



## Cessna Citation C510 Initial Type Rating

The Mustang C510 Initial Type Rating provides the training necessary for a Single Pilot Type Rating on the Mustang C510. In addition to receiving their type rating, completion of this course will satisfy the requirements of a CASA IPC, ME(A) IR renewal and Recency requirements.

This course provides pilots with the necessary knowledge and skills to operate either as single pilot or multi-crew, acquiring an in depth understanding of aircraft systems, flight planning, weight and balance, and performance for the Mustang C510.

The Mustang C510 Initial Type Rating course is a 14 day program and is conducted at our Simulator and Flight Training 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 their training.

To be eligible to commence a Mustang C510 Initial Type Rating course you must hold at least:

- ➔ Private Pilot, Commercial Pilot or Air Transport Pilot Licence
- ➔ Command Multi Engine Instrument Rating
- ➔ Current Aviation Medical

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# Course 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
<b>TOTAL</b>	<b>14 days</b>

## Course Overview

### Ground School

This curriculum will provide the necessary understanding of the basic functions of 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.

### Simulator Sessions

The curriculum is divided into 8 training modules, with each simulator session taking approximately 4 hours (2 hours for single pilot) 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 an Instrument Proficiency Check (IPC) with additional type-specific competencies to a competent standard prior to being issued a course completion certificate and type endorsement on their CASA license (as applicable).

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