MULTI ENGINE COMMAND INSTRUMENT RATING (MECIR)

MORE AIRCRAFT, MORE CONDITIONS - AN ESSENTIAL STEP IN YOUR CAREER

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#TheSkyIsCalling

AN IMPORTANT STEP IN YOUR AVIATION CAREER

A **MECIR (Multi-Engine Command Instrument Rating)** is an essential step in any successful pilot's professional career. It allows you to pilot aircraft with more than one engine, and most importantly, it provides you with the flexibility and skills to depart and arrive at aerodromes safely when the weather is marginal or after dark.

Our MECIR course follows the CASA syllabus and includes **a mix of training in twin-engine aircraft including the Piper Seminole and Diamond DA42, as well as our state-of-the-art Alsim AL42 full cockpit synthetic trainer**. You will learn how to fly using your instrumentation rather than visual cues outside the aircraft, as well as advanced ATC communication and arrival and departure procedures for a range of different airspace types.

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FLY MORE AIRCRAFT, IN MORE CONDITIONS

The MECIR is especially valuable for those looking at eventually entering the airline industry. For many career pathways, holding this qualification is essential. **The added skillset is crucial to your development as a pilot, and being able to fly more aircraft in more conditions allows you to build flying hours far faster.**

To commence MECIR (Multi-Engine Command Instrument Rating) training, you need to hold a PPL or CPL. If you have no prior multi-engine experience, we offer a Multi-Engine Class Rating + MECIR package.

We also offer the AVI50519 Diploma of Aviation (Instrument Rating) course, which follows MECIR syllabus.

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TRAINING PROCESS & COURSE SYLLABUS

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MECIR - COURSE PROCESS

1 — Multi-Engine Training*
Flight and simulator training for pilots who have not trained in a multi-engine aircraft before

2 — IREX Theory Course
Online or classroom theory course covering CASA syllabus in preparation for the IREX exam

3 — CASA IREX Exam
3.5hr CASA Instrument Rating Examination, must be passed before starting MECIR training

4 — Simulator Instrument Training
Instrument training in our state-of-the-art Alsim AL42 (DA42) full cockpit simulator

5 — Practical Aircraft Training
Consolidation of theory and simulator instrument training in real aircraft nav exercises

6 — Pre-Licence Theory & Flight
Evaluation of IFR theory knowledge and practical instrument flying skills before practice flight test

7 — MECIR Flight Test
The flight test is a navigational flight with a CASA testing officer demonstrating all of your skills

*Only required if pilots have not completed prior multi-engine training

MECIR - COURSE SYLLABUS

Multi-Engine Training (if required)

Completed in both the simulator and aircraft. Training will include handling a multi-engine aircraft, handling the aircraft in an asymmetric situation (flying on one engine), and navigation.

IREX Theory

Theory lessons are conducted using CASA IREX syllabus. Topics include the principles of operation, accuracy and limitations of navigation aids, aircraft systems, human factors and meteorology.

IREX Exam

The IREX exam is a 3.5 hour single paper exam presented in a multiple-choice question format, covering IREX theory topics. A 70% pass mark is required to proceed with MECIR training.

Simulator Instrument Training

You begin in our Alsim AL42 simulator, learning about instrument flying and procedures. This allows you to learn in a pressure-free environment, without weather and traffic factors.

Practical Aircraft Instrument Training

Following your sim training, you will apply everything you have learnt in a real aircraft through a series of planned navigation exercises with varying procedures, locations and scenarios.

Pre-Licence Theory & Flight

Before a pre-licence practice test flight, you will be evaluated on your Instrument Flight Rating theory knowledge, including revision of a Knowledge Deficiency Report (KDR) with your instructor.

MECIR - COURSE DURATION

FULL TIME 2-4 MONTHS

Flying and studying 4-5 days per week

PART TIME 6-12 MONTHS

Flying and studying 1-2 days per week

*Average duration based on past students. Course duration will depend entirely on individual student time committment.

AIRCRAFT SELECTION

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DA40

Diamond Aircraft

Continental CD-135 Engine/Lycoming IO-360

Garmin G500 or Garmin G1000 Avionics

Maximum Take-Off Weight (MTOW) 1150/1200kgs

Cruising Speed 130kts

4 Seater

172 SKYHAWK

Cessna

Lycoming IO-360-L2A Engine

Garmin G430 Avionics + Analogue Instruments

Maximum Take-Off Weight (MTOW) 1100kgs

Cruising Speed 122kts

4 Seater

DA42

Diamond Aircraft

Continental CD-135 Engine x 2

FADEC single lever power controls

Garmin G1000 Avionics

Maximum Take-Off Weight (MTOW) 2000kgs

Cruising Speed 150kts @ 60% Power

4 Seater

PA44 SEMINOLE

Piper

2 × Lycoming O-360-E1A6 Engines

Garmin G430 Avionics + Analogue Instruments

Maximum Take-Off Weight (MTOW) 1700kgs

Cruising Speed 162kts @ 70% Power

4 Seater

FLIGHT PACKAGE & AIRCRAFT OPTIONS

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MECIR FLIGHT PACKAGES

Package	Standard	+ Multi-Engine Class Rating
Dual Flight Training Hours (Single Engine)	7 Hours	**7 Hours**
Dual Flight Training Hours (Multi-Engine)	19.2 Hours	**26.9 Hours**
Simulation Training in AL42 (DA42) Simulator	17 Hours	**17 Hours**
Briefings & De-Briefings	✓	✓
IREX Theory Course (Online) + Mock Exams	✓	✓
Flight Test Fee	✓	✓
Missed Approaches & Airservices Charges	Not included, charged after flight	Not included, charged after flight
Multi-Engine Class Rating	--	✓
IAP 2D & 3D Instrument Endorsements	✓	✓
Cessna 172 + Piper Seminole	N/A	N/A
Diamond DA40 + Diamond DA42	$29,050	$36,500
IREX Theory Course Face to Face Classes (Optional)	Additional $1,950	Additional $1,950
Training Materials & Books (Optional)	Available on request	Available on request

You may be required to purchase ancillary items not provided in the package, including additional competency and flight test flying hours (if required). Prices are in AUD, not including GST and are subject to change. You will be charged based on the current pricing schedule at the time of booking. Current as at December 2025.

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PRIVATE INSTRUMENT FLYING ENDORSEMENT
PAY AS YOU FLY PRICING

	Diamond DA40	Dual $518/hr Solo $418/hr
	Cessna 172	N/A
	Diamond DA42	Dual $895/hr Solo $795/hr
	Piper PA44 Seminole	N/A
	Ground School & Briefings	$130/hr
	Simulator Training	$295/hr
	Flight Test Fee	$1,000

Pay As You Fly rates do not include the purchase of required items including simulation hours, course theory materials, exams, flight test fees, navigation kit and charts, landing fees at other airports, missed approaches and Airservices charges. Prices are in AUD, not including GST and are subject to change. You will be charged based on the current pricing schedule at the time of booking. Current as at December 2025.

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OUR GRADUATE: JHOANNA MANICDO

"I really enjoyed the new challenges of flying the multi-engine Diamond DA42 aircraft in the MECIR course. The new skills I learnt are very important for my career, and I can't wait to put them into practice. At LTF the instructors are great, which makes learning so much better " – Jhoanna Manicdo

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