

APPLIED MATHEMATICS STREAM



University of South Australia

Enrolment Advice

2012

PROGRAM NAME	Bachelor of Mathematical Sciences (Applied Mathematics), (Statistics), (Optimisation)	PROGRAM CODE	LBMA	SCHOOL CODE	MAT
ACADEMIC PLAN	Undergraduate	YEAR LEVEL	3	CAMPUS	MAWSON LAKES
CAMPUS CENTRAL OFFICE (Please contact Campus Central if you need help with enrolling or have any queries about the information on this form)	Campus Central Mawson Lakes Ground floor, A Building	EMAIL	campuscentral.mawsonlakes@unisa.edu.au		PHONE 8302 3511
SCHOOL (Please contact the School Office if you have any other queries)	School of Mathematics & Statistics	EMAIL	<Generic School email address>		PHONE 8302 0525

DEFINITIONS:

Area + Catalogue Number

A 4-letter area code plus a 4-digit catalogue number make up the course code, eg **BIOL 1033**. You can

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search for courses by using this code.

Class Number

Every class at UniSA has a unique number (eg **24813**). You use this number to enrol. Both the **enrolment class** and **related classes** have class numbers.

Enrolment Class

This can be a **lecture (LEC)**, **tutorial (TUT)**, **workshop (WSH)** or **practical (PRA)**, to name a few examples. It is the first class you must enter when you are enrolling.

Related Classes (Non-Enrol Classes)

These are other required components of the course, and are in addition to the **enrolment class**. They can be one of the following class types - **lecture**, **tutorial**, **workshop** or **practical**, to name a few. In most cases you will have a choice (eg 1 tutorial to be chosen from 7).

However, in some courses, once you select the **enrolment class** you are automatically enrolled (**auto-enrol**) in a related class (eg a particular tutorial or practical at a particular time). The class number will be listed in the Auto-enrol column.

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Study Period	Area	Catalogue Number	Course	Enrolment Class	Related Class	Related Class	Related Class	Notes
2	MATH	3031	Complex Analysis	WSH	TUT	PRA	LEC	
				NO	22892	NO	22893	
2	MATH	3025	Differential Equations 2	LEC	TUT	PRA	WSH	
				21275	21274	Yes	NO	
2	MATH	3009-	Optimisation	LEC	TUT	PRA	WSH	
				21384	NO	NO	NO-	
2	MATH	3021	Mathematics Clinic 1	LEC	TUT	PRA	WSH	See Note 3
			OR	-YES	NO-	YES-	25072	
2	MATH	3036	Variational Calculus	WSH	TUT	PRA	LEC	
				NO	NO	NO	22873	
5	MATH	3037	Vector Calculus with Applications	LEC	TUT	PRA	WSH	
				52520	51183	NO	NO	

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5	MATH	3026	Applied Functional Analysis	LEC	TUT	PRA	WSH	
				51184	51183	NO	NO	
5	MATH	3034	Advanced Mathematics Clinic	WSH	TUT	PRA	LEC	See Note 4
			OR	NO	NO	NO	52535	
5	MATH	3013	Mathematics Project 2	LEC	TUT	PRA	WSH	
				54492	NO	NO	NO	

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5	MATH	3026	Applied Functional Analysis	LEC	TUT	PRA	WSH	
				51184	51183	NO	NO	
5	MATH	3034 3013	Advanced Mathematics Clinic or Mathematics Project 2					See Note 4

NOTES:

- Students are provided with the opportunity to specialise in a related science discipline of either: Computer Science; Biology; Chemistry or Physics by selecting one of the science-based Directed Electives from the list in the schedule above. Should a student wish to continue their science-discipline studies in Study Period 5, they are encouraged to do so by enrolling in subsequent courses: Programming Fundamentals; Chemistry 101; Applied Physics 2 or Biological Science 101 as their university-wide elective.
- Students may select a freely chosen Elective course from any other School or Division. It is recommended that students do not select electives in the discipline of Mathematics. A list of elective courses is available from the UniSA website via <http://www.unisanet.unisa.edu.au/programs>. The selection will be subject to availability and satisfaction of pre-requisite requirements.
- The availability of Mathematics Clinic 1 is dependent upon student eligibility and minimum enrolment requirements. Should Mathematics Clinic 1 not be offered, students in the Applied Mathematics and Optimisation streams will be advised to enrol in Variational Calculus. Students in the Statistics stream will be advised to enrol in Design and Analysis of Experiments.

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4. Advanced Mathematics Clinic is a continuation of the group project commenced in Mathematics Clinic 1. When Clinic is not available, students will be required to enrol in Mathematics Project 2 (MATH 3013) in lieu of Advanced Mathematics Clinic in Study Period 5.