

Chief Instructor or his designee to determine that the student has gained the necessary flight skills and knowledge to continue on to stage II of the training. It consists of a 1-hour question and answer period followed by a 1.5-hour observation flight.

Stage II: During stage II you will continue to increase your proficiency and skill level while learning about IFR cross-country navigation and terminal approach procedures. You will learn how to plan and execute an IFR cross-country flight including departure procedures, arrival procedures, and instrument approach procedures. These procedures will be introduced during simulator sessions and practiced in the aircraft with your instructor. The training standards to be met can be found in the instrument training syllabus and the FAA Instrument Rating Practical Test Standards. There will be approximately 9 hours of 1 on 1 ground training during this stage of the course covering such topics as cross-country planning, weather, departure and enroute procedures, arrival, and instrument approach procedures.

Stage II Progress Check: At the completion of stage II you will take the stage II progress check. This is an observation flight conducted by the Chief Instructor or his designee to determine that the student meets the FAA Instrument Rating Practical Test Standards and is ready to take the Practical Test. It consists of a 1-hour question and answer period followed by a 2-hour observation flight.

FAA Instrument Knowledge Examination: Prior to starting stage II of instrument training you will be required to successfully complete the FAA Instrument Rating Knowledge Examination. This is a computerized test consisting of 60 questions to be answered over a 2.5-hour period. Successful completion of this test is required in order to take the practical test. The examination can be taken at the CATS Testing Center located at Sonoran Wings. Practice knowledge examinations can be taken at Sonoran Wings Flight Training Centre on our testing computer. You must pass 3 examinations in a row with a score of 80% or higher to earn the endorsement for the actual FAA examination.

FAA Practical Test: The FAA Practical Test is the final examination leading to your Instrument Rating. The examination is conducted by an FAA Designated Pilot Examiner (DPE) and consists of 2 parts. The first part is an oral examination, which covers the subjects listed in Areas I and II of the Practical Test Standards. This part of the test takes approximately 1 hour. The second part of the examination is the flight test and covers the applicable parts of Areas III-VIII of the Practical Test Standards. The flight test takes approximately 1.5 hours. Upon successful completion of the Practical Test you will receive a pilot certificate with your new instrument rating added.

Instrument Rating Training Process



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Instrument Rating Training Process

Instrument Rating Course Description: The Instrument Rating builds a new set of skills that gives the pilot much greater flexibility and increased confidence. It is conducted in 2 stages and consists of a minimum of 40 hours of instrument time (actual or simulated), which may include up to 20 hours of simulator time and must include 15 hours of dual instruction in an aircraft with a qualified Instrument Instructor. The flight time also includes a 250 NM instrument cross-country with 3 different approaches at 3 different airports. Ground training is done 1 on 1 with your instructor and consists of approximately 22 hours of training. In addition, you must pass the FAA Instrument Rating Knowledge Examination and the FAA Instrument Rating Practical Test. The required training materials are available separately or as a kit at Sonoran Wings.

Training Prerequisites: Prior to starting Instrument training the student must hold a Private or Commercial Pilot's Certificate and have at least a third class medical certificate. 50 hours of pilot in command cross-country flight time is also required, however, since cross-country is flown during the training, approximately 47.5 hours of pilot in command cross-country time is acceptable.

Stage I: During stage I you will learn the basic skills required to become a confident and proficient instrument pilot. Your training will concentrate on basic attitude instrument flying, VOR, NDB, GPS orientation, interception and tracking. Intensive use of the simulator

will introduce the student to instrument scanning, interpretation, and aircraft control. The simulator lessons will be reinforced by practice in the aircraft with your instructor. The training standards to be met can be found in the instrument training syllabus and the FAA Instrument Rating Practical Test Standards. There will be approximately 13 hours of 1 on 1 ground training during this stage of the course covering such topics as the FAR's, pitot static instruments, gyroscopic instruments, magnetic compass, navigation and tracking principles, the air traffic control system, pilot/controller responsibilities, and holding procedures.

Stage I Progress Check: At the completion of stage I you will take the stage I progress check. This is an observation flight conducted by the

