

Bachelor of Mathematics/Bachelor of Education (Secondary) 2017 Dual Program

Please ensure that you read and understand the following important information about your dual program.

The Bachelor of Mathematics / Bachelor of Education (Secondary) program is a four year pre-service teacher qualification that develops specialist teachers across the year levels 7 – 12 (secondary schooling phase).

It is your responsibility to ensure 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 Courses and Programs website: <http://www.uq.edu.au/study/>

You are not required to submit this program plan for approval. However, if you have any concerns about meeting degree requirements, especially in the year prior to your Professional Year, please contact the relevant Faculty for advice. For advice on the BMath component of your degree, including advice on majors and courses, please contact the Faculty of Science. For advice on the BEd(Sec) component of your degree, including information on teaching area requirements, please contact the Faculty of Humanities and Social Sciences or the School of Education.

PROGRAM GUIDELINES

The Bachelor of Mathematics/ Bachelor of Education (Secondary) dual program consists of the Bachelor of Mathematics which provides the content knowledge for a Mathematics teaching area and the Bachelor of Education (Secondary) which provides the skills, knowledge and practical experience required for teacher registration and employment.

Please note: if you are admitted into this dual program mid-year or obtain credit from previous studies you will need to ensure you structure your program so that you are able to enter the final year of Bachelor of Education component in semester 1 – the final year of the BEd program is a year-long professional year commencing in semester 1 only.

Bachelor of Mathematics component requirements:

#32 units towards the BMath component comprising:

- #14 from Part A; and
- #16 from Part B; and
- #2 from Part B or C, or any other program list.

Students must gain #8 for late year courses from Part A or Part B of the BMath course list or a combination of both.

Note: A 'Late year' course means a course that is Level 3 or higher.

- Students must complete the requirements of the BMath and all courses in Part A of the BEd(Sec) before commencing the Professional (final) Year of the BEd (Sec).
- Please contact the Faculty of Science on (07) 3365 1888 for more information.

Bachelor of Education (Secondary) component requirements:

- #16 from Part A; and
- #16 from Part B.
- Part A teaches issues pertinent to teaching and schooling and is completed in conjunction with the requirements of the BMath degree. The BEd(Sec) Professional Year (Part B) develops professional expertise required for teaching and can only be commenced when the BMath and BEd(Sec) Part A requirements have been met.

This planner is intended as a guide only and is based on current scheduling of courses. Students should note that scheduling can change from year to year. You are advised to check the scheduling for the current year and contact the relevant Faculty for advice if course scheduling has changed.

Bachelor of Mathematics / Bachelor of Education (Secondary)

2017 Dual Degree Program Planner

Students with Senior Maths C

BACHELOR OF MATHEMATICS		BACHELOR OF EDUCATION (SECONDARY)	
	Total Units #		Total Units #
YEAR ONE		YEAR ONE	
Semester 1		Semester 1	
MATH1051 Calculus & Linear Algebra* +	2	EDUC1049 Learning Tools for the 21 st Century	2
MATH1061 Discrete Mathematics	2		
MATH1052 Multivariate Calculus & Ordinary Differential Equations ++ (or can move to sem 2)	2		
Semester 2		Semester 2	
STAT1301 Advanced Analysis of Scientific Data	2	EDUC1029 Introduction to Education	2
Course from BMath Part B course list	2		
Course from BMath Part B course list	2		
<i>Summer Semester</i>			
YEAR TWO		YEAR TWO	
Semester 1		Semester 1	
MATH2001 Advanced Calculus and Linear Algebra	2	EDUC2716 Learning, Mind and Education	2
MATH2400 Mathematical Analysis +++	2	EDUC3701 Diversity and Inclusive Education	2
Semester 2		Semester 2	
Course from BMath Part B course list	2	EDUC2049 Identity, Youth Cultures and education	2
Course from BMath Part B course list	2		
<i>Summer Semester</i>		EDUC2090 Indigenous Knowledge and Education	
YEAR THREE		YEAR THREE	
Semester 1		Semester 1	
MATH3401 Complex Analysis	2	EDUC3079 Becoming a Professional Education	2
Level 3 course from BMath Part B course list	2		
Course from BMath Part B course list	2		
Semester 2		Semester 2	
Level 3 course from BMath Part B course list	2	EDUC3099 Toward Professional Practice	2
Level 3 Course from BMath Part B course list	2		
Any level course from BMath Part B or C course list or other elective if approved by program director.	2		
<i>Summer Semester</i>			
		PROFESSIONAL YEAR	
Semester 1		Semester 1	
		EDUC4710 Introduction to Professional Practice	2
		EDUC4700 Teachers as Researchers	1
		EDUC6725 Mathematics : Curriculum Foundations	1
		EDUC6840 Mathematics: Specialist Teaching Area	1
		EDUC6XXX Elective	1
		[EDUC6XXX Elective	
		EDUC6XXX Elective	

Semester 2		Semester 2	
		EDUC4715 Professional Practice EDUC4700 Teachers as Researchers EDUC6725 Mathematics : Curriculum Foundations EDUC6840 Mathematics: Specialist Teaching Area EDUC6XXX Elective [EDUC6XXX Elective EDUC6XXX Elective	
Total (Refer to BMath course list and rules for details on major)	#32		#32

***Students without Queensland Senior Mathematics 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

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2016 Dual Degree Program Planner

Students without Senior Maths C

BACHELOR OF MATHEMATICS		BACHELOR OF EDUCATION (SECONDARY)	
	Total Units #		Total Units #
YEAR ONE		YEAR ONE	
Semester 1		Semester 1	
MATH1050 Mathematical Foundations	2	EDUC1049 Learning Tools for the 21 st Century	2
MATH1061 Discrete Mathematics	2		
Semester 2		Semester 2	
MATH1051 Calculus & Linear Algebra	2	EDUC1029 Introduction to Education	2
STAT1301 Advanced Analysis of Scientific Data	2		
Level 2 course from major list	2		
<i>Summer Semester</i>			
MATH1052 Multivariate Calculus & Ordinary Differential Equations			
YEAR TWO		YEAR TWO	
Semester 1		Semester 1	
MATH2001 Advanced Calculus and Linear Algebra	2	EDUC2716 Learning, Mind and Education	2
MATH2400 Mathematical Analysis	2	EDUC3701 Diversity and Inclusive Education	2
Semester 2		Semester 2	
Level 2 course from major list	2	EDUC2049 Identity, Youth Cultures and education	2
Level 2 course from major list	2		
Level 2 course from major list	2		
<i>Summer Semester</i>			
YEAR THREE		YEAR THREE	
Semester 1		Semester 1	
MATH3401 Complex Analysis	2	EDUC3079 Becoming a Professional Education	2
Level 3 course from major list	2		
Level 3 course from major list	2		
Semester 2		Semester 2	
Level 3 course from major list	2	EDUC3099 Toward Professional Practice	2
Level 3 course from major list	2	EDUC2090 Indigenous Knowledge and Education	2
<i>Summer Semester</i>			
PROFESSIONAL YEAR		PROFESSIONAL YEAR	
Semester 1		Semester 1	
		EDUC4710 Introduction to Professional Practice	2
		EDUC4700 Teachers as Researchers	1
		EDUC6725 Mathematics : Curriculum Foundation	1
		EDUC6840 Mathematics: Specialist Teaching Area	1
		EDUC6XXX Elective	1
		[EDUC6XXX Elective	
		EDUC6XXX Elective	
Semester 2		Semester 2	

		EDUC4715 Professional Practice	2
		EDUC4700 Teachers as Researchers	1
		EDUC6725 Mathematics : Curriculum Foundation	1
		EDUC6840 Mathematics: Specialist Teaching Area	1
		EDUC6XXX Elective	1
		[EDUC6XXX Elective	1
		EDUC6XXX Elective	
Total (Refer to BMath course list and rules for details on major)	#32		#32

Please note: Summer Semester of Year 1 is compulsory for Students without Senior Mathematics C