



MULTI ENGINE COMMAND INSTRUMENT RATING (MECIR)

FLY LARGER AIRCRAFT, IN MORE CONDITIONS



#TheSkylsCalling

AN IMPORTANT STEP IN YOUR AVIATION CAREER

A Multi Engine Command Instrument Rating (MECIR) is an important step in your career, as it allows you to pilot aircraft with more than one engine, and provides you with the skills to fly in marginal weather and light conditions.

The course syllabus includes a mix of training on simulators and twin-engine aircraft like the Piper Seminole and Diamond DA42. To be able to undertake the MECIR course, you will need to already hold a Commercial Pilot Licence (CPL) or Private Pilot Licence (PPL).

HOW CAN HAVING THE MECIR FURTHER MY PILOT CAREER?

The MECIR is **extremely valuable for any pilots looking to expand their aviation career**, especially for those looking at eventually entering the airline industry.

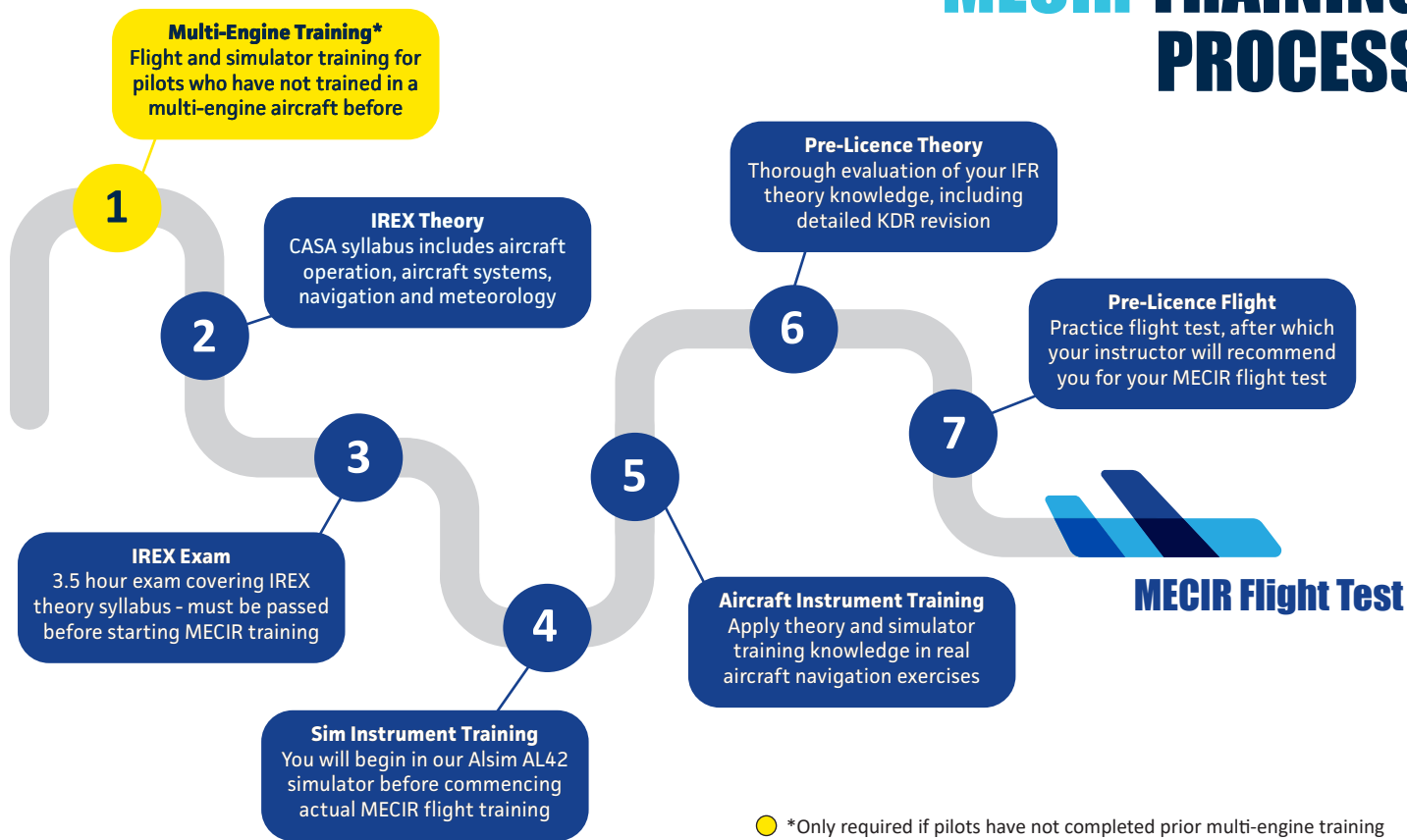
As well as allowing you to **command sophisticated aircraft with 2 or more engines**, the MECIR allows you to take off, navigate and land with sole reference to the instruments in non-visual flying conditions including poor weather and light.





TRAINING PROCESS & COURSE SYLLABUS

MECIR TRAINING PROCESS



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.

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 commitment.

AIRCRAFT SELECTION



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

MECIR FLIGHT PACKAGES

Package	Standard	+ Multi-Engine Class Rating
Dual Flight Training Hours (Single Engine)	5 Hours	5 Hours
Dual Flight Training Hours (Multi-Engine)	17 Hours	23 Hours
Simulation Training in AL42 (DA42) Simulator	20 Hours	22 Hours
Briefings & De-Briefings	✓	✓
IREX Theory Course (Online) + Mock Exams	✓	✓
Flight Test Fee	✓	✓
Missed Approaches & Aircservices Charges	Not included, charged after flight	Not included, charged after flight
Multi-Engine Class Rating	--	✓
IAP 2D & 3D Instrument Endorsements	✓	✓
 Cessna 172 + Piper Seminole	\$23,995	\$29,950
 Diamond DA40 + Diamond DA42	\$20,925	\$26,250
IREX Theory Course Face to Face Classes (Optional)	Additional \$1,650	Additional \$1,650
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 and are subject to change. You will be charged based on the current pricing schedule at the time of booking. Current as at July 2021.



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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