



**UNSW**  
SYDNEY

# Bachelor of Aviation (Flying) - Structure

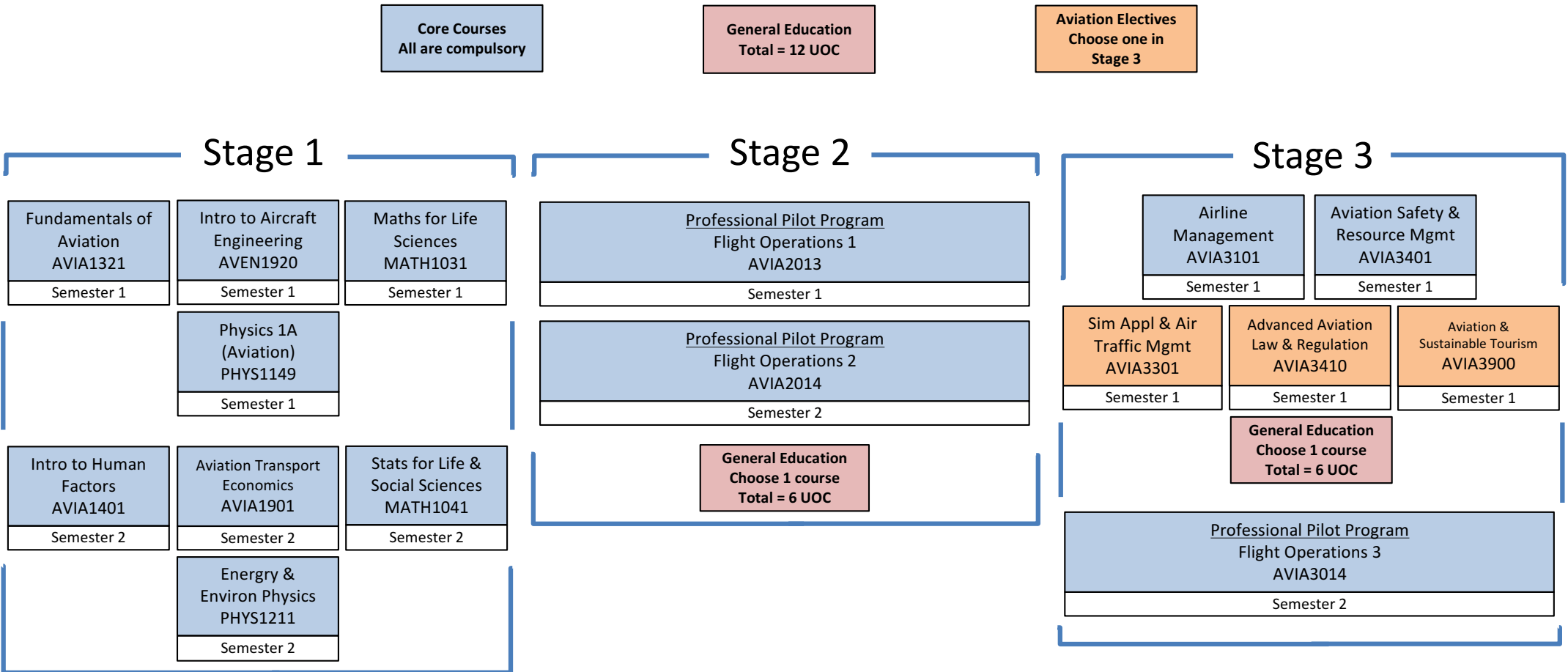
**Aviation Electives** are courses taken from within the School of Aviation, as defined in the UNSW Online Handbook.

**General Education** courses are compulsory and **cannot** be from the Faculty of Science. Please see the list of available Gen Ed courses on the UNSW Online Handbook.

The definitive curriculum is as published in the UNSW Online Handbook. ([handbook.unsw.edu.au](http://handbook.unsw.edu.au))

The minimum units for graduation = 144 Units of Credit (UOC)

Each stage = 48UOC



## Aviation (Flying) - 3980

### Program Summary

**Faculty:** Faculty of Science

**Contact:** <http://www.aviation.unsw.edu.au>

**Campus:** Sydney

**Career:** Undergraduate

**Typical Duration:** 3 Years

**Typical UOC Per Semester:** 24

**Min UOC Per Semester:** 6

**Max UOC Per Semester:** 30

**Min UOC For Award:** 144

**UAC Code:** 429500

**Award(s):** Bachelor of Aviation (Major)

### Program Description

The aim of this program is to prepare students for a career in the aviation industry, primarily as a pilot but also as a future manager/pilot. The program prepares the students for the role of professional pilot working either as a single pilot in a general aviation organisation, or as a multi-crew team in an airline. In addition, the student undertakes academic courses in aviation management (including safety) so that they may also take on the role of manager or the dual role of pilot/manager. The parallel program, the 3981 Bachelor of Aviation (Management) prepares students more specifically for careers in the managerial sector of the aviation industry.

Both streams consist of core courses selected from the Faculties offering the program, together with a range of options. The Flying stream additionally includes flight training to a minimum level of Commercial Pilots Licence (CPL), Command Instrument rating (Multi-Engine) and Air Transport Pilot Licence (ATPL) theory subjects.

**Note:** Due to the block training nature of the flight training program, teaching periods might not correspond to standard academic sessions, and students will need to undertake the Professional Pilot Program (flying training) on a full-time basis.

### Program Structure

Students must complete a minimum of 144 units of credit for the award of a Bachelor of Aviation (Flying). This 144 UoC is comprised of the following:

#### Stage 1

- AVEN1920 Intro Aircraft Eng (6 UOC)
- AVIA1321 Fundamentals of Aviation (6 UOC)
- AVIA1401 Introduction to Human Factors (6 UOC)
- AVIA1901 Airline Economics (6 UOC)
- MATH1031 Mathematics for Life Sciences (6 UOC)
- MATH1041 Stats for Life & Soc Sciences (6 UOC)
- PHYS1149 Physics 1A (Aviation) (6 UOC)
- PHYS1211 Energy and Environmental Phys (6 UOC)

#### Stage 2

- AVIA2013 Flight Operations 1 (18 UOC)
- AVIA2014 Flight Operations 2 (24 UOC)
- General Education (6 UOC)

#### Stage 3

- AVIA3014 Flight Operations 3 (24 UOC)
- AVIA3101 Airline Management (6 UOC)
- AVIA3401 Av Safety & Resource Mgmt (6 UOC)
- General Education (6 UOC)

Choose 6 UOC from:

- AVIA3301 Sim Appl. & Air Traffic Mgmt (6 UOC)
- AVIA3410 Advance Law & Reg in Aviation (6UOC)
- AVIA3900 Aviation & Sustainable Tourism (6 UOC)

**Note:** Students who fail the Professional Pilot's Program (Flying Stream) cannot continue in the BAv(Flying). Options are to transfer to the 3981 Bachelor of Aviation (Management) program, to transfer to another UNSW program, or to withdraw from the program. Credit transfer to program 3981 will depend on the stage at which students transfer. Consult the School of Aviation for further details.

### Academic Rules

1. Students enrolled in this program must complete 144 units of credit.
2. Students must follow the program of study as described in this Handbook, including core (compulsory) courses and electives as specified. The Program Authority, or nominee, must approve any variation to the program.
3. A maximum of 48 units of credit of level I courses can be taken throughout the entire program, excluding any GEN\*#### or other mainstream level I courses taken to fulfil the 12 UoC General Education requirement.
4. Students must complete 12 units of credit of General Education. Students must follow the UNSW rules for general education. Any course defined as a 'science' course in Table 1, cannot be taken as general education. Any exceptions to these rules must be approved by the Program Authority or nominee.
5. Students are expected to complete Stage 1 before progressing to Stage 2. Exceptions may be granted with permission of the program authority.

### Honours

Progression to Honours is subject to academic performance and the number of places available in the School's Honours program. The School of Aviation offers Honours in both full-time and part-time modes through the science faculty in stream AVIAAH of Program 4500 Bachelor of Science (Honours). Typically students require a minimum overall WAM (weighted average mark) of a credit (65% minimum) for entry into honours, although due to the competitive nature of honours, the level of academic performance required may be higher in some years. Where students have an overall WAM that is less than, but close to, a credit, the School of Aviation may take into consideration a student's academic performance in aviation courses when assessing an application for honours. Students seeking to enrol in honours are required to have completed a total of 144 units of credit and all the requirements for the Bachelor of Aviation (Flying) (including all level I, core courses, and general education requirements). Students who have not qualified for the Bachelor of Aviation (Flying) at pass level will not be permitted to enrol in honours. Admission requirements, as well as the number of places available, are determined by the Head of School or nominee.

Students who are granted admission into Honours after completion of the requirements for the Bachelor of Aviation, will graduate from the Bachelor of Aviation at the end of the three years, and will then apply for entry to the Science Honours Program 4500, Stream AVIAAH.

### General Education Requirements

Students in this program must satisfy the University's General Education requirements.

### Award with Distinction

The Faculty of Science will award a Pass degree with Distinction to students who obtain a minimum WAM of 75 across their program and complete at least 72 units of credit at UNSW. Distinction awards will not be issued to students who continue to enrol in an honours program.