Master of Science (Mathematics)
2024 Study Planner

Flinders University
Science & Engineering

Semester 1 Start:

Year One	Semester 1	**COMP8702** Computer Programming 1 GE	**STEM8001** Advanced Professional Skills	**MATH8703** Multivariable Calculus GE	**MATH8705** Linear Algebra and Differential Equations GE
	Semester 2	**COMP8781** Computer Mathematics GE	**STAT8102** Probability GE	**MATH8704** Principles of Analysis GE	**MATH8722** Numerical Analysis GE

In consultation with the course coordinator, students can choose between either a Thesis or Project to complete during the second year of the program

Year Two (Option One)	Semester 1	**STAT9701** Statistical Science GE	**MATH9702** Methods of Applied Mathematics GE	**MATH9703** Optimisation GE	**MATH9710A** Masters Project (4.5/9 units)
	Semester 2	**COMP8741** Advanced Software Development Practices	**MATH9711** Complex Analysis GE	**MATH9712** Partial Differential Equations GE	**MATH9710B** Masters Project (4.5/9 units)

OR

Year Two (Option Two)	Semester 1	**STEM9003** Research Methods for Engineering and ICT Masters	**STEM9100A** Masters Research Project	**Year Two Option Topic**	**Year Two Option Topic**
	Semester 2	**STEM9100B** Masters Research Project	**STEM9100C** Masters Research Project	**Year Two Option Topic**	**Year Two Option Topic**

Semester 2 Start:

Year One	**Semester 2**	**COMP8781** Computer Mathematics GE	**STAT8102** Probability GE	**MATH8704** Principles of Analysis GE	One of **MATH9711** Complex Analysis GE OR **MATH9712** Partial Differential Equations GE
	Semester 1	**COMP8702** Computer Programming 1 GE	**STEM8001** Research methods and Professional Skills	**MATH8703** Multivariable Calculus GE	**MATH8705** Linear Algebra and Differential Equations GE

In consultation with the course coordinator, students can choose between either a Thesis or Project to complete during the second year of the program

Year Two (Option One)	**Semester 2**	Two of: **COMP8741** Advanced Software Development Practices OR **MATH9711** Complex Analysis GE OR **MATH9712** Partial Differential Equations GE		**MATH8722** Numerical Analysis GE	**MATH9710A** Masters Project
	Semester 1	**STAT9701** Statistical Science GE	**MATH9702** Methods of Applied Mathematics GE	**MATH9703** Optimisation GE	**MATH9710B** Masters Project

OR

Year Two (Option Two)	**Semester 2**	**STEM9003** Research Methods for Engineering and ICT Masters	**STEM9100A** Masters Research Project	**Year Two Option Topic**	**MATH8722** Numerical Analysis GE
	Semester 1	**STEM9100B** Masters Research Project	**STEM9100C** Masters Research Project	**Year Two Option Topic**	**Year Two Option Topic**

Key:

Core Topics	Compulsory topic
Option Topics	A choice from a list of specified topics (please refer to course rule)

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

This guide is correct at time of publishing but is subject to change October 2023