

Bachelor of Mathematical Science (Honours) 2023 Study Planner



Science & Engineering

Semester 1 Start:

First Level	Semester 1	COMP1102 Computer Programming 1	MATH1121 Mathematics 1A	One of: STEM1001 Nature of STEM OR ENGR1401 Professional Skills	Option Topic: <i>First of four topics with the same topic prefix, selected from within the College of Science and Engineering</i>
	Semester 2	STAT1132 Statistical Analysis	MATH1122 Mathematics 1B	Elective Topic	Option Topic: <i>Second of four topics with the same topic prefix, selected from within the College of Science and Engineering</i>
Second Level	Semester 1	MATH2702 Linear Algebra and Differential Equations	MATH2711 Several Variable Calculus	Elective Topic	Option Topic: <i>Third of four topics with the same topic prefix, selected from within the College of Science and Engineering (must be at Upper Level)</i>
	NS1	ENGR3750 Workplace Preparation (0 units)			
	Semester 2	MATH2701 Principles of Analysis	MATH2722 Numerical Analysis	STAT2702 Probability	Option Topic: <i>Final of four topics with the same topic prefix, selected from within the College of Science and Engineering (must be at Upper Level)</i>
Third Level	Semester 1	MATH3702 Methods of Applied Mathematics	MATH3703 Optimisation	STAT3701 Statistical Science	Elective Topic <i>only if selecting STEM3004</i>
	Semester 2	MATH3711 Complex Analysis	MATH3712 Partial Differential Equations	STEM3004 12 week Industry-bas Practicum (9 units) OR STEM3005 20 week Industry-bas Practicum (13.5 units)	
Fourth Level	Semester 1	STEM7001 Research Methods for Science Honours	STEM7000A Honours Research Thesis (4.5/22.5 units)	STEM7000B Honours Research Thesis (4.5/22.5 units)	Option Topic
	Semester 2	STEM7000C Honours Research Thesis (4.5/22.5 units)	STEM7000D Honours Research Thesis (4.5/22.5 units)	STEM7000E Honours Research Thesis (4.5/22.5 units)	Option Topic

Semester 2 Start:

First Level	Semester 2	MATH1121 Mathematics 1A	COMP1102 Computer Programming 1	Elective Topic	Option Topic: <i>First of four topics with the same topic prefix, selected from within the College of Science and Engineering</i>
	Semester 1	MATH1122 Mathematics 1B	One of: STEM1001 Nature of STEM OR ENGR1401 Professional Skills	Elective Topic	Option Topic: <i>Second of four topics with the same topic prefix, selected from within the College of Science and Engineering</i>
Second Level	Semester 2	STAT1132 Statistical Analysis	MATH2701 Principles of Analysis	MATH2722 Numerical Analysis	STAT2702 Probability
	Semester 1	MATH2702 Linear Algebra and Differential Equations	MATH2711 Several Variable Calculus	Option Topic: <i>Third of four topics with the same topic prefix, selected from within the College of Science and Engineering (must be at Upper Level)</i>	Option Topic: <i>Third of four topics with the same topic prefix, selected from within the College of Science and Engineering (must be at Upper Level)</i>
	NS1	ENGR3750 Workplace Preparation (0 units)			
Third Level	Semester 2	MATH3711 Complex Analysis	MATH3712 Partial Differential Equations	STEM3004 12 week Industry-bas Practicum (9 units) OR STEM3005 20 week Industry-bas Practicum (13.5 units)	
	Semester 1	MATH3702 Methods of Applied Mathematics	MATH3703 Optimisation	STAT3701 Statistical Science	Elective Topic <i>only if selecting STEM3004</i>
Fourth Level	Semester 2	STEM7001 Research Methods for Honours	STEM7000A Honours Research Thesis (4.5/22.5 units)	STEM7000B Honours Research Thesis (4.5/22.5 units)	Option Topic
	Semester 1	STEM7000C Honours Research Thesis (4.5/22.5 units)	STEM7000D Honours Research Thesis (4.5/22.5 units)	STEM7000E Honours Research Thesis (4.5/22.5 units)	Option Topic

Key:

Core Topics	Compulsory topic
Option Topics	A choice from a list of specified topics (please refer to course rule)
Elective	Any topic offered by the University at the appropriate year level, provided entry and course requirements are met and that no more than 45 units of First Year topics are included in the 108-unit program.

Please note:

- This document is provided as a guide only. Students are responsible for ensuring that they have completed their study according to the official [Course Rule](#).
- Topic information for all topics, including pre-requisites can be found on the [Topic Page](#)
- General enrolment assistance is available via [Ask Flinders](#)
- For specific course advice e-mail: courseadvice.SE@flinders.edu.au