

In Progress

Please note that this Unit Profile is still in progress. The content below is subject to change.



AVAT13028 *Advanced Flight Theory 1*

Term 1 - 2025

Profile information current as at 12/02/2025 02:56 pm

All details in this unit profile for AVAT13028 have been officially approved by CQUiversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

Advanced Flight Theory 1 provides you with advanced aviation theoretical knowledge aligned with Civil Aviation Safety Authority (CASA) Airline Transport Pilot Licence (ATPL) curriculum (Part 61 Schedule 3). You will learn about the principles of local, national and international air navigation and aviation laws and regulatory frameworks in various jurisdictions. You will study aerodynamics and aircraft systems, focusing on aircraft technical systems and transonic flight in depth. The unit content is organised into various study modules corresponding to CASA Part 61 Schedule 3 exams. During the term, you are encouraged to take the CASA examinations soon after completing the relevant modules.

Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: *12*

Student Contribution Band: *8*

Fraction of Full-Time Student Load: *0.25*

Pre-requisites or Co-requisites

Prerequisites - AVAT12010 AND AVAT12011

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

Offerings For Term 1 - 2025

- Cairns
- Online

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Recommended Student Time Commitment

Each 12-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 25 hours of study per week, making a total of 300 hours for the unit.

Class Timetable

[Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Online Test**

Weighting: 25%

2. **Online Test**

Weighting: 25%

3. **Online Test**

Weighting: 25%

4. **Portfolio**

Weighting: 25%

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

CQUniversity Policies

All University policies are available on the [CQUniversity Policy site](#).

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

Unit Learning Outcomes

On successful completion of this unit, you will be able to:

1. Interpret global navigation chart projections, including performing time zone and airspeed calculations
2. Critique air law applying to pilots, flight crew and the aviation industry
3. Analyse aerodynamic forces and aircraft systems in turbo-fan and turbo-prop aircraft
4. Collaborate effectively to solve problems in air operations considering navigation, air law, and aerodynamics and aircraft systems.

N/A

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Online Test - 25%	•			
2 - Online Test - 25%		•		
3 - Online Test - 25%			•	
4 - Portfolio - 25%	•	•	•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Communication		•		•
2 - Problem Solving			•	
3 - Critical Thinking	•	•	•	
4 - Information Literacy	•	•		
5 - Team Work				•
6 - Information Technology Competence	•			
7 - Cross Cultural Competence				•
8 - Ethical practice		•		
9 - Social Innovation				•
10 - Aboriginal and Torres Strait Islander Cultures				

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 17 February 2025

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.