slow flight and stalls;
 - (xii) Basic instrument maneuvers;
 - (xiii) Emergency operations;
 - (xiv) Multiengine operations; and
 - (xv) Postflight procedures.
 - (3) For a helicopter course:
 - (i) Fundamentals of instructing;
 - (ii) Technical subject areas;
 - (iii) Preflight preparation;
 - (iv) Preflight lesson on a maneuver to be performed in flight;
 - (v) Preflight procedures;
 - (vi) Airport and heliport operations;
 - (vii) Hovering maneuvers;
 - (viii) Takeoffs, landings, and go-arounds;
 - (ix) Fundamentals of flight;
 - (x) Performance maneuvers;
 - (xi) Emergency operations;
 - (xii) Special operations; and
 - (xiii) Postflight procedures.
 - (5) For a glider and/or Motor Glider course:
 - (i) Fundamentals of instructing;
 - (ii) Technical subject areas;
 - (iii) Preflight preparation;
 - (iv) Preflight lesson on a maneuver to be performed in flight;
 - (v) Preflight procedures;

- (vi) Airport and glider port operations;
- (vii) Tows or launches, landings, and go-arounds, if applicable;
- (viii) Fundamentals of flight;
- (ix) Performance speeds;
- (x) Soaring techniques;
- (xi) Performance maneuvers;
- (xii) Slow flight, stalls, and spins;
- (xiii) Emergency operations; and
- (xiv) Postflight procedures.

TSH141F.79 Stage checks and end-of-course tests :

- (a) Each student enrolled in a flight instructor course must satisfactorily accomplish the stage checks and end-of-course tests, in accordance with the school's approved training course, consisting of the appropriate approved areas of operation listed in paragraph (c) of section No. 4 of this appendix appropriate to the flight instructor rating for which the course applies.
- (b) In the case of a student who is enrolled in a flight instructor-airplane rating or flight instructor-glider and/or motor glider rating course, that student must have:
 - (1) Received a logbook endorsement from a certificated flight instructor certifying the student received ground and flight training on stall awareness, spin entry, spins, and spin recovery procedures in an aircraft that is certificated for spins and is appropriate to the rating sought; and
 - (2) Demonstrated instructional proficiency in stall awareness, spin entry, spins, and spin recovery procedures.