



Program Overview

Program Code: 2561

Total Units: 64

Please refer to [Bachelor of Computer Science / Master of Cyber Security](#) for further information on the program.

Important Information

- At UQ we refer to your degree as a program and a subject as a course.
- Most UQ courses have a value of 2 units, however some courses may differ. Please check [Programs and Courses](#) for specific course details.
- If you are a full-time student, you will undertake 8 units (usually 4 courses) each semester.
- A course can only count once towards your program requirements.

It is your responsibility to make sure you complete the requirements for each component of this dual program so you can graduate with both programs. You must follow the program requirements, including any additional rules, listed on the [Programs and Courses website](#). This program planner must be used in conjunction with your [Program and Course Requirements](#).

You need to check the prerequisites, incompatible courses, restrictions and semester offerings for all courses you choose in your study plan each semester.

Program Requirements

You must complete a total of 64 units for this program, comprising:

Bachelor of Computer Science (BCompSc) component

48 units from BCompSc course list including –

- 24 units for all BCompSc Core Courses, and
- 16 units for BCompSc Plan Options, and
- 6 units for all BCompSc to MDataSc Core Articulation Courses, and
- 2 units from BCompSc to MDataSc Elective Articulation Courses

Master of Data Science (MDataSc) component

16 units from MDataSc course list including –

- 12 to 14 units for all MDataSc Core Courses, and
- 2 to 4 units from MDataSc Elective Courses

Additional Rules

Your program has additional rules that you need to read carefully to make sure you meet your program requirements for graduation – please refer to your program information on the [Programs and Courses website](#).

Selecting Plans in SI-Net

A plan is a prescribed combination of courses within a program being either a Major (16 units), Extended Major (24 units), or Minor (8 units). Make sure the plans for your program are correctly listed in [mySI-net](#). If you require assistance selecting your plan(s), follow these [instructions](#).

You may need to amend this study planner depending on the plan(s) that you have chosen to study.



Program Planner Guidelines

This planner is intended as a guide only and is based on current scheduling of courses. Please 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.

Global Experience

If you are planning on completing an overseas exchange, you may have to amend this plan. You are strongly encouraged to seek advice as early as possible – preferably in your first or second semester of study.

Changing to a Single Program (Exit Early)

If you exit early with one component of a dual program, you must complete the single program requirements of that component. You will then be required to follow the single program requirements to complete the remaining component from that dual program.

If you decide to change your program at any time during your studies, please contact the relevant faculty for advice.

Further Assistance

If you need more help or have any questions, please contact the relevant faculty for advice:

Bachelor of Computer Science

[Faculty of Engineering, Architecture and Information Technology](#)

Email: enquiries@eait.uq.edu.au

Master of Data Science

[Faculty of Engineering, Architecture and Information Technology](#)

Email: enquiries@eait.uq.edu.au

Program Planners

Bachelor of Computer Science / Master of Data Science

BCompSc Data Science Major

Commencing Semester 1

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Commencing Semester 2

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BCompSc No Major

Commencing Semester 1

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Commencing Semester 2

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2026 Dual Program Planner

Bachelor of Computer Science / Master of Data Science (BCompSc/MDataSc)



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

Semester 1 Commencement | Full-Time Study | BCompSc Data Science Major

Year 1	Bachelor of Computer Science					
	Semester 1					
	CSSE1001	Introduction to Software Engineering	2 units	MATH1061 or MATH1081	Discrete Mathematics Advanced Discrete Mathematics	2 units
	INFS1200	Introduction to Information Systems	2 units	MATH1051 or MATH1071	Calculus & Linear Algebra I Advanced Calculus & Linear Algebra I	2 units
	Semester 2					
	STAT1201 or STAT1301	Analysis of Scientific Data Advanced Analysis of Scientific Data	2 units	COMP1100	Introduction to Software Innovation	2 units
	INFS2200	Relational Database Systems	2 units	CSSE2010	Introduction to Computer Systems	2 units

Year 2	Bachelor of Computer Science					
	Semester 1					
	CSSE2002	Programming in the Large	2 units	MATH1052	Multivariate Calculus & Ordinary Differential Equations (Program Elective in Data Science Major)	2 units
	CSSE2310	Computer Systems Principles and Programming	2 units	DECO2500	Human-Computer Interaction	2 units
	Semester 2					
	COMP3506	Algorithms & Data Structures	2 units	COMP2011	Fundamentals of Data Science	2 units
	COMP2200	Ethical Practice in Computing	2 units	INFS4203	Data Mining	2 units

Year 3	Bachelor of Computer Science					
	Semester 1					
	STAT2003	Mathematical Probability	2 units		BCompSc/MDataSc program elective at level 3 or higher (Substitute for DATA7001)	2 units
		BCompSc/MDataSc program elective at level 3 or higher (Substitute for INFS3200)	2 units	INFS4205	Advanced Techniques for High Dimensional Data	2 units
	Semester 2					
	INFS3200	Advanced Database Systems	2 units	DECO3801	Design Computing Studio 3 - Build	2 units
	MATH7502	Mathematics for Data Science 2	2 units	STAT2004	Statistical Modelling & Analysis	2 units



Semester 1 Commencement | Full-Time Study | BCompSc Data Science Major continued

Year 4	Master of Data Science					
	Semester 1					
	DATA7201	Data Analytics at Scale	2 units	DATA7901	Data Science Capstone Project 1	2 units
	DATA7202	Statistical Methods for Data Science	2 units		MDataSc Elective	2 units
	Semester 2					
	DATA7002	Responsible Data Science	2 units	DATA7902 or DATA7903	Data Science Capstone Project 2	4 units
					Data Science Capstone Project 2B	2 units
	DATA7703	Machine Learning for Data Scientists	2 units		MDataSc Elective	2 units
* Students who have completed COMP2011 towards the BCompSc component of the dual program must not enrol in DATA7001 and must substitute it by 2 units from the BCompSc/MDataSc program list at level 3 or higher						

2026 Dual Program Planner

Bachelor of Computer Science / Master of Data Science (BCompSc/MDataSc)



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AUSTRALIA

CREATE CHANGE

Semester 2 Commencement | Full-Time Study | BCompSc Data Science Major

Year 1	Bachelor of Computer Science					
	Semester 2					
	CSSE1001	Introduction to Software Engineering	2 units	STAT1201 or STAT1301	Analysis of Scientific Data Advanced Analysis of Scientific Data	2 units
	INFS1200	Introduction to Information Systems	2 units	MATH1051	Calculus & Linear Algebra I	2 units
	Semester 1					
	MATH1061 or MATH1081	Discrete Mathematics Advanced Discrete Mathematics	2 units	COMP1100	Introduction to Software Innovation	2 units
	CSSE2010	Introduction to Computer Systems	2 units	CSSE2002	Programming in the Large	2 units

Year 2	Bachelor of Computer Science					
	Semester 2					
	INFS2200	Relational Database Systems		COMP2200	Ethical Practice in Computing	
	COMP3506	Algorithms & Data Structures		COMP2011	Fundamentals of Data Science	
	Semester 1					
	MATH1052	Multivariate Calculus & Ordinary Differential Equations (Program Elective in Data Science Major)	2 units	DECO2500	Human-Computer Interaction	2 units
	STAT2003	Mathematical Probability	2 units		BCompSc/MDataSc program elective at level 3 or higher (Substitute for INFS3200)	2 units

Year 3	Bachelor of Computer Science					
	Semester 2					
	INFS4203	Data Mining	2 units	STAT2004	Statistical Modelling & Analysis	2 units
	INFS3200	Advanced Database Systems	2 units	MATH7502	Mathematics for Data Science 2	2 units
	Semester 1					
	DECO3801	Design Computing Studio 3 – Build	2 units	INFS4205	Advanced Techniques for High Dimensional Data	2 units
		BCompSc/MDataSc program elective at level 3 or higher (Substitute for DATA7001)	2 units	CSSE2310	Computer Systems Principles and Programming	2 units



Semester 2 Commencement | Full-Time Study | BCompSc Data Science Major continued

Year 4	Master of Data Science					
	Semester 2					
	DATA7002	Responsible Data Science	2 units	DATA7901	Data Science Capstone Project 1	2 units
	DATA7703	Machine Learning for Data Scientists	2 units		MDataSc Elective	2 units
	Semester 1					
	DATA7201	Data Analytics at Scale	2 units	DATA7902 OR DATA7903	Data Science Capstone Project 2	4 units
					Data Science Capstone Project 2B	2 units
	DATA7202	Statistical Methods for Data Science	2 units		MDataSc Elective	2 units
* Students who have completed COMP2011 towards the BCompSc component of the dual program must not enrol in DATA7001 and must substitute it by 2 units from the BCompSc/MDataSc program list at level 3 or higher						

2026 Dual Program Planner

Bachelor of Computer Science / Master of Data Science (BCompSc/MDataSc)



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AUSTRALIA

CREATE CHANGE

Semester 1 Commencement | Full-Time Study | BCompSc No Major

Year 1	Bachelor of Computer Science					
	Semester 1					
	CSSE1001	Introduction to Software Engineering	2 units	MATH1061 or MATH1081	Discrete Mathematics Advanced Discrete Mathematics	2 units
	INFS1200	Introduction to Information Systems	2 units	MATH1051 or MATH1071	Calculus & Linear Algebra I Advanced Calculus & Linear Algebra I	2 units
	Semester 2					
	STAT1201 or STAT1301	Analysis of Scientific Data Advanced Analysis of Scientific Data	2 units	COMP1100	Introduction to Software Innovation	2 units
	INFS2200	Relational Database Systems	2 units	CSSE2010	Introduction to Computer Systems	2 units

Year 2	Bachelor of Computer Science					
	Semester 1					
	CSSE2002	Programming in the Large	2 units	MATH1052	Multivariate Calculus & Ordinary Differential Equations	2 units
	CSSE2310	Computer Systems Principles and Programming	2 units	DECO2500	Human-Computer Interaction	2 units
	Semester 2					
	COMP3506	Algorithms & Data Structures	2 units		Computer Science Elective Course	2 units
	COMP2200	Ethical Practice in Computing	2 units		Computer Science Elective Course	2 units

Year 3	Bachelor of Computer Science					
	Semester 1					
	STAT2003	Mathematical Probability	2 units		Computer Science Elective Course	2 units
	DECO3801	Design Computing Studio 3 - Build	2 units	INFS4205	Advanced Techniques for High Dimensional Data (or Computer Science Elective Course)	2 units
	Semester 2					
	INFS3200	Advanced Database Systems	2 units	DATA7001	Introduction to Data Science*	2 units
	MATH7502	Mathematics for Data Science 2	2 units		Computer Science Elective Course (or INFS4203 if INFS4025 not selected above)	2 units

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CREATE CHANGE

Semester 1 Commencement | Full-Time Study | BCompSc No Major continued

Year 4	Master of Data Science					
	Semester 1					
	DATA7201	Data Analytics at Scale	2 units	DATA7901	Data Science Capstone Project 1	2 units
	DATA7202	Statistical Methods for Data Science	2 units		MDataSc Elective	2 units
	Semester 2					
	DATA7002	Responsible Data Science	2 units	DATA7902 or DATA7903	Data Science Capstone Project 2	4 units
					Data Science Capstone Project 2B	2 units
	DATA7703	Machine Learning for Data Scientists	2 units		MDataSc Elective	2 units

* Students who have completed COMP2011 towards the BCompSc component of the dual program must not enrol in DATA7001 and must substitute it by 2 units from the BCompSc/MDataSc program list at level 3 or higher

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Bachelor of Computer Science / Master of Data Science (BCompSc/MDataSc)



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CREATE CHANGE

Semester 2 Commencement | Full-Time Study | BCompSc No Major

Year 1	Bachelor of Computer Science					
	Semester 2					
	CSSE1001	Introduction to Software Engineering	2 units	STAT1201 or STAT1301	Analysis of Scientific Data Advanced Analysis of Scientific Data	2 units
	INFS1200	Introduction to Information Systems	2 units	MATH1051	Calculus & Linear Algebra I	2 units
	Semester 1					
	MATH1061 or MATH1081	Discrete Mathematics Advanced Discrete Mathematics	2 units	COMP1100	Introduction to Software Innovation	2 units
	CSSE2010	Introduction to Computer Systems	2 units	CSSE2002	Programming in the Large	2 units
Year 2	Bachelor of Computer Science					
	Semester 2					
	INFS2200	Relational Database Systems	2 units	COMP2200	Ethical Practice in Computing	2 units
	COMP3506	Algorithms & Data Structures	2 units		Computer Science Elective	2 units
	Semester 1					
	MATH1052	Multivariate Calculus & Ordinary Differential Equations (Program Elective in Data Science Major)	2 units	DECO2500	Human-Computer Interaction	2 units
Year 3	STAT2003	Mathematical Probability	2 units		Computer Science Elective	2 units
	Bachelor of Computer Science					
	Semester 2					
	INFS4203	Data Mining (or Computer Science Elective Course)	2 units		Computer Science Elective	2 units
	INFS3200	Advanced Database Systems	2 units	MATH7502	Mathematics for Data Science 2	2 units
	Semester 1					
	DECO3801	Design Computing Studio 3 – Build	2 units		Computer Science Elective Course (or INFS4205 if INFS4203 not selected above)	2 units
	DATA7001	Introduction to Data Science*	2 units	CSSE2310	Computer Systems Principles and Programming	2 units



Semester 2 Commencement | Full-Time Study | BCompSc No Major continued

Master of Data Science					
Semester 2					
DATA7002	Responsible Data Science	2 units	DATA7901	Data Science Capstone Project 1	2 units
DATA7703	Machine Learning for Data Scientists	2 units		MDataSc Elective	2 units
Semester 1					
DATA7201	Data Analytics at Scale	2 units	DATA7902 or DATA7903	Data Science Capstone Project 2	4 units
				Data Science Capstone Project 2B	2 units
DATA7202	Statistical Methods for Data Science	2 units		MDataSc Elective	2 units

* Students who have

*Students who have completed COMP2011 towards the BCompSc component of the dual program must not enrol in DATA7001 and must substitute it by 2 units from the BCompSc/MDataSc program list at level 3 or higher