



WHAT IS AEROSPACE SYSTEMS?

Indooroopilly SHS students seeking a career in aerospace have the opportunity to step out of the classroom and onto the tarmac.

Aerospace Systems provides opportunities for students to learn about the fundamentals, history and future of the aerospace industry. They gain knowledge of aeronautics, aerospace operations, human factors, safety management and systems thinking that enable them to solve real-world aerospace problems using the problem-solving process in Aerospace Systems.

Students develop and use skills that include analysis, decision-making, justification, recognition, comprehension and evaluation to develop solutions to aerospace problems.



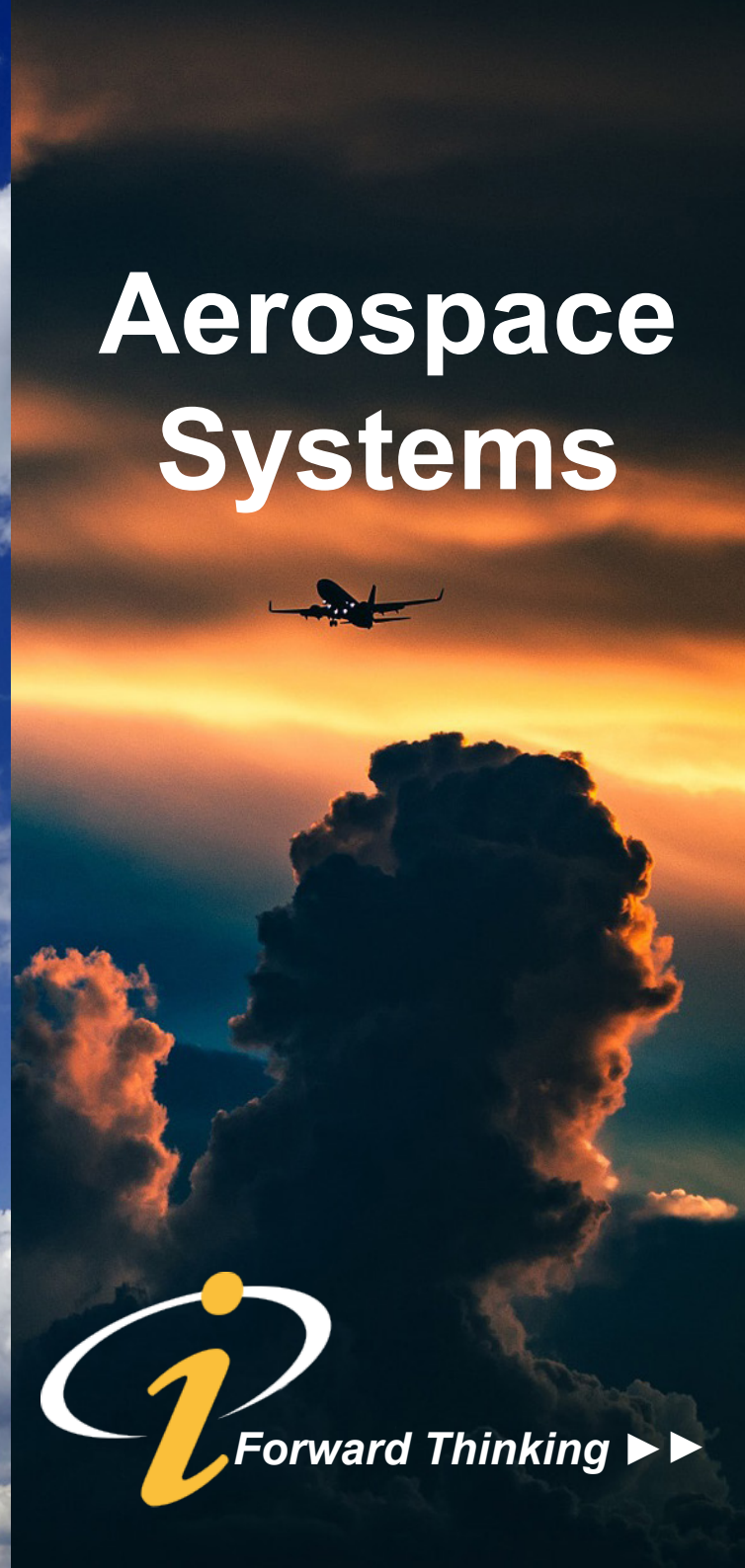
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“Aerospace opens pathways to a career in Aviation”.
Russell - Year 12

“Aerospace Systems is awesome because the type of knowledge is different to any other subject”.
Tommy - Year 12



Education Queensland International CRICOS Provider Number: 00608A



Aerospace Systems



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WHY STUDY AEROSPACE SYSTEMS

Aerospace Systems will provide the knowledge, concepts, and basic skills that the aerospace industry believe are essential for people entering their workforce.

A course of study in Aerospace Systems can establish a basis for further education and employment in the fields of engineering, administration, maintenance, flight crew, air traffic control, cabincrew, security and emergency services.

Topics of study include:

- Aeronautics and Astronautics
- Safety Management Systems
- Business of Aviation

This subject will count towards a student's ATAR and the Queensland Certificate of Education.

LEARNING EXPERIENCES

A substantial period of learning time will be spent using computers to conduct research. Students also have access to a flight simulator and an Unmanned Aerial Vehicle simulator. Excursions are conducted to Archerfield Airport, Brisbane Airport, and Amberley RAAF Base. Students will be offered a Trial Introductory Flight at one of the flying schools during the first semester. They also are able to engage in the Australian Youth Rocketry Challenge and the Unmanned Aerial Vehicle Challenge.

ASSESSMENT

Students will be required to complete two assessment pieces each semester. Items include an assignment or project, and an exam.

FUTURE OPTIONS

This subject prepares students to enter careers in the aerospace industry. The school has direct links with Aviation Australia at Brisbane Airport and ATAE at Archerfield Airport for students interested in becoming flight attendants or aircraft maintenance engineers. We also have links with flying schools at Archerfield Airport for students interested in becoming pilots.

For more information please contact Matt Reid, Head of Department - Partnerships, Digital Learning, Aerospace and Aviation
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