

COURSE OBJECTIVE

To restore and enhance the pilot's knowledge, skill and aeronautical decision making necessary for the safe and efficient operation of a multi-engine piston airplane in a single-pilot IFR environment.

PREREQUISITES

Private Pilot – Airplane certification (or higher) with Multi-Engine and Instrument privileges. Reasonable IFR proficiency is required in order to complete the course in the allotted time.

COMPLETION STANDARDS

Completion of all curriculum segments. Pilots seeking an Instrument Proficiency Check (IPC) are required to perform to the standards given in the current Instrument Rating – Airplane *Practical Test Standard*. Flight review credit is earned in accordance with the FAA Wings guidelines.



- *A fun and rewarding way to reclaim your proficiency and confidence*
- *Plan and execute a full IFR flight requiring critical decision making and problem solving.*
- *Gain proficiency in the use of GPS and the Garmin®GNS430.*
- *Customize your course by selecting electives that are relevant to your areas of interest.*
- *Optional ½ day segment available for combined Flight Review credit and Instrument Proficiency Check.*

Avia's **Multi-Engine Piston Instrument Refresher (MEPIR)** is a challenging and rewarding program that will help you regain confidence and proficiency in both normal and emergency operations. Our intensive two-day curriculum has been carefully developed to go beyond conventional training by exploring operationally relevant topics in a real world context...and in a creative and enjoyable environment. No boring lecturers or canned, "one-size-fits-all" presentations. No repetitive and predictable maneuvers-based training. Instead, be prepared to face realistic challenges that will not only hone your technical proficiency, but more importantly, your aeronautical decision making. After all, who says effective simulator training can't be fun?



OPTIONS

- IPC
- Flight Review

Requires additional ½ day for completion.

ELECTIVES

½ HOUR

- Thunderstorms
- Icing
- Airport Operations
- CFIT
- International Ops
- Preflight Considerations
- Declaring an Emergency
- Fun with Airspace
- ATC – Say What?
- IAPs with a Twist

1 HOUR

- GPS Approaches
- IFR Chart Review
- Airspace Review

COURSE FEE

\$1,275.00

Add \$250 for IPC/Flight Review in owner's aircraft.
Use of AVIA's aircraft available at additional cost.

DAY 1				
SEGMENT	SUBJECT	DURATION		TOPICS
GND			SIM A/C	
GROUND	INTRODUCTION	0.5		ENROLLMENT PRE-REQUISITES COURSE OVERVIEW
GROUND	FLIGHT DISCIPLINE	1.5		AERONAUTICAL DECISION MAKING FOUNDATIONS PRINCIPLES OF CRM THREAT AND ERROR MANAGEMENT RISK MANAGEMENT CASE STUDY
GROUND	MULTI-ENG THEORY AND OPERATIONS	1.5		OEI AERODYNAMICS REVIEW AND OPERATIONS VMC VYSE CONTROL VS PERFORMANCE OEI PROCEDURES STALL/SPIN TAKEOFF PLANNING CONSIDERATIONS CASE STUDY
BRIEF	PRE-BRIEF	0.5		
----- BREAK -----				
SIM-1	SIM ORIENTATION	1.5		COCKPIT/AVIONICS FAMILIARIZATION NORMAL TAKEOFF & LANDING SLOW FLIGHT STALLS & STALL RECOVERY PROCEDURES STEEP TURNS PITCH/POWER SETTINGS (IMC) AUTOPILOT/FLIGHT DIRECTOR OPERATION HOLDING INSTRUMENT APPROACH PROCEDURES
SIM-2	OEI PROCEDURES & IAPs	1.0		ENGINE FAILURES (MULTIPLE) VMC RECOVERY PROCEDURES OEI INSTRUMENT APPROACH PROCEDURES
DE-BRIEF	PRE-BRIEF	1.0		

DAY 2

SEGMENT	SUBJECT	DURATION		TOPICS
		GND	SIM A/C	
GROUND	IFR REG REVIEW	0.5		14 CFR 61 & 91 (INSTRUMENT FLIGHT RULES)
BRIEF	PRE-BRIEF	0.5		
SIM-3	IFR PROFICIENCY		2.0	IFR CLEARANCES IMC TAKEOFF EMERGENCY/ABNORMAL HOLDING ENROUTE PROCEDURES INSTRUMENT APPROACH PROCEDURES LOST COMMUNICATIONS
GROUND	ELECTIVE	1.0		ELECTIVE
----- BREAK -----				
BRIEF	PRE-BRIEF	1.0		
SIM-4	LOFT		2.5	LOFT
BRIEF	DE-BRIEF	1.0		
COURSE TOTALS		9.0	7.5	

DAY 3 (OPTIONAL – ONLY REQUIRED FOR IPC/FLIGHT REVIEW)

SEGMENT	SUBJECT	GND	A/C	TOPICS
GROUND	BRIEF	1.0		TASKS TO BE PERFORMED AIRCRAFT OPERATING PROCEDURES LOCAL OPERATIONS SAFETY CONSIDERATIONS
ACFT-1	IPC/FLIGHT REV		2.0	NORMAL & CROSSWIND TAKEOFF UNUSUAL ATTITUDES NON PREC APP (PARTIAL PANEL) NORMAL APPROACH & LANDING OEI APPROACH PROCEDURE CIRCLING APPROACH PROCEDURE LANDING FM A STRGT-IN/CIRC APPROACH OEI LANDING ENGINE FAILURE BEFORE VMC (GROUND) SHORT FIELD APPROACH & LANDING
GROUND	DE-BRIEF	1.0		ACFT-1 SESSION & COURSE DE-BRIEF DOCUMENTATION