

# AEROSPACE SYSTEMS



## Elective Learning Area

### Course Outline

In this subject, students use systems thinking habits, systems thinking strategies, and aerospace technology knowledge, concepts and principles to explore problems and develop solutions.

### Pathways

Year 11 Aerospace Systems

Bachelor of Aviation Griffith University (Flight operations or Flight management), Apprenticeships/Traineeships (Cert III remote pilot UAV, Cert IV Aeroskills), Bachelor of Engineering, (Major in Aeronautics, Avionics, Air Traffic Control, Meteorologist, Aerodrome Reporting Officer) Bachelor of Business & Enterprise (Aviation Tourism) Diploma in Aviation (TAFE)

### Structure

Areas of study	Core topics
Term 1	<ul style="list-style-type: none"><li>Aeronautics</li><li>Aerodynamics</li></ul>
Term 2	<ul style="list-style-type: none"><li>Aircraft Systems</li><li>Flight instruments</li></ul>
Term 3	<ul style="list-style-type: none"><li>Airline/Airport Operations</li><li>Meteorology and navigation</li><li>Air traffic control</li></ul>
Term 4	<ul style="list-style-type: none"><li>Human factors and evolution of aerospace systems</li><li>Air crash investigation and safety management systems</li></ul>

Practical Components throughout the year
<ul style="list-style-type: none"><li>Fold n Fly paper plane science</li><li>Powerup 4.0 remote control paper planes</li><li>Boeing Microsoft Flight Simulator</li><li>Drones</li></ul>

### Assessment

Folio Assignments Supervised tests

### Additional Costs

Nil unless excursions are arranged.