Overview

The Bachelor of Aviation is offered by the Faculty of Science with input from the Business School.

The aim of this program is to provide an opportunity for students to prepare for a career in the aviation industry. Program 3981 is a Managerial stream which prepares students more specifically for careers in the managerial sector of the aviation industry. A Flying stream, which incorporates flight training, is also available - please refer to program 3980 in this Online Handbook.

Both streams consist of core courses selected from the Faculties offering the program together with a range of options. The Managerial stream offers a selection of courses designed to provide students with a broad base of knowledge in managing the operational aspects of the aviation industry.
**Faculty**
Faculty of Science

**Campus**
Kensington

**Study Level**
Undergraduate

**Typical duration**
3 Years

**Delivery Mode**
Face-to-face

**Intake Period**
Term 1, Term 3

**Academic Calendar**
3+ Calendar

**Minimum Units of Credit**
144

**Award type**
Bachelors Pass

**Award(s)**
Bachelor of Aviation - BAv

**UAC Code**
429520

**CRICOS Code**
018567B
Learning Outcomes

1. Collaborate effectively with others and use effective communication skills to present a coherent and sustained argument on aviation-related issues.
   - Global Citizens
   - Leaders
   - Scholars

2. Demonstrate the ability to critically select and apply aviation and business management knowledge to situations in a local and global environment.
   - Global Citizens
   - Scholars
   - Leaders

3. Analyse issues in aviation management and business situations and propose appropriate solutions based on academic insight.
   - Scholars
   - Leaders
   - Professionals

4. Identify and assess cultural, ethical, environmental and/or sustainability considerations in the aviation industry and provide practical solutions.
   - Global Citizens
   - Professionals
   - Leaders

5. Demonstrate an ability to articulate complex issues in coherent written statements and oral presentations
   - Professionals
   - Scholars

6. Demonstrate critical thinking and problem solving skills in the aviation management context, such as operational and economic decision-making of an airport/airline.
   - Scholars
   - Professionals
   - Global Citizens
   - Leaders

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this link.
**Program Structure**

Students must complete 144 UOC as a standalone program.

**Discipline Specific Core of 108 UOC:**
1. 78 UOC of core courses in Aviation (Management) (Levels 1, 2 and 3)
2. 30 UOC of Aviation (Management) Electives

**Breadth Component of 36 UOC:**
1. 24 UOC of Free Electives. These courses can be taken from any Faculty of the University.
2. 12 UOC General Education courses. Please see the rules regarding General Education below.

Please click the Sample Programs link below to view a typical enrolment pattern for this program.

**Level 1 Core Courses**

Students must take 36 UOC of the following courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>UOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVIA1321</td>
<td>6</td>
</tr>
<tr>
<td>Fundamentals of Aviation</td>
<td></td>
</tr>
<tr>
<td>AVIA1401</td>
<td>6</td>
</tr>
<tr>
<td>Introduction to Human Factors</td>
<td></td>
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<tr>
<td>AVIA1901</td>
<td>6</td>
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<tr>
<td>Aviation Transport Economics</td>
<td></td>
</tr>
<tr>
<td>AVIA1902</td>
<td>6</td>
</tr>
<tr>
<td>Airline Financial Analysis and Decision Support</td>
<td></td>
</tr>
<tr>
<td>MATH1031</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics for Life Sciences</td>
<td></td>
</tr>
<tr>
<td>MATH1041</td>
<td>6</td>
</tr>
<tr>
<td>Statistics for Life and Social Sciences</td>
<td></td>
</tr>
</tbody>
</table>
**Level 2 Core Courses**

Students must take 18 UOC of the following courses.

- **AVIA2401 | 6 UOC**
  Aviation Law and Regulations

- **AVIA2501 | 6 UOC**
  Airline Marketing Strategies

- **AVIA2701 | 6 UOC**
  Aviation Security and Airport Management

**Level 3 Core Courses**

Students must take 24 UOC of the following courses.

- **AVIA3101 | 6 UOC**
  Airline Management

- **AVIA3201 | 6 UOC**
  Airline Resource Management

- **AVIA3401 | 6 UOC**
  Aviation Safety and Resource Management

- **AVIA3710 | 6 UOC**
  Aviation Research Methods

**LEVEL 1 PRESCRIBED ELECTIVES**

Students must take 6 UOC of the following courses.

- **ECON1101 | 6 UOC**
  Microeconomics 1

- **ECON1102 | 6 UOC**
  Macroeconomics 1
MGMT1001  |  6 UOC  
Managing Organisations and People  

MGMT1101  |  6 UOC  
Global Business Environment  

**Level 2 Prescribed Electives**

Students must take 12 UOC of the following courses.

**AVIA2101**  |  6 UOC  
Baggage Handling System Design, Technology & Operations  

**AVIA2601**  |  6 UOC  
Aviation Operations Research  

**AVIA2801**  |  6 UOC  
Regional and General Aviation  

**AVIA2910**  |  6 UOC  
Air Transport: Economics and the Environment  

**MGMT2721**  |  6 UOC  
Managing People  

**Level 3 Prescribed Electives**

Students must take 12 UOC of the following courses.

**AVIA3013**  |  6 UOC  
Workplace Safety  

**AVIA3301**  |  6 UOC  
Simulation Application and Air Traffic Management  

**AVIA3410**  |  6 UOC  
Advanced Law and Regulation in Aviation
AVIA3851 | 6 UOC
Airport Management 2

AVIA3900 | 6 UOC
Sustainable aviation and tourism

**Free Electives**

Students must take 24 UOC of the following courses.

*any course*

**General Education**

Students must take 12 UOC of the following courses.

Any course defined as a Science course (see Table 1) cannot be taken as General Education (GE). All other courses can be used to fulfil the GE requirement of this program, including GEN

*any General Education course*

**Excluded General Education Courses**

Students may not undertake any of the following excluded courses.

*any Computer Science course*

*any Food Technology course*

*any course offered by School of Medical Sciences*

*any course offered by Faculty of Science*

*any General Education - Faculty of Science course*

**Course Information Rule**
GEN# courses cannot count towards the free elective component, or towards science core courses or science electives in the program. Any exceptions to these rules must be approved by the Associate Dean (Academic Programs) or nominee.

**Maximum Level 1 UOC**

Students may only undertake a maximum of 60 UOC of the following courses.

*any level 1 course*

**Level 2 Maturity Requirements**

Students must have completed 48 UOC before taking any of the following courses.

*any level 2 course*

**Level 3 Maturity Requirements**

Students must have completed 96 UOC before taking any of the following courses.

*any level 3 course*

**Sample Programs**

To access sample program(s), please visit:

*Sample Program Guides*

**Enrolment Disclaimer**

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.
Related Programs

Related Double Degree Programs

Bachelor of Commerce - BCom
Bachelor of Aviation - BAv

3835 Commerce / Aviation (Management)

Faculty: UNSW Business School, Faculty of Science
Campus: Kensington
Units of Credit: 192
Typical Duration: 4 Years

Read More

Related Programs

Bachelor of Aviation - BAv

3980 Aviation (Flying)

Faculty: Faculty of Science
Campus: Kensington
Units of Credit: 144
Typical Duration: 3 Years

Read More
Program Requirements

Recognition of Prior Learning

Credit transfer to program 3981 will depend on the stage at which students transfer from program 3980. UNSW Students may be granted Recognition for Prior Learning (RPL) which may or may not reduce the amount of learning required to achieve a degree at UNSW. Generally, RPL is only granted based on the completion of tertiary-level studies, but in exceptional circumstances may also include non-formal or informal learning such as professional experience. RPL will not be granted based on partly completed tertiary courses. All applications for RPL at UNSW are subject to UNSW Recognition of Prior Learning (Coursework Programs) Policy and Procedures. Students seeking credit for courses completed at another university are required to submit documentary evidence (course outlines, academic transcripts) to support their application, and to nominate the course(s) for which they seek credit. In addition, the following conditions apply for all UNSW Science programs (including the Science component of dual award programs): Specified course credit, i.e. credit granted for an exact or near exact equivalence to a course at UNSW, will not be granted when more than 7 years has elapsed from the successful completion of the course (or other learning) and the student’s commencement in the Science program. Where this time period is shorter it will be stipulated in the individual rules for the relevant program. Unspecified course credit (e.g. General Education or free electives) will not be granted when more than 10 years has elapsed from the successful completion of the course (or other learning) and the student’s commencement in the Science program. Students may only receive credit of up to a maximum of 50% of the coursework component of their Science program, excluding Honours. For most undergraduate programs this will be 72 UOC. For dual award programs that include a Science component, it will be a maximum of 50% of the Science component of the dual degree, excluding Honours. Credit for the other program will be assessed by the Faculty that administers that program. Applications for RPL will only be assessed for students who have accepted a place to study in a UNSW Science program. Students must formally apply for RPL unless they become a UNSW student as part of a formal Articulation Agreement. Applications for RPL should be made as early as possible in the student’s program. Students who are readmitted into a Science program after a period of unapproved absence or deferment, or after exclusion, will not necessarily retain credit for all units completed at UNSW prior to the absence if the date of completion of the units of study is greater than the 7 and 10-year rules outlined in points 1 and 2 above. In these cases, the credit retained will be decided by the Associate Dean (Academic Programs) in consultation (when necessary) with the Program and/or Course
Authority.
Pathways

Honours Programs

Bachelor of Science (Honours) - BSc(Hons)
4500 Science (Honours)

Faculty: Faculty of Science
Campus: Kensington
Units of Credit: 48
Typical Duration: 1 Years

Read More

Post Graduate

Graduate Diploma in Flying - GradDip(Flying)
5536 Aviation (Flying)

Faculty: Faculty of Science
Campus: Kensington
Units of Credit: 48
Typical Duration: 1 Years

Read More
Professional Outcomes

Career Opportunities

Management positions in flying training schools, charter companies, regional airlines, major airlines.
Recognition of Achievement

University Medal

The University Medal is awarded to recognise outstanding academic performance by a bachelor degree student in line with the University Medal Policy and University Medal Procedure.

Award of Pass with Distinction

The Award of Pass with Distinction is awarded when a weighted average mark (WAM) of at least 75% has been achieved and at least 50% of the requirements of the award completed at UNSW. All eligible programs will award Pass with Distinction except in special circumstances where approval of Academic Board has been given for a program to opt out.

For more information, please visit:

Current Students Pass With Distinction


Additional Information

Definition of 'Science' courses

Table 1

Science Handbook Rules and Editions

Students must follow the program rules and requirements in the UNSW Handbook published in the year they commence their studies with the Faculty of Science.

Students who transfer from another UNSW Faculty into Science (for example, from a Bachelor of Arts into a Bachelor of Science) must follow the program rules and requirements in the UNSW Handbook published in the year of their transfer.

Students, who are readmitted to UNSW after a period of unapproved absence or deferment, or after exclusion, must satisfy the program rules in the Handbook published in the year of their readmission. In addition, these students may be subject to restrictions on which courses taken at UNSW may be counted on their return. In some cases, students returning from an unapproved absence may be required to repeat courses. See the Recognition of Prior Learning (RPL) and Advanced Standing section below for more details. Students who take approved leave or deferment will follow the Handbook for the year of their original commencement unless otherwise approved by the Associate Dean (Academic Programs).

Faculty of Science Rules

The Faculty of Science has some rules that relate to all students enrolled in programs offered by the Faculty in relation to recognition for prior learning, general education, course exclusions, study load, and cross-institutional study. All students should read the information contained on the Faculty General Rules and Requirements page.
Program Fees

At UNSW fees are generally charged at course level and therefore dependent upon individual enrolment and other factors such as student's residency status. For generic information on fees and additional expenses of UNSW programs, click on one of the following:

Dominic Students
Commonwealth Supported Students
International Students
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179