

Bachelor of Computer Science

No Major

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Extension Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1061 Discrete Mathematics 1+2
	Sem 1 Feb	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems 1+2		
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures			
	Sem 1 Feb	COMP2048 Theory of Computing			
Year 3	Sem 2 July	DECO3801 Design Computing Studio 3: Build 1+2			
	Sem 1 Feb				

Course offered in both Semester 1 and 2. **1+2**

Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.

Email studentenquiries@eecs.uq.edu.au to make an advising appointment.

Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

2 Choose 8 to 16 units from **BCompSc Introductory Elective Courses**, accounting for prerequisites:

Sem 1	DECO1400	MATH1071**	
Sem 2	COMP1100 COMP2140	COSC2500 DATA2001	INFS2200
Sem 1+2	CSSE2310	DECO2500	MATH1051**

2 Choose 6 to 22 units from **BCompSc Advanced Elective Courses**, accounting for prerequisites:

Sem 1	COMP3320 COMP3400 COMP4403 COMP4702 COMS3200	COSC3000 CSSE3012 CSSE3100 INFS3202 INFS4205	MATH3201 MATH3202 MATH3302
Sem 2	COMP3301 COMP3702 COMP3710 COMP3820	COMP4703 COSC3500 CSSE3200 CYBR3000	DECO3500 INFS3208 INFS4203
Sem 1+2	INFS3200		

3 Choose the remaining 16 units from the following options, accounting for prerequisites:

- **BCompSc Breadth Elective Courses**
- **BCompSc Program Elective Courses**

From the BCompSc Program & Course Requirements

<https://my.uq.edu.au/programs-courses/requirements/program/2451/2024>

- **General Elective Courses**

Note: Of the 48 units required for the the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

**You can only take one of MATH1051 or MATH1071

Bachelor of Computer Science

Major in Cyber Security

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1061 Discrete Mathematics 1+2
	Sem 1 Feb	CSSE2002 Programming in the Large 1+2	CSSE2010 Introduction to Computer Systems 1+2		
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming 1+2		
	Sem 1 Feb	COMP2048 Theory of Computing			
Year 3	Sem 2 July	COMP3301 Operating Systems Architecture	CYBER3000 Information Security	DECO3801 Design Computing Studio 3: Build 1+2	
	Sem 1 Feb	COMP3320 Vulnerability Assessment & Penetration Testing	COMS3200 Computer Networks I		

Course offered in both
Semester 1 and 2.

2 Choose 2 remaining **Major Courses** for some free slots, accounting for prerequisites:

Sem 2 **INFS2200**

Sem 1+2 **CRIM1000** **DECO2500**

3 Fill the remaining free spaces with any of the following, accounting for prerequisites:

- **BCompSc Breadth Elective Courses**
- **BCompSc Program Elective Courses**

From the BCompSc Program & Course Requirements

(<https://my.uq.edu.au/programs-courses/requirements/program/2451/2024>)

- **General Elective Courses**

Note: Of the 48 units required for the the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.

Email studentenquiries@eecs.uq.edu.au to make an advising appointment.

Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

Bachelor of Computer Science

Major in Cyber Security + Major in Data Science

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 	INFS1200 Introduction to Information Systems 	STAT1201* Analysis of Scientific Data 	MATH1061 Discrete Mathematics 
	Sem 1 Feb	CSSE2002 Programming in the Large 	CSSE2010 Introduction to Computer Systems 	CRIM1000 Introduction to Criminology	MATH1051 Calculus & Linear Algebra I OR MATH1071
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming 	DATA2001 Introduction to Data Science	INFS2200 Relational Database Systems
	Sem 1 Feb	COMP2048 Theory of Computing	DECO2500 Human-Computer Interaction	STAT2003 Mathematical Probability	INFS3200 Advanced Database Systems
Year 3	Sem 2 July	COMP3301 Operating Systems Architecture	CYBER3000 Information Security	DECO3801 Design Computing Studio 3: Build 	STAT2004 Statistical Modelling and Analysis
	Sem 1 Feb	COMP3320 Vulnerability Assessment & Penetration Testing	COMS3200 Computer Networks I	COMP4702 Machine Learning	

Course offered in both Semester 1 and 2.

2

Choose the remaining **Secondary Major Course**, accounting for prerequisites, from the **BCompSc Program Elective Courses**

(<https://my.uq.edu.au/programs-courses/requirements/program/2451>)

Note: Of the 48 units required for the the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.

Email studentenquiries@eecs.uq.edu.au to make an advising appointment.

Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

Bachelor of Computer Science

Major in Cyber Security + Major in Machine Learning

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1061 Discrete Mathematics 1+2
	Sem 1 Feb	CSSE2002 Programming in the Large 1+2	CSSE2010 Introduction to Computer Systems 1+2	MATH1051 Calculus & Linear Algebra I Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential Equations 1+2
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming 1+2	COMP3702 Artificial Intelligence	MATH2302 Discrete Mathematics II
	Sem 1 Feb	COMP2048 Theory of Computing	COMP4702 Machine Learning		
Year 3	Sem 2 July	COMP3301 Operating Systems Architecture	CYBER3000 Information Security	COMP3710 Pattern Recognition and Analysis	STAT3006 Statistical Learning
	Sem 1 Feb	COMP3320 Vulnerability Assessment & Penetration Testing	COMS3200 Computer Networks I	DECO3801 Design Computing Studio 3: Build 1+2	

Course offered in both Semester 1 and 2.

2 Choose 2 remaining **Primary Major Courses**, accounting for prerequisites:

Sem 2 **INFS2200**

Sem 1+2 **CRIM1000** **DECO2500**

3 Choose the remaining **Secondary Major Course**, accounting for prerequisites, from the **BCompSc Program Elective Courses**

<https://my.uq.edu.au/programs-courses/requirements/program/2451>

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.

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Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

Bachelor of Computer Science

Major in Cyber Security + Major in Programming Languages

Commencing Semester 2

1

The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1061 Discrete Mathematics 1+2
	Sem 1 Feb	CSSE2002 Programming in the Large 1+2	CSSE2010 Introduction to Computer Systems 1+2	DECO1400 Introduction to Web Design	
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming 1+2	COMP2140 Web/Mobile Programming	
	Sem 1 Feb	COMP2048 Theory of Computing	COMP3400 Functional and Logic Programming	CSSE3100 Reasoning About Programming	
Year 3	Sem 2 July	COMP3301 Operating Systems Architecture	CYBER3000 Information Security	DECO3801 Design Computing Studio 3: Build 1+2	
	Sem 1 Feb	COMP3320 Vulnerability Assessment & Penetration Testing	COMS3200 Computer Networks I	COMP4403 Compilers and Interpreters	

Course offered in both Semester 1 and 2.

2

Choose 2 remaining **Primary Major Courses**, accounting for prerequisites:

Sem 2 **INFS2200**

Sem 1+2 **CRIM1000**
DECO2500

3

Choose 3 remaining **Secondary Major Courses**, accounting for prerequisites,

Sem 2 **INFS2200****

Sem 1+2 **DECO2500****

and from **BCompSc Program Elective Courses**

(<https://my.uq.edu.au/programs-courses/requirements/program/2451>)

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

**Only when not used towards primary major.

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Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

Bachelor of Computer Science

Major in Cyber Security + Major in Scientific Computing

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 	INFS1200 Introduction to Information Systems 	STAT1201* Analysis of Scientific Data 	MATH1061 Discrete Mathematics 
	Sem 1 Feb	CSSE2002 Programming in the Large 	CSSE2010 Introduction to Computer Systems 	MATH1051 Calculus & Linear Algebra I Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential Equations
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming 	COSC2500 Numerical Methods in Computational Science	INFS2200 Relational Database System
	Sem 1 Feb	COMP2048 Theory of Computing	DECO2500 Human Computer Interaction 	COSC3000 Visualisation, Computer Graphics & Data Analysis	SCIE2100 Bioinformatics 1: Introduction
Year 3	Sem 2 July	COMP3301 Operating Systems Architecture	CYBER3000 Information Security	DECO3801 Design Computing Studio 3: Build 	COSC3500 High-Performance Computing
	Sem 1 Feb	COMP3320 Vulnerability Assessment & Penetration Testing	COMS3200 Computer Networks I	CRIM1000 Introduction to Criminology 	

Course offered in both Semester 1 and 2. 

3

Choose the remaining **Secondary Major Course**, from **BCompSc Program Elective Courses**

(<https://my.uq.edu.au/programs-courses/requirements/program/2451>)

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

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Bachelor of Computer Science

Major in Data Science

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1061 Discrete Mathematics 1+2
	Sem 1 Feb	CSSE2002 Programming in the Large 1+2	CSSE2010 Introduction to Computer Systems 1+2	MATH1051 Calculus & Linear Algebra I Or MATH1071	
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	DATA2001 Fundamentals of Data Science	INFS2200 Relational Database Systems	
	Sem 1 Feb	COMP2048 Theory of Computing	STAT2003 Mathematical Probability		
Year 3	Sem 2 July	STAT2004 Statistical Modelling and Analysis	INFS3200 Advanced Database Systems 1+2	DECO3801 Design Computing Studio 3: Build 1+2	
	Sem 1 Feb	COMP4702 Machine Learning			

Course offered in both Semester 1 and 2. **1+2**

2

Fill the remaining free spaces with any of the following, accounting for prerequisites:

- **BCompSc Breadth Elective Courses**
- **BCompSc Program Elective Courses**

From the BCompSc Program & Course Requirements

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- **General Elective Courses**

Note: Of the 48 units required for the the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.

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Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

Bachelor of Computer Science

Major in Data Science + Major in Machine Learning

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1061 Discrete Mathematics 1+2
	Sem 1 Feb	CSSE2002 Programming in the Large 1+2	CSSE2010 Introduction to Computer Systems 1+2	MATH1051 Calculus & Linear Algebra I Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential Equations 1+2
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	DATA2001 Fundamentals of Data Science	INFS2200 Relational Database Systems	MATH2302 Discrete Mathematics II
	Sem 1 Feb	COMP2048 Theory of Computing	STAT2003 Probability Models & Data Analysis		
Year 3	Sem 2 July	STAT2004 Statistical Modelling and Analysis	COMP3710 Pattern Recognition and Analysis	COMP3702 Artificial Intelligence	STAT3006 Statistical Learning
	Sem 1 Feb	COMP4702 Machine Learning	DECO3801 Design Computing Studio 3: Build 1+2	INFS3200 Advanced Database Systems 1+2	

Course offered in both Semester 1 and 2. **1+2**

2 Choose the remaining **Secondary Major Courses**, accounting for prerequisites, from the

BCompSc Program Elective Courses

(<https://my.uq.edu.au/programs-courses/requirements/program/2451>)

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Study plan published 2024.

Bachelor of Computer Science

Major in Data Science + Major in Programming Languages

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 	INFS1200 Introduction to Information Systems 	STAT1201* Analysis of Scientific Data 	MATH1061 Discrete Mathematics 
	Sem 1 Feb	CSSE2002 Programming in the Large 	CSSE2010 Introduction to Computer Systems 	MATH1051 Calculus & Linear Algebra I Or MATH1071	DECO1400 Introduction to Web Design
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	DATA2001 Fundamentals of Data Science	CSSE2310 Computer Systems Principles & Programming	COMP2140 Web/Mobile Programming
	Sem 1 Feb	COMP2048 Theory of Computing	STAT2003 Mathematical Probability	COMP3400 Functional and Logic Programming	CSSE3100 Reasoning About Programming
Year 3	Sem 2 July	STAT2004 Statistical Modelling and Analysis	INFS2200 Relational Database Systems	DECO2500 Human-Computer Interaction	
	Sem 1 Feb	COMP4702 Machine Learning	DECO3801 Design Computing Studio 3: Build 	INFS3200 Advanced Database Systems 	COMP4403 Compilers & Interpreters

Course offered in both Semester 1 and 2. 

2

Choose the remaining **Secondary Major Course**, accounting for prerequisites, from the

BCompSc Program Elective Courses

(<https://my.uq.edu.au/programs-courses/requirements/program/2451>)

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

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Study plan published 2024.

Bachelor of Computer Science

Major in Data Science + Major in Scientific Computing

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 	INFS1200 Introduction to Information Systems 	STAT1201* Analysis of Scientific Data 	MATH1061 Discrete Mathematics 
	Sem 1 Feb	CSSE2002 Programming in the Large 	CSSE2010 Introduction to Computer Systems 	MATH1051 Calculus & Linear Algebra I Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	DATA2001 Fundamentals of Data Science	COSC2500 Numerical Methods in Computational Science	
	Sem 1 Feb	COMP2048 Theory of Computing	STAT2003 Mathematical Probability	SCIE2100 Bioinformatics 1: Introduction	COSC3000 Visualisation, Computer Graphics & Data Analysis
Year 3	Sem 2 July	STAT2004 Statistical Modelling and Analysis	INFS2200 Relational Database Systems	COSC3500 High-Performance Computing	
	Sem 1 Feb	COMP4702 Machine Learning	DECO3801 Design Computing Studio 3: Build 	INFS3200 Advanced Database Systems 	

Course offered in both Semester 1 and 2. 

2 Choose 2 remaining **Secondary Major Courses**, accounting for prerequisites, from the

BCompSc Program Elective Courses

(<https://my.uq.edu.au/programs-courses/requirements/program/2451>)

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.

Email studentenquiries@eecs.uq.edu.au to make an advising appointment.

Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

Bachelor of Computer Science

Extended Major in Data Science

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1061 Discrete Mathematics 1+2
	Sem 1 Feb	CSSE2002 Programming in the Large 1+2	CSSE2010 Introduction to Computer Systems 1+2	MATH1051 Calculus & Linear Algebra I Or MATH1071	
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	DATA2001 Fundamentals of Data Science	INFS2200 Relational Database Systems	INFS3208 Cloud Computing
	Sem 1 Feb	COMP2048 Theory of Computing	STAT2003 Mathematical Probability		
Year 3	Sem 2 July	STAT2004 Statistical Modelling and Analysis	INFS3200 Advanced Database Systems 1+2	INFS4203 Data Mining	COMP3702 Artificial Intelligence
	Sem 1 Feb	COMP4702 Machine Learning	INFS4205 Advanced Techniques for high Dimensional Data	DECO3801 Design Computing Studio 3: Build 1+2	

Course offered in both Semester 1 and 2.

2

Fill the remaining free spaces with any of the following, accounting for prerequisites:

- **BCompSc Breadth Elective Courses**
- **BCompSc Program Elective Courses**

From the BCompSc Program & Course Requirements
(<https://my.uq.edu.au/programs-courses/requirements/program/2451/2024>)

- **General Elective Courses**

Note: Of the 48 units required for the the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.

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Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

Bachelor of Computer Science

Major in Machine Learning

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1061 Discrete Mathematics 1+2
	Sem 1 Feb	CSSE2002 Programming in the Large 1+2	CSSE2010 Introduction to Computer Systems 1+2	MATH1051 Calculus & Linear Algebra I Or MATH1071	
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	COMP3702 Artificial Intelligence	MATH1052 Multivariate Calculus & Ordinary Differential Equations Or MATH1072	MATH2302 Discrete Mathematics II
	Sem 1 Feb	COMP2048 Theory of Computing			
Year 3	Sem 2 July	COMP3710 Pattern Recognition and Analysis	STAT3006 Statistical Learning	DECO3801 Design Computing Studio 3: Build 1+2	
	Sem 1 Feb	COMP4702 Machine Learning			

Course offered in both Semester 1 and 2.

2 Fill the remaining free spaces with any of the following, accounting for prerequisites:

- **BCompSc Breadth Elective Courses**
- **BCompSc Program Elective Courses**

From the BCompSc Program & Course Requirements

<https://my.uq.edu.au/programs-courses/requirements/program/2451/2024>

- **General Elective Courses**

Note: Of the 48 units required for the the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.

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Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

Bachelor of Computer Science

Major in Machine Learning + Major in Programming Languages

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering <i>1+2</i>	INFS1200 Introduction to Information Systems <i>1+2</i>	STAT1201* Analysis of Scientific Data <i>1+2</i>	MATH1061 Discrete Mathematics <i>1+2</i>
	Sem 1 Feb	CSSE2002 Programming in the Large <i>1+2</i>	CSSE2010 Introduction to Computer Systems <i>1+2</i>	MATH1051 Calculus & Linear Algebra I Or MATH1071	DECO1400 Introduction to Web Design
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	MATH1052 Multivariate Calculus & Ordinary Differential Equations Or MATH1072	MATH2302 Discrete Mathematics II	COMP2140 Web/Mobile Programming
	Sem 1 Feb	COMP2048 Theory of Computing	COMP3400 Functional & Logic Programming	COMP4403 Compilers & Interpreters	CSSE2310 Computer Systems Principles & Programming
Year 3	Sem 2 July	COMP3710 Pattern Recognition and Analysis	STAT3006 Statistical Learning	COMP3702 Artificial Intelligence	
	Sem 1 Feb	COMP4702 Machine Learning	DECO3801 Design Computing Studio 3: Build <i>1+2</i>	CSSE3100 Reasoning About Programs	

Course offered in both Semester 1 and 2.

2 Choose 1 remaining **Secondary Major Course**, accounting for prerequisites, from the following:

Sem 2 **INFS2200**

Sem 1+2 **DECO2500**

3 Fill the remaining free space from the

BCompSc Program Elective Courses (<https://my.uq.edu.au/programs-courses/requirements/program/2451>)

Note: Of the 48 units required for the the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.

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Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

Bachelor of Computer Science

Major in Machine Learning + Major in Scientific Computing

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 	INFS1200 Introduction to Information Systems 	STAT1201* Analysis of Scientific Data 	MATH1061 Discrete Mathematics 
	Sem 1 Feb	CSSE2002 Programming in the Large 	CSSE2010 Introduction to Computer Systems 	MATH1051 Calculus & Linear Algebra I Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential Equations Or MATH1072
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	MATH2302 Discrete Mathematics II	INFS2200 Relational Database Systems	COSC2500 Numerical Methods in Computational Science
	Sem 1 Feb	COMP2048 Theory of Computing	COSC3000 Visualisation, Computer Graphics & Data Analysis	SCIE2100 Bioinformatics 1: Introduction	
	Sem 2 July	COMP3710 Pattern Recognition and Analysis	STAT3006 Statistical Learning	COMP3702 Artificial Intelligence	COSC3500 High-Performance Computing
Year 3	Sem 1 Feb	COMP4702 Machine Learning	DECO3801 Design Computing Studio 3: Build 		

Course offered in both Semester 1 and 2.

2

Choose the remaining 3 courses towards the **Secondary Major** from the **BCompSc Program Elective Courses** (<https://my.uq.edu.au/programs-courses/requirements/program/2451>)

Note: Of the 48 units required for the the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

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Bachelor of Computer Science

Major in Programming Languages

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1061 Discrete Mathematics 1+2
	Sem 1 Feb	CSSE2002 Programming in the Large 1+2	CSSE2010 Introduction to Computer Systems 1+2	DECO1400 Introduction to Web Design	
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	COMP2140 Web/Mobile Programming	CSSE2310 Computer Systems Principles & Programming 1+2	
	Sem 1 Feb	COMP2048 Theory of Computing	COMP3400 Functional and Logic Programming	CSSE3100 Reasoning About Programming	
Year 3	Sem 2 July	DECO3801 Design Computing Studio 3: Build 1+2			
	Sem 1 Feb	COMP4403 Compilers & Interpreters			

Course offered in both Semester 1 and 2. **1+2**

2 Choose 1 remaining **Major Courses** from the below, accounting for prerequisites:

Sem 2 **INFS2200**

Sem 1+2 **DECO2500**

3 Fill the remaining free spaces with any of the following, accounting for prerequisites:

- **BCompSc Breadth Elective Courses**
- **BCompSc Program Elective Courses**

From the BCompSc Program & Course Requirements

(<https://my.uq.edu.au/programs-courses/requirements/program/2451/2024>)

- **General Elective Courses**

Note: Of the 48 units required for the the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

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Study plan published 2024.

Bachelor of Computer Science

Major in Programming Languages + Major in Scientific Computing

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	STAT1201* Analysis of Scientific Data	MATH1061 Discrete Mathematics
	Sem 1 Feb	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	DECO1400 Introduction to Web Design	MATH1051 Calculus & Linear Algebra I Or MATH1071
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming	MATH1052 Multivariate Calculus & Ordinary Differential Equations Or MATH1072	COSC2500 Numerical Methods in Computational Science
	Sem 1 Feb	COMP2048 Theory of Computing	CSSE3100 Reasoning About Programming	DECO2500 Human-Computer Interaction	SCIE2100 Bioinformatics 1: Introduction
Year 3	Sem 2 July	DECO3801 Design Computing Studio 3: Build	COMP2140 Web/Mobile Programming	COSC3500 High-Performance Computing	INFS2200 Relational Database Systems
	Sem 1 Feb	COMP4403 Compilers & Interpreters	COMP3400 Functional and Logic Programming	COSC3000 Visualisation, Computer Graphics & Data Analysis	

Course offered in both Semester 1 and 2.

2

Choose the remaining **Secondary Major Course** from the below, accounting for prerequisites:

BCompSc Program Elective Courses

From the BCompSc Program and Course Requirements (<https://my.uq.edu.au/programs-courses/requirements/program/2451>)

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses.

Email studentenquiries@eecs.uq.edu.au to make an advising appointment.

Students must follow the program rules. Future course offerings are subject to change.

Study plan published 2024.

Bachelor of Computer Science

Major in Scientific Computing

Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Major Courses

Year 1	Sem 2 July	CSSE1001 Introduction to Software Engineering 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1061 Discrete Mathematics 1+2
	Sem 1 Feb	CSSE2002 Programming in the Large 1+2	CSSE2010 Introduction to Computer Systems 1+2	MATH1051 Calculus & Linear Algebra I Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential Equations Or MATH1072
Year 2	Sem 2 July	COMP3506 Algorithms & Data Structures	COSC2500 Numerical Methods in Computational Science	INFS2200 Relational Database Systems	
	Sem 1 Feb	COMP2048 Theory of Computing	COSC3000 Visualisation, Computer Graphics & Data Analysis	SCIE2100 Bioinformatics 1: Introduction	
Year 3	Sem 2 July	COSC3500 High-Performance Computing			
	Sem 1 Feb	DECO3801 Design Computing Studio 3: Build 1+2			

Course offered in both Semester 1 and 2.

2

Fill the remaining free spaces with any of the following, accounting for prerequisites:

- **BCompSc Breadth Elective Courses**
- **BCompSc Program Elective Courses**

From the BCompSc Program & Course Requirements

<https://my.uq.edu.au/programs-courses/requirements/program/2451/2024>

- **General Elective Courses**

Note: Of the 48 units required for the the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

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