



Jet Transition Course

The Jet transition course is designed to incorporate elements of training into one course to prepare for business aviation and airline operations for a multi crew environment. The course covers the basic prerequisites that are necessary to operate in this environment and is an excellent pathway for preparation for the ATPL test.

The Jet Transition course is conducted at the Flight Options Advanced Training and Simulator Centre located on the Sunshine Coast in Queensland, Australia. Pilots will have access to a full motion Level D Mustang C510 simulator on site to complete training.

To be eligible to commence the Jet Transition course you must hold at least:

- ➔ Private Pilot or Commercial Pilot Licence
- ➔ Current Aviation Medical
- ➔ ATPL Human Factors Theory Exam pass result
- ➔ Command Multi Engine Instrument Rating

The course covers the following elements:

- Multi Crew Cooperation (MCC) Course
- Cessna Citation C510 Multi Crew Type Rating
- Basic Gas Turbine (GTE) Course
- High Altitude Training including Pressurisation Systems
- Reduce Vertical Separation Minima (RVSM)
- Performance Based Navigation (PBN)
- Retractable Undercarriage (RU)

The candidate will receive the following qualifications in their licence:

- Type Rating: C510
- Design Feature:
 - Gas Turbine Engine (GTE)
 - Pressurisation System (PXS)
 - Retractable Undercarriage (RU)

Certificates will be issued for the following:

- Multi Crew Cooperation (MCC)
- Reduced Vertical Separation Minima (RVSM)
- Performance Based Navigation (PBN)

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19 Friendship Avenue North, Sunshine Coast Airport, Mudjimba QLD 4564, Australia
Approval # CASA.142 FTO.0017

Course Overview

MCC Module

Ground School	12.0 hours
Briefing / Debriefing	5.0 hours
Simulator (FFS – off motion)	20.0 hours
TOTAL	7 days

MCC Course

Pre-study with two competency-based tasks:

- Essay analysing a multi-crew aircraft accident
- Course Quiz on crew procedures

Ground School

- Human Factors
- Threat and Error Management

LOFT

- Departure and arrival segments
- Line Flight – Normal Procedures
- Line flight – Normal & Abnormal Procedures
- Line flight – Normal & Abnormal Procedures
- Assessment Line Flight

C510 Type Rating Module

Ground School	35.0 hours
Briefing / Debriefing	14.0 hours
Simulator (FTD)	4.0 hours
Simulator (FFS – pilot flying)	12.0 hours
Proficiency Check	3.0 hours
TOTAL	14 days

C510 Ground School

This curriculum will provide the necessary understanding of the basic functions of the C510 aircraft systems, the use of individual system controls, and the integration of aircraft systems with operational procedures in order to prepare for the flight training curriculum.

- Aircraft General
- Electrical Power Systems
- Lighting
- Master Warning System
- Fuel System
- Powerplant
- Fire Protection
- Pneumatics
- Ice and Rain Protection
- Air-Conditioning
- Pressurisation
- Hydraulic Power Systems
- Landing Gear and Brakes
- Flight Controls
- Oxygen and other systems
- Avionics
- Flight Planning
- Weight and Balance
- Performance

At the end of the ground school, the pilot must demonstrate adequate knowledge to pass a written exam on aircraft systems, flight planning, weight and balance, and performance. Cont.

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C510 Simulator Sessions

The curriculum is divided into 8 training modules, with each simulator session taking approximately 4 hours with an additional hour and a half for briefing.

- Introduction to Standard Operating Procedures (static trainer)
- Normal / Abnormal Operations (FFS)
- Cold Weather / Contaminated Runway Operations (FFS)
- Hot and High Operations (FFS)
- Pre-Test (FFS)

At the end of the simulator sessions, the pilot will be required to complete a Type Rating Test (TR) which will also include an Instrument Proficiency Check (IPC) prior to being issued a course completion certificate and type endorsement on their CASA license (as applicable).

Basic Gas Turbine Module

Ground School	3.0 hours
TOTAL	3 hours

Basic Gas Turbine Course

This course is designed for pilots who are required to complete a Turbine Type/Class Rating and do not currently hold the Gas Turbine endorsement. This course covers the additional Part 61 MOS DFE4 Gas Turbine Underpinning Knowledge requirements, not covered in the specific Initial Type Rating Courses.

High Altitude Training Module

Computer Based Training	2.5 hours
TOTAL	2.5 hours

High Altitude Training Course

This course will give crewmembers an understanding of the physiological, aerodynamic, and environmental hazards associated with high altitude flight. High Altitude Training is designed to provide initial and recurrent training for flight crew operating pressurised aircraft above 10,000 feet MSL.

Reduced Vertical Separation Minima (RVSM) Module

Computer Based Training	1.0 hour
TOTAL	1 hour

Reduced Vertical Separation Minima (RVSM) Course

This course covers the basic principles of flight operations in Reduced Vertical Separation Minima (RVSM) airspace. The course includes operational requirements for aircraft and flight crews, addresses differences for operation in Metric RVSM airspace and outlines procedures for no-RVSM aircraft.

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Performance Based Navigation (PBN) Module

Computer Based Training	2.5 hours
TOTAL	2.5 hours

Performance Based Navigation (PBN) Course

The material covers PBN concepts, and details the framework for the application of the RNAV and RNP Navigation Specifications to Airspace Concepts, operational requirements including Onboard Performance Monitoring and Receiver Autonomous Integrity Monitor with and without onboard Fault detection and Exclusion, and contingency operations in Performance Airspace. The course also details the application of PBN to Terminal, Approach and Missed Approach operations, including RNP Approach and RNP Approval Required applications.

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