



INCOMPATIBLE SUBJECTS	GENERAL MATHEMATICS ESSENTIAL MATHEMATICS	DEPENDENT SUBJECTS	GENERAL ENGLISH
PRE-REQUISITE SUBJECTS	YEAR 10 MATHEMATICS - B YEAR 10 ENGLISH - B	POTENTIAL QCE POINTS	4
COURSE DURATION	TWO YEARS	CONTRIBUTES TO ATAR	YES
FINANCIAL COMMITMENT	REFER TO FEE SCHEDULE	SUBJECT PATHWAY	GENERAL
COURSE REQUIREMENTS	<p>Students require an approved Graphics Calculator for this subject. https://www.qcaa.qld.edu.au/downloads/senior-qce/common/snr_syll_ea_graphics_calculators_list.pdf These items may be borrowed from the school if participating in the Student Resource Scheme.</p>		
COURSE CONTENT			
UNIT 1		ASSESSMENT	
Algebra, statistics and functions Covering arithmetic and geometric sequences and series, Functions and graphs, counting and probability, exponential functions, arithmetic and geometric sequences and series.		Assignment: PSMT Exam	
UNIT 2		ASSESSMENT	
Calculus and further functions Covering exponential functions, the logarithmic function, trigonometric functions, differential calculus, further differentiation and applications, discrete random variables.		Assignment: PSMT Exam	
UNIT 3		ASSESSMENT	
Further Calculus Covering logarithmic functions, further differentiation and applications, integrals.		Assignment: PSMT Exam	
UNIT 4		ASSESSMENT	
Further functions and statistics 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.qcaa.qld.edu.au/senior/senior-subjects/mathematics/mathematics-methods#:~:text=About%20Mathematical%20Methods,their%20graphs%2C%20calculus%20and%20statistics. https://www.youtube.com/watch?v=is7cV5QOYag	