

Mathematics

Subject	Hours	TCE credit points	EAS LIT	EAS NUM	EAS ICT	Recommended prior studies and/or entry requirements	Locations
Financial Literacy Level 1	50	5				no entry requirements	HH
Essential Skills - Maths Level 2	100	10		✓		- an <i>Approaching Expected Standard low</i> in Year 10 Mathematics - access requirements apply to this course	DS WS HH HC
Essential Mathematics - Workplace Level 2	150	15		✓		an <i>Approaching Expected Standard high</i> in Year 10 Mathematics	WS HC
General Mathematics Level 2	150	15		✓		an <i>At Expected Standard</i> in Year 10 Mathematics	TH HC
General Mathematics Level 3	150	15		✓		an <i>Above Expected Standard</i> in Year 10 Mathematics OR HA in General Mathematics 2	TH HC
Mathematics Methods Foundation Level 3	150	15		✓		an <i>Above Expected Standard</i> in Year 10 Mathematics OR solid algebra skills	WS TH HC
Mathematics Methods Level 4	150	15		✓		an <i>Above Expected Standard</i> in Year 10 Mathematics AND Year 10A, or a CA or better in Mathematics Methods Foundation 3	TH HC
Mathematics Specialised Level 4	150	15		✓		a CA or better in Mathematics Methods 4	TH HC

Financial Literacy Level 1

What will I learn?

- combines knowledge, skills, attitudes, and behaviors to make informed financial decisions
- navigate finances effectively

How will I learn and be assessed?

- practical investigation tasks
- regular assignments

Essential Skills - Maths Level 2

What will I learn?

- to develop essential numeracy and mathematical skills for use in the workplace and in everyday life
- a working knowledge of core mathematical operations
- to solve measurement problems using length area and volume
- about earning and managing money
- to develop skills to read, interpret and draw graphs

How will I learn and be assessed?

- practical investigation tasks
- regular assignments

Other

- a good course to prepare for employment post-Year 12
- access requirements apply to this course

Essential Mathematics - Workplace Level 2

What will I learn?

- strategies and solutions for using mathematical techniques including algebraic processes, finance and money management, graphs, measurement, scales, plans and models
- creative, critical and reflective thinking strategies for solving problems

How will I learn and be assessed?

- practical investigation tasks
- regular assignments

Other

- a good course to prepare for employment post-Year 12

General Mathematics Level 2

What will I learn?

- apply reasoning skills and solve practical problems in consumer arithmetic, linear algebra, measurement, univariate data analysis and graphs
- use statistical and mathematical language to communicate arguments and strategies when solving mathematical problems
- choose and use technology appropriately

How will I learn and be assessed?

- practical investigation tasks
- regular assignments

Other:

- this is an appropriate course for Year 11 students to prepare them for further mathematics studies in Year 12 or for employment post-Year 12

General Mathematics Level 3

What will I learn?

- apply reasoning skills and solve practical problems involving finance, bivariate data analysis, graphs and networks, growth and decay
- to use mathematical and statistical language to communicate arguments and strategies when solving mathematical problems
- use CAS and other technology appropriately

How will I learn and be assessed?

- regular assignments and tests
- regular homework schedule
- mid-year internally assessed exam and an externally assessed exam

Other

- a good subject to prepare for employment and/or some university courses

Mathematics Methods Foundation Level 3

What will I learn?

- apply reasoning skills and solve problems involving algebra, functions and graphs, exponential functions, circular functions, differential calculus and probability
- use mathematical and statistical language to communicate arguments and strategies when solving mathematical problems
- use CAS and other technology appropriately

How will I learn and be assessed?

- regular assignments and tests
- regular homework schedule
- mid-year internally assessed exam and an externally assessed exam

Other

- a requirement for Mathematics Methods 4 and a good course to prepare for a range of university studies

Mathematics Methods Level 4

What will I learn?

- apply reasoning skills and solve problems involving algebra, functions, circular functions, differential and integral calculus and probability
- use mathematical and statistical language to communicate arguments and strategies when solving mathematical problems
- use CAS and other technology appropriately

How will I learn and be assessed?

- regular assignments, tests and homework schedule
- mid-year internally assessed exam and an externally assessed exam

Other

- a requirement for Mathematics Specialised 4 and an excellent course for a range of university studies

Mathematics Specialised Level 4

What will I learn?

- apply reasoning skills and solve problems involving matrices, sequence and series, differential and integral calculus and complex numbers
- use mathematical language to communicate arguments and strategies when solving mathematical problems
- use CAS and other technology appropriately

How will I learn and be assessed?

- regular assignments, tests and homework schedule
- mid-year internally assessed exam and an externally assessed exam

Other

- a good course for lovers of mathematics!
- preferred for university studies in engineering, sciences and most STEM fields