



<b>INCOMPATIBLE SUBJECTS</b>	GENERAL MATHEMATICS ESSENTIAL MATHEMATICS	<b>DEPENDENT SUBJECTS</b>	GENERAL ENGLISH MATHEMATICAL METHODS
<b>PRE-REQUISITE SUBJECTS</b>	YEAR 10 MATHEMATICS - B YEAR 10 ENGLISH - B	<b>POTENTIAL QCE POINTS</b>	4
<b>COURSE DURATION</b>	TWO YEARS	<b>CONTRIBUTES TO ATAR</b>	YES
<b>FINANCIAL COMMITMENT</b>	REFER TO SRS & SUBJECT FEE SCHEDULE	<b>SUBJECT PATHWAY</b>	GENERAL
<b>COURSE REQUIREMENTS</b>	<p>Students require an approved Graphics Calculator for this subject. Click on the link below to find an approved calculator.  <a href="https://www.qcaa.qld.edu.au/downloads/senior-qce/common/snr_syll_ea_graphics_calculators_list.pdf">https://www.qcaa.qld.edu.au/downloads/senior-qce/common/snr_syll_ea_graphics_calculators_list.pdf</a>.            Calculators may also be borrowed from the school, through the Student Resource Scheme.</p>		

#### COURSE CONTENT

UNIT 1	ASSESSMENT
Combinatorics, vectors in the plane and introduction to proof.	Exam Assignment: PSMT
UNIT 2	ASSESSMENT
Complex numbers, trigonometry, functions and matrices.	Exam Assignment: PSMT
UNIT 3	ASSESSMENT
Mathematical induction, and further vectors, matrices and complex numbers.	Assignment: PSMT Exam
UNIT 4	ASSESSMENT
Further calculus including integration and applications of integration, rates of change and differential equations. Statistical inference.	Exam Exam (External)

#### CAREER PATHWAYS

A course of study in Specialist Mathematics can establish a basis for further education and employment in the fields of science, all branches of mathematics and statistics, computer science, medicine, engineering, finance and economics.

#### FIND OUT MORE

<https://www.qcaa.qld.edu.au/senior/senior-subjects/mathematics/specialist-mathematics>

In the following video, an engineering graduate talks about how maths has helped in coding drones to deliver packages:

<https://www.youtube.com/watch?v=TBA2nsN88SA>

[Careers Powered by Maths](#)