

Bachelor of Mathematics/Bachelor of Science

2020 Dual Program Structure

It is important that you read and understand the following information about your dual program.

It is your responsibility to ensure that you complete all the requirements for each section of this dual program in order to graduate with both degrees. The following information is designed to help you plan your enrolment to meet this goal. Further information can be found in the Official Rules and Course lists under the **Program Rules and Requirements** link for each program in the Programs and Courses website: <http://www.uq.edu.au/study/>

You are not required to submit this program plan for approval. However, if you have any questions or concerns about meeting program requirements, especially when you are nearing the end of your program, please contact the Faculty of Science for advice.

Please note: Students exiting early with one component of a dual degree must complete the single degree requirements of that component. Students will then be required to follow the single degree rules to complete the remaining component from that dual degree.

PROGRAM GUIDELINES

You must complete a total of 64 units for the program.

Bachelor of Mathematics component requirements:

32 units towards the BMath component, comprising:

- 14 units from Part A of the BMath course list; and
 - 14 units from Part B or Part C of the BMath course list or a combination of both; and
 - 4 units from the BMath course list, or Part A or Part B of the BSc course list, or courses approved by the Associate Dean (Academic).
- Students may complete a major in an area defined in Part B by completing an approved combination of 16 units.
 - Students must complete a minimum of 8 late year courses (Level 3 or higher) from Part A and/or B and no more than 24 units of Level 1 courses.
 - Recommended study plans for each major can be found at: <http://planner.science.uq.edu.au/content/bachelor-of-mathematics>
 - Please contact the Faculty of Science on (07) 3365 1888 for more information.

Bachelor of Science component requirements:

32 units towards the BSc component, comprising:

- 6 units from Part A including SCIE1000 (excluding STAT1201);
 - 14 units from Part B; and
 - 12 units from Part A or Part B or a combination of both.
- Students must complete a single major (6 units Level 2 and 8 units Level 3), an extended major or a dual major (10 units Level 2 and 12 units Level 3).
 - Students must complete a minimum total of 12 units of late year (Level 3 or higher) courses from Part B of the BSc course list, of which at least 8 units will be from the major.
 - Students are required to complete STAT1301 for the BMath component and may not enrol in STAT1201. A student can count STAT1301 to either the BMath or BSc component of the dual. Recommended study plans for each major can be found at: <https://planner.science.uq.edu.au/content/bachelor-of-science>
 - Please contact the Faculty of Science on (07) 3365 1888 for more information.

Bachelor of Mathematics/Bachelor of Science 2020 Dual Degree Program Planner

BACHELOR OF MATHEMATICS		BACHELOR OF SCIENCE	
	Total Units		Total Units
YEAR ONE		YEAR ONE	
Semester 1		Semester 1	
MATH1051 Calculus & Linear Algebra* +	2	SCIE1000 Theory & Practice in Science	2
MATH1061 Discrete Mathematics	2	Level 1 pre-requisite for major	2
Semester 2		Semester 2	
MATH1052 Multivariate Calculus & Ordinary Differential Equations ++	2	Level 1 pre-requisite for major	2
STAT1301 Advanced Analysis of Scientific Data**	2	Level 1 pre-requisite for major	2
<i>Summer Semester</i>			
YEAR TWO		YEAR TWO	
Semester 1		Semester 1	
MATH2001 Advanced Calculus and Linear Algebra	2	Level 2 course from major list	2
MATH2400 Mathematical Analysis +++	2	Level 2 course from major list	2
Semester 2		Semester 2	
Level 2 course from BMath Part B or C course list	2	Level 2 course from major list	2
Level 2 course from BMath Part B or C course list	2	Level 2 course from major list or Part B BSc list	2
<i>Summer Semester</i>			
YEAR THREE		YEAR THREE	
Semester 1		Semester 1	
Level 2 course from BMath Part B or C course list	2	Level 2 course from major list or Part B BSc list	2
Level 2 course from BMath Part B or C course list	2	Level 2 course from major list or Part B BSc list	2
Semester 2		Semester 2	
Level 3 course from BMath Part B course list	2	Level 3 course from major list	2
Level 3 course from BMath Part B course list	2	Level 3 course from major list	2
<i>Summer Semester</i>			
YEAR FOUR		YEAR FOUR	
Semester 1		Semester 1	
MATH3401 Complex Analysis	2	Level 3 course from major list	2
Level 3 course from BMath Part B course list	2	Level 3 course from major list	2
Semester 2		Semester 2	
Any level course from the BMath course list or Part A or B of the BSc course list	2	Level 3 course from major list or Part B BSc list	2
Any level course from the BMath course list or Part A or B of the BSc course list	2	Level 3 course from major list or Part B BSc list	2
<i>Summer Semester</i>			
Total (Refer to BMath course list and rules for details on major) Ensure minimum of 8 units late year.	32	Total	32

A student is required to complete STAT1301 for the BMath component and may not enrol in, and must not be granted credit for completing STAT1201. A student can credit STAT1301 to either the BMath or BSc component of the dual.

***Students without Queensland Senior Maths C should complete MATH1050 before MATH1051.**

+ Level 1 Advanced course **MATH1071** Advanced Calculus & Linear Algebra also available

++ Level 1 Advanced course **MATH1072** Advanced Multivariate Calculus & Ordinary Differential Equations also available

+++ Level 2 Advanced course **MATH2401** Mathematical Analysis and Advanced Topics also available

Please Note: Summer Semester is optional.