



CPL (A) /IR Integrated Course Structure

A. The Flying Instruction is divided into Four Phases:

Phase 1

1. Exercises up to the first solo flight comprise a total of at least 10 hours dual flight instruction on a single-engine Airplane including:
 - (a) Pre-flight operations, mass and balance determination, Airplane inspection and servicing;
 - (b) Aerodrome and traffic pattern operations, collision avoidance and precautions;
 - (c) Control of the Airplane by external visual references;
 - (d) Normal take-offs and landings;
 - (e) Flight at critically slow airspeeds, recognition of and recovery from incipient and full stalls, spin avoidance; and
 - (f) Unusual attitudes and simulated engine failure.

Phase 2

2. Exercises up to the first solo cross-country flight comprise a total of at least 10 hours of dual flight instruction and at least 10 hours solo flight including:
 - (a) Maximum performance (short field and obstacle clearance) take-offs, short-field landings;
 - (b) Flight by reference solely to instruments, including the completion of a 180° turn;
 - (c) Dual cross-country flying using external visual references, dead-reckoning and radio navigation aids, diversion procedures;
 - (d) Aerodrome and traffic pattern operations at different aerodromes;
 - (e) Crosswind take-offs and landings;
 - (f) Abnormal and emergency operations and maneuvers, including simulated Airplane equipment malfunctions;
 - (g) Operations to, from and transiting controlled aerodromes, compliance with air traffic services procedures, radio telephony procedures and phraseology; and
 - (h) Knowledge of meteorological briefing arrangements, evaluation of weather conditions for flight and use of Aeronautical Information Services (AIS).



Phase 3

3. Exercises up to the VFR navigation progress test comprise a total of at least 5 hours of instruction and at least 40 hours as pilot-in-command.
4. The dual instruction and testing up to the VFR navigation progress test and the skill test shall contain the following:
 - (a) Repetition of exercises of Phases 1 and 2;
 - (b) VFR flight at relatively critical high airspeeds, recognition of and recovery from spiral dives;
 - (c) VFR navigation progress test conducted by a flight instructor not connected with the applicant's training;

Phase 4

5. Exercises up to the instrument rating skill test comprise:
 - (a) At least 55 hours instrument time, which may contain up to 25 hours of instrument ground time in an FNPT I or up to 40 hours in an FNPT II or flight simulator which shall be conducted by a flight instructor and/or an authorized synthetic flight instructor, and;
 - (b) 50 hours instrument time flown as SPIC;
 - (c) Night flight including take-offs and landings as pilot-in-command;
 - (d) Pre-flight procedures for IFR flights, including the use of the flight manual and appropriate air traffic services documents in the preparation of an IFR flight plan;
 - (e) Procedures and maneuvers for IFR operation under normal, abnormal and emergency conditions covering at least:
 - (1) Transition from visual to instrument flight on take-off.
 - (2) Standard instrument departures and arrivals.
 - (3) En route IFR procedures.
 - (4) Holding procedures.
 - (5) Instrument approaches to specified minima.
 - (6) Missed approach procedures.
 - (7) Landings from instrument approaches, including circling;



- (f) In flight maneuvers and particular flight characteristics; and
- (g) Operation of either a single-engine or a multi-engine Airplane in the exercises of 5(e), including in the case of a multi-engine Airplane, operation of the Airplane solely by reference to instruments with one engine simulated inoperative and engine shut down and restart; (the latter exercise at a safe altitude unless carried out in a synthetic training device).

B. JCAR FCL Training Requirements

1. Theoretical Knowledge. At least (500) Hrs of instruction

2. Flight experience.

- (a) At least 180 Hrs flight time that includes at least:
 - (1) 80 Hrs dual instruction flight
 - (2) 70 Hrs as pilot in command including VFR flight and instrument flight time as student pilot-in-command
- (b) Of which, at least:
 - (1) 50 Hrs cross country flight as pilot in command including VFR cross-country flight
 - (2) 5 Hrs night flying of which, 3 Hrs dual flight, 2 Hrs solo, 5 solo take off, and 5 full stop landing
 - (3) 100 Hrs of instrument time comprising at least:
 - 50 Hrs instrument instruction time:
 - **First option.** 25 Hrs on airplane, and 25 Hrs on FNPT I, or
 - **Second option.** 10 Hrs on airplane, and 40 Hrs on FNPT II or flight simulator
 - 20 Hrs a SPIC
 - (4) 5 Hrs to be carried out in an airplane certificated for the carriage of at least four persons and have a variable pitch propeller and retractable landing gear

Note: Maximum 40 Hrs may be instrument ground time



Flight Operations Standards Department
Flight Crew Licensing & Training Section - Flying Training Organizations
CPL (A) /IR Integrated Course Structure
AMC JCAR-FCL 1.160 & 1.165(a) (2)

- (c) VFR navigation progress test
- (d) JCAR-CPL (A) Theoretical knowledge examination
- (e) JCAR-IR (A) Theoretical knowledge examination
- (f) Instrument rating on SE / ME
- (g) CPL (A) Skill Test Single Engine / Multi Engine