



AVI50415 Diploma of Aviation (Commercial Pilots Licence – Aeroplane)

(FEE Help / VET student loans Not Available)

Qualification

This qualification, The AVI50415 Diploma of Aviation (Instrument Rating) is structured incorporating a Full-Time integrated training syllabus to bring you from the CASA Commercial Pilots License (CPL) to the completion of the Multi Engine Command Instrument Rating (MECIR), with highly desirable logbook experience on Aircraft preferred by employers worldwide.

Flight crew duties include applying technical and non-technical aviation skills and knowledge to a wide range of air transport operations, including passenger, charter and cargo operations.

Individuals working at this level will apply knowledge and skills to demonstrate autonomy, judgement and defined responsibility in known or changing contexts and within broad but established parameters.

This qualification forms the requirements for the issue of a Multi Engine Command Instrument Rating to commercial pilots by the Civil Aviation Safety Authority (CASA) as directed by Civil Aviation Safety Regulation (CASR) Part 61 Flight crew licensing.

Course structure

The Qualification AVI50415 Diploma of Aviation (Instrument Rating) is comprehensively conducted over one intensive semester lasting 17 weeks.

- Students are required to sit and pass the CASA IREX Theory Examination.
- Multi-Engine class rating (Beechcraft Baron BE55)
- Command Instrument Rating (Beechcraft Baron BE55 / REDBIRD FMX Full Motion Simulator)

Training included in the course:

This course provides comprehensive theory and flight training. The training standards required throughout the course are exacting, you would expect no less as safety is of the highest importance in any form of transportation.

Theory Instruction

Theory training includes the provision by the school of briefing and lectures designed to deliver the knowledge content of the course. This course delivers a minimum of 120 hours of teacher directed training which is included in the cost.



Each student learner is different in how they progress, with some requiring more effort to achieve a satisfactory pass. In the main a student would be expected to spend a minimum of 240 hours self-guided private study. This is truly an estimate as individual needs vary, so you may have to put in more effort to achieve competency.

The additional study can be divided into subject study, revision for exams and tests, projects and assignments and planning. Passing all the exams is a requirement before a student is able to be recommended to perform the required flight tests for the initial issue of Multi Engine Command Instrument Rating.

In order to graduate the AVI50415 Diploma of Aviation (Instrument Rating) the student will need to provide evidence that they comprehend and can be assessed with all the required knowledge evidence that is required to graduate as well as meet all CASA requirements.

At times students can fall short of the required knowledge. Additional theory training conducted by the school may be outside the course. In this event the school will provide details of any excess charges before the training is commenced.

Remedial Training

Each flight training lesson is structured to enable a student to learn the skills and to be able to demonstrate competency. Flight lessons require students to meet or exceed set standards in all areas in order to progress to the next lesson. The training included in a training plan in the main allow a single flight lesson to achieve this objective. If a student falls short of the required standard then an additional flight may be required in order to provide an opportunity for the student to clearly demonstrate achieving the required standard. This additional flight is referred to as a remedial flight.

Remedial flights are outside the allocated course hours and costs so the student will be required to pay for this flight. The instructor that determine that a remedial flight is required will discuss this with the student and document the requirements. The student will be expected to pay this remedial flight after its completion. It should be clearly understood that there is no guarantee that the outcome of a remedial flight will be satisfactory. The student must be able to clearly demonstrate performance to an acceptable standard. If the standards are not met, then a further remedial flight may be required.

Included Course Training

- 120 Hours Classroom Theory delivered by Qualified Instructors
- 29.5 Hours Dual Flight Training conducted by CASA Licenced Flight Instructor in a Beechcraft Baron BE55
- 13.5 Hours Dual hours in the REDBIRD FMX Full Motion Simulator
- 3.5 Hours for MECIR Flight test(s) with an authorised testing officer (CASA).
- All 2D and 3D / other required instrument approaches



*note changes to the course may be initiated at any time to ensure delivery meets regulatory content and standards.

CASA Flight Tests that are included in the cost of this course

- Multi Engine Class Rating
- Command Instrument Rating
(1 Flight test attempt is included, Cost of licence issue by CASA is not included)

What's not Included

For a full list of all elements required please refer to the student guide. Please contact Hartwig Air to request a copy. It is the responsibility of the Student to obtain and adhere to the guidelines in the Student Guide whilst a student at Hartwig Air.

CASA Examinations and Fees

The following are the fees to sit one attempt for the CASA Exam *(Not included in the course cost)*

- *Instrument Rating Examination (ASL) - AUD\$175.00*

Note: small variations to the costs may occur depending on examination location chosen

Other Expenses

- Textbook(s)
- Maps and Charts
- Student Pilot Uniform
- Regulatory Publications
- Personal Navigation equipment (Rule, protractor, Nav computer etc)

Students are required to purchase these resources for their own use. A personal Headset is probably the most expensive elements, likely to cost between \$300 up to \$1400 for the top end. It all depends on personal choice.

(See [Materials List 2019](#) on the following page for current prices offered by the Pilot Shop at Hangar 59)



Materials List 2019 *(Not included in the course cost)*

Uniforms

	Item	2019 Fee
	White Epaulette Shirt	\$52.00
	Corporate Trousers, Black	\$50.00
	Black Dress Shoes	\$50.00
	Hi-Vis Vest	\$15.00
Optional	Epaulette Jumper, Black	\$76.50

Equipment

	Item	2019 Fee
	Headset – Personal choice	\$300 - \$1400
	CR-3 Flight Computer (yellow)	\$59.95
	Ruler (180 NM)	\$16.00
	Protractor	\$13.00
	Licence Holder	\$49.95
	Pilot Log Book	\$31.50

Only one headset is required

Adelaide Pilot Shop Price List: Materials

	Item	2019 Fee
Study Materials	Dyson Holland – The Complete Student Pilot Manual	\$100.00
	- Textbooks from RPL – IREX ranging from \$100.00	
	Dyson Holland – Pilot Instruction Kit	\$120.00
	CASA VFRG (Visual Flight Rules Guide - Optional)	\$44.95



Airservices Documents

	Item	2019 Fee
Airservices Documents	ERSA with RDS Amendment Service (12 months), Spiral Bound	\$122.00
	AIP in Binder (Amendment Service Required)	\$82.20
	CAO 20-95 Text in Binder (Amendment Service Required)	\$80.65
	CAR Text in Binder	\$129.00
	DAP East Text in Binder - Semester 4 Only	\$67.00
	DAP West Text in Binder - Semester 4 Only	\$49.00
	Civil Aviation Regulations Text in Binder	\$129.00
	Airservices Charts	VNC Charts Adelaide (Amendment Service 12 months)
PCA Chart		\$9.95
WAC Charts – Adelaide, Port Augusta, Burke, Townsville and Sydney required for PPL PEXO CASA Exam		\$9.95
TACs – All – Semester 4 Only		\$38.80
Visual Terminal Chart (VTC) Adelaide (Amendment Service 12 months)		\$18.40
ERC LOW 1&2, 7&8 (Amendment Service 12 months)		\$18.40
ERC LOW – ALL Semester 4 Only		



CASA Class 1 Medical

It is a good idea to renew your Class 1 medical before starting MECIR training. This will help to make sure you meet the requirements before spending your money on the training. CASA Charge a \$75 processing fee that pay directly to CASA however the other charges are variable and depend if you require any specialist reporting.

The basic costs ranges are

- Ophthalmology Report \$150 to \$250
- DAME Consultation \$200 to \$350 (Initial Issue)

Career Opportunities

Job roles vary across industry, however it is important to understand that when you graduate this qualification it is likely that you will have a total of 180 to 250 hours flying. Many employers require substantially more hours. The completion of the Multi Engine Command Instrument Rating (MECIR) allows our graduates to enter the workforce or to continue on towards their Air Transport Pilots Licence (ATPL). There may be a requirement for additional training such as a type rating and other qualifications before you will become eligible for certain aviation sectors. These include:

- Flight Instructor
- Charter Pilot
- Airline Pilot
- Cargo Pilot
- Corporate Pilot
- Medevac pilot

Time to Complete this Qualification

We allow 17 weeks full time to complete the course, although your actual completion time may be less depending on prior experience and the time you commit to your study.



Pricing & Payment Options

This course has a cost of \$24,000.

- Payable in 1 payment at the beginning of the Semester (7 days prior to the semester start date).

Course Entry Requirement

Whilst there are no prerequisites according to the Training Packaging Rules, the Civil Aviation Safety Authority (CASA) and ICAO state that learners should be able to pass the aviation English proficiency at level 4 and hold a Valid CASA Commercial Pilot License (CPL).

The course qualifies commercial pilots to seek employment flying at night or into Instrument Meteorological Conditions (IMC), in a multi-engine aircraft.

The school assesses each student to determine their suitability to the course on offer.

Learners also require;

- Current Class 1 aviation medical
- ASIC Security Clearance (this is required at the course start).



This course comprises a total of 14 units of competency comprising: 13 core units plus one of the general elective units listed below. Training will be delivered primarily face-to-face with a self-study component, and knowledge theory lessons including examination for AVI package and CASA requirements.

Units of Competency Description

AVI - Aviation Training Package

Code

Units of Competency

Units of Competency	Core/Elective
AVIF0007 - Implement threat and error management strategies	Core
AVIF0008 - Manage safe flight operations	Core
AVIH0005 - Plan a flight under Instrument flight rules	Core
AVIH5017 - Navigate aircraft under Instrument flight rules	Core
AVIW5018 - Operate and manage aircraft systems	Core
AVIY0001 - Operate aircraft using aircraft flight instruments	Core
AVIY0013 – Conduct a 2D instrument approach	Core
AVIY5024 - Operate aircraft in the traffic pattern at night	Core
AVIY0022 – Perform instrument arrival and standard arrival route procedures	Core
AVIY5024 - Operate aircraft in the traffic pattern at night	Core
AVIY5027 – Perform non published instrument departure procedures	Core
AVIY5028 - Perform published instrument departure procedures	Core
AVIY5033- Perform visual circling approach	Core
AVIY5023 - Operate a multi-engine aeroplane	Elective

Training and assessment delivery is at the Schools locations at Parafield Airport, South Australia.

The course is structured and is considered full-time. Students are required to attend class approximately 20 hours per week with additional self-paced learning, web forums and research outside of class.

Ground School classes are held weeknights between 6pm – 9 pm as per your semester timetable. Students can also apply to attend weekday make-up class options where available (as pre-scheduled during our normal business hours of 8am-5pm). Students seeking to attend day school make-up classes are required to seek prior approval to do so from the management of Hartwig Air.

All training and assessment of this qualification will be conducted by Bruce Hartwig Flying School staff and personnel.



Assessments

Assessment is conducted in accordance with the Vocational Education Principles of Assessment and Rules of Evidence.

Students will be assessed using;

- Oral Assessments
- Written Assessments
- Practical Observation Assessments
- Projects

As part of the course, learners will also be required to access the CASA examinations test system. The CASA exams, however are required for the issue of CASA licences/ratings.

A passed exam result from CASA with knowledge deficiency areas will be subject to debriefing and possibly further theory training. Students will need to provide to a testing officer or an instructor 100% knowledge of your KDR's.

Important Note:

Remedial flights are when a student has to repeat a lesson that has not been demonstrated as competent. This repeat lesson is known as a remedial flight. The remedial flight is not covered under the agreement entered into for this training. Therefore the student will be required to cover this at their own expense.

Bruce Hartwig Flying School, RTO Code 4439, CRICOS code 02845E, is solely responsible for the course it offers and it issues all Statements of Attainment and Diploma Parchments.