Bachelor of Mathematics/ Bachelor of Computer Science
2019 Dual Degree Program Structure

It is important that you read and understand the following information.

To be eligible to enrol in a dual degree program you must ensure that you satisfy the entry requirements for both programs.

Once enrolled 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/

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.

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 this dual degree program.

Bachelor of Mathematics Requirements:
❖ 32 units from the BMath course list, comprising–
   (i) 14 units from part A; and
   (ii) 2 units for STAT2003; and
   (iii) 12 units from part B or part C or a combination of both; and
   (iv) 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 must complete at least 8 units of late year courses (level 3 or higher) from part A or part B or a combination of both parts of the BMath course list.
❖ A list of recommended study plans for each BMath major is available 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 Computer Science Requirements:

❖ 32 units from the BCompSc course list, comprising–
   (i) 18 units from part A, excluding MATH1051, MATH1061, MATH1071 and STAT2203; and
   (ii) 12 units for either:
            (A) 6 units from part B and 6 units from part C; or
            (B) 12 units for a BCompSc major; and
   (iii) 2 units from the BCompSc course list.
❖ Details of specific course restrictions are available at: http://www.eait.uq.edu.au/be-dual-programs
❖ BCompSc students should discuss their enrolment plan with an academic adviser.
❖ A list of academic advisers is available at - http://www.eait.uq.edu.au/eng-academic-advice

Special rules

Courses in both course lists

(1) Where a course is compulsory in one component of the dual program but not the other, then it must be counted towards the component in which it is compulsory.

(2) Where a course is compulsory in both a selected BMath major and a selected BCompSc major then it must be substituted in one major by a course at the same level or higher from the combination of parts B and C of the BMath course list and parts B and C of the BCompSc course list.

BACHELOR OF COMPUTER SCIENCE/BACHELOR OF MATHEMATICS
DUAL DEGREE PROGRAM STRUCTURE
You can use this outline to plan your program structure.

BACHELOR OF COMPUTER SCIENCE		BACHELOR OF MATHEMATICS	
Please consult your academic adviser for course selection	Units	Please consult your academic adviser for course selection	Units
YEAR ONE		**YEAR ONE**	
Semester 1		**Semester 1**	
CSSE1001 Introduction to Software Engineering	2	MATH1051 or MATH1071	2
CSSE2010 Introduction to Computer Science	2	MATH1061 Discrete Mathematics	2
Semester 2		**Semester 2**	
CSSE2310 Computer Systems Principles & Programming	2	MATH1052 or MATH1072	2
INFS1200 Introduction to Information Systems	2	STAT1301 Adv Analysis of Scientific Data	2
Summer Semester		*Summer Semester*	
YEAR TWO		**YEAR TWO**	
Semester 1		**Semester 1**	
CSSE2002 Programming in the Large	2	MATH2001 Adv Calculus & Linear Algebra II	2
COMP2048 Theory of Computing	2	STAT2003 Probability & Statistics	2
Semester 2		**Semester 2**	
COMP3506 Algorithms & Data Structures	2	MATH2400 or MATH2401	2
*Part B, or Part C course; or BCompSci Major course	2	BMath course from Part B or C	2
Summer Semester		*Summer Semester*	
YEAR THREE		**YEAR THREE**	
Semester 1		**Semester 1**	
*Part B, or Part C course; or BCompSci Major course	2	BMath course from Part B or C	2
*Part B, or Part C course; or BCompSci Major course	2	BMath course from Part B or C	2
Semester 2		**Semester 2**	
COMP4500 Adv Algorithms & Data Structures	2	BMath course from Part B or C	2
DECO3801 Design Computing Studio 3 - build	2	BMath course from Part B or C	2
Summer Semester		*Summer Semester*	
YEAR FOUR		**YEAR FOUR**	
Semester 1		**Semester 1**	
*Part B, or Part C course; or BCompSci Major course	2	MATH3401	2
*Part B, or Part C course; or BCompSci Major course	2	BMath course from Part B or C	2
Semester 2		**Semester 2**	
*Part B, or Part C course; or BCompSci Major course	2	BMath course or course from Part A or B of BScience list	2
Course from BCompSc list	2	BMath course or course from Part A or B of BScience list	2
Summer Semester		*Summer Semester*	
Total	**32**	**Total (Ensure minimum of 8 units late year are included)**	**32**

* Students should complete either 12 units towards a BCompSci major; or a combination of 6 units from Part B and 6 units from Part C
**MATH1050, if taken, must be counted towards the BMath component.

***Please Note:** Summer Semester is optional.*

Please ensure your BCompSc and BMath majors are correctly listed on mySI-net