AVIATION - AIRCRAFT OPERATION (THEORY)

TAFE Course No. for enrolment

18010

Credential available

Course in Aviation-Aircraft Operation (Theory)

TAFE Curriculum Centre

Manufacturing, Engineering, Construction & Transport
Transport Dist Maritime & Aerospace Program area

BOS Course No./Unit value

43422 - 2 units x 1 year
43423 - 2 units x 2 years

Exclusions

Nil

Some modules also part of Traineeship course?

No

Advanced Standing in other TAFE courses (Note: All TAFE courses are AQF credentials)

Students may seek recognition for the underpinning knowledge in the following course:

Certificate IV in Transport and Distribution (Aviation Flight Operation) 0506

Who is this course for?

Preliminary and HSC year students

This course introduces the aviation industry to high school students. Those who seek employment in operational areas of the aviation industry can make informed decisions as to career options available, and plan corresponding career paths. The course is of particular interest to those who would like to become a pilot, an air traffic controller or seek employment in other areas of aircraft operations.

What is this course about? What will students be doing?

Depending on modules chosen, students will gain the skills and knowledge to:

• calculate the take-off and landing performance of an aircraft;
• calculate the in-flight performance of an aircraft;
• determine the maximum payload/fuel that can be carried on a flight;
• compile a load sheet for a multi-stage flight;
• ascertain the maintenance procedures that can be carried out by a commercial pilot;
• carry out all aspects of compiling single and multi-stage flight plans suitable for private, aerial work or charter flights under the Visual Flight Rules;
• carry out pilot navigation techniques in flight and interpret radio navigation aid displays and use the data to solve in-flight navigation problems;
• explain the characteristics of navigation charts and employ appropriate techniques to extract data from these charts.

Recognition from HSC to TAFE courses (credit transfer opportunities)

Please refer to the Credit Transfer website http://www.det.nsw.edu.au/hsctafe/ for the most current information regarding credit transfer arrangements.
### AVIATION - AIRCRAFT OPERATION (THEORY)

#### Course Content

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<tr>
<th>TAFE Module Names</th>
<th>Unit of Competency Code</th>
<th>Module Numbers</th>
<th>Pre-requisite modules</th>
<th>Nominal Module Hours</th>
<th>Cost Category</th>
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<tbody>
<tr>
<td>Basic Aeronautical Knowledge</td>
<td>Nil</td>
<td>18010A</td>
<td>N</td>
<td>78</td>
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<tr>
<td>Engine Systems and Instruments</td>
<td>Nil</td>
<td>18010B</td>
<td>N</td>
<td>42</td>
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<tr>
<td>Meteorology</td>
<td>Nil</td>
<td>18010C</td>
<td>N</td>
<td>48</td>
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<td>Navigation and Flight Planning</td>
<td>Nil</td>
<td>18010D</td>
<td>N</td>
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<tr>
<td>Operation and Performance</td>
<td>Nil</td>
<td>18010E</td>
<td>N</td>
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<td>5</td>
</tr>
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</table>

**Nominal Course Hours** 120 - 240 Hours

**Additional Information:**