The University of New South Wales

2017 Bachelor of Aviation (Flying) Curriculum for 2017 Commencement

<table>
<thead>
<tr>
<th>Stage 1</th>
<th>Semester 1</th>
<th>UOC</th>
<th>Semester 2</th>
<th>UOC</th>
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<tbody>
<tr>
<td>*AVEN1920</td>
<td>Intro to Aircraft Engineering</td>
<td>6</td>
<td>*AVIA1401</td>
<td>Intro to Human Factors</td>
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<tr>
<td>*AVIA1321</td>
<td>Fundamentals of Aviation</td>
<td>6</td>
<td>*AVIA1901</td>
<td>Aviation Transport Economics</td>
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<tr>
<td>*MATH1031</td>
<td>Maths for Life Sciences</td>
<td>6</td>
<td>*MATH1041</td>
<td>Statistics for Life Sciences</td>
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<tr>
<td>*PHYS1149</td>
<td>Physics 1A (Aviation)</td>
<td>6</td>
<td>*PHYS1211</td>
<td>Energy &amp; Environmental Physics</td>
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<td>Total Required</td>
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<table>
<thead>
<tr>
<th>Stage 2</th>
<th>Semester 1</th>
<th>UOC</th>
<th>Semester 2</th>
<th>UOC</th>
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<tbody>
<tr>
<td>*AVIA2013##</td>
<td>Flight Operations 1</td>
<td>18</td>
<td>*AVIA2014</td>
<td>Flight Operations 2</td>
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<tr>
<td>*AVIASC01</td>
<td>PPL (Professional Pilot Program)</td>
<td>6</td>
<td>*AVIASC02</td>
<td>CPL, CMEIR (Professional Pilot Program)</td>
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<tr>
<td>^GEN ________</td>
<td>General Education</td>
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<td>(Summer Distance)</td>
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<td>Total Required</td>
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<tr>
<th>Stage 3</th>
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<th>Semester 2</th>
<th>UOC</th>
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<tr>
<td>*AVIA3101</td>
<td>Airline Management</td>
<td>6</td>
<td>*AVIA3014</td>
<td>Flight Operations 3</td>
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<tr>
<td>*AVIA3401</td>
<td>Aviation Safety &amp; Resource Mgmt</td>
<td>6</td>
<td>*AVIASC03</td>
<td>ATPL Theory and LOFT, Research or</td>
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<td>^GEN ________</td>
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<td>6</td>
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<td>Grade 3 FIR (Professional Pilot Program)</td>
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<td>AVIA3301</td>
<td>Sim Apps &amp; Air Traffic Mgmt</td>
<td>6</td>
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<td>AVIA3900</td>
<td>Aviation &amp; Sustainable Tourism</td>
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*Compulsory courses

##Progression to AVIA2013 requires passes in AVIA1321 & AVIA1401 & MATH1031 & MATH1041 & PHYS1149 & PHYS1211.

To meet graduation requirements, flying students require an exact total of 12 UoC of General Education courses, excluding any from the Faculty of Science.

The definitive curriculum is as published in the online UNSW 2017 Handbook (as shown overleaf).
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 degree of Bachelor of Aviation is offered by the Faculty of Science with input from the Faculty of Engineering.

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

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) with additional flight training options available dependent upon student progress and requirements.

Note: Due to the block training nature of the flight training program, teaching periods might not correspond to standard academic sessions.

Program Objectives and Graduate Attributes

This program aims to prepare students for a career in flying, as a pilot.

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)
- AVIA3900 Aviation & Sustainable Tourism (6 UOC)

Note: Students who fail the Professional Pilot's Program (Flying Stream) must transfer to Management Stream. 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

Students seeking to enrol into Honours in Aviation should refer to program 4500 Bachelor of Science (Honours) and the plan page for Aviation (Honours) in this Handbook.

General Education Requirements

Students in this program must satisfy the University’s General Education requirements. For further information, please refer to General Education in the Table of Contents (see left hand side of this page).

Fees

For information regarding fees for UNSW programs, please refer to the following website: https://my.unsw.edu.au/student/fees/FeesMainPage.html

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 enroll in an honours program.