



<b>INCOMPATIBLE SUBJECTS</b>	GENERAL MATHEMATICS ESSENTIAL MATHEMATICS	<b>DEPENDENT SUBJECTS</b>	GENERAL ENGLISH
<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>	Students require an approved Graphics Calculator for this subject. <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> These items may be borrowed from the school if participating in the Student Resource Scheme.		

#### COURSE CONTENT

UNIT 1	ASSESSMENT
<b>Algebra, statistics and functions</b> Covering arithmetic and geometric sequences and series, Functions and graphs, counting and probability, exponential functions, arithmetic and geometric sequences and series.	<b>Assignment:</b> PSMT Exam
UNIT 2	ASSESSMENT
<b>Calculus and further functions</b> Covering exponential functions, the logarithmic function, trigonometric functions, differential calculus, further differentiation and applications, discrete random variables.	<b>Assignment:</b> PSMT Exam
UNIT 3	ASSESSMENT
<b>Further Calculus</b> Covering logarithmic functions, further differentiation and applications, integrals.	<b>Assignment:</b> PSMT Exam
UNIT 4	ASSESSMENT
<b>Further functions and statistics</b> Covering further differentiation and applications, trigonometric functions, discrete random variables, continuous random variables and the normal distribution, interval estimates for proportions.	Exam Exam (External)

#### CAREER PATHWAYS

A course of study in Mathematical Methods can establish a basis for further education and employment in the fields of natural and physical sciences mathematics and science education, medical and health sciences, engineering, computer science, psychology and business.

#### FIND OUT MORE

In the following video a vet talks about why she selected Maths B (now called Mathematical Methods)

<https://www.youtube.com/watch?v=is7cV5QOYag>

<https://www.qcaa.qld.edu.au/senior/senior-subjects/mathematics/mathematics-methods#:~:text=About%20Mathematical%20Methods,their%20graphs%2C%20calculus%20and%20statistics.>