

AEROSPACE SYSTEMS



What will students learn?

In consultation with aerospace industry, tertiary education representatives and high school teachers with Aerospace Studies teaching expertise, the Aerospace Systems syllabus was developed to cover an introduction to aerospace systems and structures; emerging aerospace technologies; aerospace operational systems and aircraft performance systems and human factors.

During this course of study, Aerospace Systems students learn transferrable 21st century skills that support their life aspirations, including:

- critical thinking
- creative thinking
- communication
- collaboration and teamwork
- personal and social skills
- information & communication technologies (ICT) skills.

Students who study Aerospace Systems 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 enables them to solve real-world aerospace problems using the problem-solving process in Aerospace Systems.

Students become adaptable and resilient through their problem-solving learning experiences, improving their ability to interpret events, analyze situations and comprehend cause-and-effect relationships.

Students recognise the complexity of global, national and local community problem situations and understand the challenges faced in generating sustainable and durable solutions.

Where can Aerospace Systems lead?

A course of study in Aerospace Systems can establish a basis for further education and employment in the fields of aviation management, flying streams, engineering and aerospace technical disciplines.

Aerospace Systems is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work.

The study of Aerospace Systems also benefits students wishing to pursue post-school pathways in diploma and advanced diploma courses in the technical and paraprofessional areas of customer relationship management, workplace health and safety, engineering, human resource management, systems analysis and technology-related areas

Reference link:

<https://www.qcaa.qld.edu.au/senior/senior-subjects/technologies/aerospace-systems>