

Bachelor of Mathematics/Bachelor of Economics

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: https://my.uq.edu.au/programs-courses/program.html?acad_prog=2395

You may need to amend this plan depending on your choice of major. 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 relevant Faculty for advice. For advice on the BMath component of your degree please contact the Faculty of Science. For advice on the BEcon component of your degree please contact the Faculty of Business, Economics and Law.

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 units late year (Level 3 or higher) courses from Part A and B and no more than 24 units of Level 1 courses can be included in the program.
 - 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 Economics component requirements:

32 units from the BEcon List comprising:

- 18 units from Group 1 (not including ECON1050 or ECON1310); and
- 14 units (with at least 8 units at level 3) from either:
 - o one major in Group 2 (6 units must be at level 3) and 2 units from Group 3; or
 - o elective courses from Group 3 with no more than 4 units of non-ECON coded courses.

BACHELOR OF MATHEMATICS/BACHELOR OF ECONOMICS 2020 DUAL DEGREE PROGRAM PLANNER – SEMESTER 1 COMMENCEMENT

You can use this outline to plan your program (if you are commencing in Semester 2, refer to the plan on page 3).

BACHELOR OF MATHEMATICS		BACHELOR OF ECONOMICS	
Courses	Units	Courses	Units
YEAR ONE		YEAR ONE	
Semester 1		Semester 1	
MATH1051 Calculus & Linear Algebra* +	2	ECON1010 Introductory Microeconomics	2
MATH1061 Discrete Mathematics	2	ECON1020 Introductory Macroeconomics	2
Semester 2		Semester 2	
MATH1052 Multivariate Calculus & Ordinary Differential Equations ++	2	ACCT1101 Accounting for Decision Making	2
STAT1301 Advanced Analysis of Scientific Data	2	ECONxxxx BEcon Group 3 Elective	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
YEAR TWO		YEAR TWO	
Semester 1		Semester 1	
MATH2001 Advanced Calculus and Linear Algebra	2	ECON2010 Microeconomic Theory	2
MATH2400 Mathematical Analysis +++	2	ECON2020 Macroeconomic Theory	2
Semester 2		Semester 2	
Course from the BMath course list or Part A or B of BSc course list	2	ECON2030 Microeconomic Policy	2
Level 2 course from BMath Part B or C course list	2	ECON2040 Macroeconomic Policy	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
YEAR THREE		YEAR THREE	
Semester 1		Semester 1	
Course from the BMath course list or Part A or B of BSc course list	2	ECON2300 Introductory Econometrics	2
Level 2 course from BMath Part B or C course list	2	Course 1 for Major OR Group 3 Elective	2
Semester 2		Semester 2	
Level 2 or 3 course from BMath Part B or C course list	2	Course 2 for Major OR Group 3 Elective	2
Level 2 or 3 course from BMath Part B or C course list	2	ECON3220 Benefit-Cost Analysis for Business	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
YEAR FOUR		YEAR FOUR	
Semester 1		Semester 1	
MATH3401 Complex Analysis	2	Course 3 for Major OR Group 3 Elective	2
Level 3 course from BMath Part B course list	2	Course 4 for Major OR Group 3 Elective	2
Semester 2		Semester 2	
Level 3 course from BMath Part B course list	2	Course 5 for Major OR Group 3 Elective	2
Level 3 course from BMath Part B course list	2	Course 6 for Major OR Group 3 Elective	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
Total units	32	Total units	32

*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

A major in BEcon requires careful planning; please contact your Student Experience Officer in the BEL Faculty for assistance if required.

Please Note: Summer Semester is optional.

BACHELOR OF MATHEMATICS/BACHELOR OF ECONOMICS 2020 DUAL DEGREE PROGRAM PLANNER – SEMESTER 2 COMMENCEMENT

You can use this outline to plan your program if you are commencing in Semester 2.

BACHELOR OF MATHEMATICS		BACHELOR OF ECONOMICS	
Courses	Units	Courses	Units
YEAR ONE		YEAR ONE	
Semester 1		Semester 1	
Semester 2		Semester 2	
MATH1051 Calculus & Linear Algebra* +	2	ECON1010 Introductory Microeconomics	2
STAT1301 Advanced Analysis of Scientific Data	2	ECON1020 Introductory Macroeconomics	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
YEAR TWO		YEAR TWO	
Semester 1		Semester 1	
MATH1052 Multivariate Calculus & Ordinary Differential Equations ++	2	ECON2010 Microeconomic Theory	2
MATH2400 Mathematical Analysis +++	2	ECON2020 Macroeconomic Theory	2
Semester 2		Semester 2	
MATH1061 Discrete Mathematics	2	ECON2030 Microeconomic Policy	2
MATH2001 Advanced Calculus and Linear Algebra	2	ECON2040 Macroeconomic Policy	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
YEAR THREE		YEAR THREE	
Semester 1		Semester 1	
Course from the BMath course list or Part A or B of BSc course list	2	ACCT1101 Accounting for Decision Making	2
Level 2 course from BMath Part B course list	2	ECON2300 Introductory Econometrics	2
Semester 2		Semester 2	
Course from the BMath course list or Part A or B of BSc course list	2	Course 1 for Major OR Group 3 Elective	2
Level 2 course from BMath Part B course list	2	ECON3220 Benefit-Cost Analysis for Business	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
YEAR FOUR		YEAR FOUR	
Semester 1		Semester 1	
Level 2 or 3 course from BMath Part B or C course list	2	Course 2 for Major OR Group 3 Elective	2
Level 2 or 3 course from BMath Part B or C course list	2	Course 3 for Major OR Group 3 Elective	2
Semester 2		Semester 2	
Level 3 course from BMath Part B course list	2	Course 4 for Major OR Group 3 Elective	2
Level 3 course from BMath Part B course list	2	Course 5 for Major OR Group 3 Elective	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
YEAR FIVE		YEAR FIVE	
Semester 1		Semester 1	
MATH3401 Complex Analysis	2	Course 6 for Major OR Group 3 Elective	2
Level 3 course from BMath Part B course list	2	ECONxxxx BEcon Group 3 Elective	2
Total units	32	Total units	32

*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

A major in BEcon requires careful planning; please contact your Student Experience Officer in the BEL Faculty for assistance if required.

Please Note: Summer Semester is optional.