Bachelor of Science / Computer Science (3789)
Computer Science (COMPA1) / Physics (PHYSL1)
T1 Entry 2025 Sample Plan

UNSW SYDNEY

	Year 1
Term 1	**COMP1511** Programming Fundamentals
	MATH1131 Mathematics 1A **OR** **MATH1141** (Higher) Mathematics 1A
	PHYS1121 Physics 1A **OR** **PHYS1131** Higher Physics 1A
	SCIF0000 (0 UoC) Introduction to University
Term 2	**MATH1231** Mathematics 1B **OR** **MATH1241** (Higher) Mathematics 1B
	PHYS1221 Physics 1B **OR** **PHYS1231** Higher Physics 1B
	COMP1521 Computer Systems Fundamentals
Term 3	**MATH1081** Discrete Mathematics
	COMP1531 Software Engineering Fundamentals

	Year 2
Term 1	**COMP2521** Data Structures and Algorithms
	MATH2089 Numerical Methods and Statistics
	PHYS2111 Quantum Physics
Term 2	**COMP2511** Object-Oriented Design & Programming
	Computer Elective
	Computer Elective
Term 3	**MATH2069** Mathematics 2A
	SCIF1000 Skills in Science

	Year 3
Term 1	**Computer Elective**
	Physics Elective
	Employability Experience Course
Term 2	**PHYS2114** Electromagnetism
	Science Elective
	Employability Experience Course
Term 3	**Computer Elective**
	Physics Elective

	Year 4
Term 1	**PHYS3112** Experimental and Computational Physics
	PHYS3113 Thermal Physics and Statistical Mechanics
	COMP4920 Professional Issues and Ethics in Information Technology
Term 2	**PHYS3111** Quantum Mechanics
	Science Elective
	Computer Elective
Term 3	**COMP3900** Computer Science Project
	COMP3121 Algorithm Design and Analysis **OR COMP3821** Extended Algorithm Design and Analysis
	SCIF3010 (0 UoC) Graduation Portfolio

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

All Level 1 and Level 2 courses are offered in each standard term and electives can be taken in any term. If Level 1 or Level 2 core courses are full, students may take electives first and take core courses in later terms.

COMP1511 is expected to be completed by the end of Term 2 Year 1. Students don't need to take COMP1521, COMP1531 and COMP2521 in sequence. Most Computing Electives require completion of COMP2521, students are recommended to complete COMP2521 in the first year of study if possible.

Bachelor of Science / Computer Science (3789)
Computer Science (COMPA1) / Physics (PHYSL1)
T2 Entry 2025 Sample Plan

UNSW SYDNEY

Year 1

Term 2	**COMP1511** Programming Fundamentals
	MATH1131 Mathematics 1A
	PHYS1121 Physics 1A **OR** **PHYS1131** Higher Physics 1A
	SCIF0000 (0 UoC) Introduction to University
Term 3	**MATH1231** Mathematics 1B **OR** **MATH1241** (Higher) Mathematics 1B
	PHYS1221 Physics 1B **OR** **PHYS1231** Higher Physics 1B
	COMP1531 Software Engineering Fundamentals
Term 1	**COMP1521** Computer Systems Fundamentals
	MATH1081 Discrete Mathematics

Year 2

Term 2	**COMP2521** Data Structures and Algorithms
	Employability Experience Course
Term 3	**MATH2069** Mathematics 2A
	SCIF1000 Skills in Science
	COMP2511 Object-Oriented Design & Programming
Term 1	**MATH2089** Numerical Methods and Statistics
	PHYS2111 Quantum Physics
	Computing Elective

Year 3

Term 2	**PHYS3111** Quantum Mechanics
	PHYS2114 Electromagnetism
	Computing Elective
Term 3	**Physics Elective**
	Science Elective
Term 1	**PHYS3112** Experimental and Computational Physics
	PHYS3113 Thermal Physics and Statistical Mechanics
	Computing Elective

Year 4

Term 2	**Employability Experience Course**
	Computing Elective
	Physics Elective
Term 3	**COMP4920** Professional Issues and Ethics in Information Technology
	Computing Elective
	Science Elective
Term 1	**COMP3900** Computer Science Project
	COMP3121 Algorithm Design and Analysis **OR COMP3821** Extended Algorithm Design and Analysis
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Bachelor of Science / Computer Science (3789)
Computer Science (COMPA1) / Physics (PHYSL1)
T3 Entry 2025 Sample Plan

UNSW SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 3	**COMP1511** Programming Fundamentals	Term 3	**COMP2521** Data Structures and Algorithms	Term 3	**Science Elective**	Term 3	**Science Elective**
	MATH1131 Mathematics 1A **OR** **MATH1141** (Higher) Mathematics 1A		**MATH2069** Mathematics 2A		**Physics Elective**		**Computing Elective**
	PHYS1121 Physics 1A **OR** **PHYS1131** Higher Physics 1A		**SCIF1000** Skills in Science		**Computing Elective**		**Employability Experience Course**
	SCIF0000 (0 UoC) Introduction to University	Term 1	**COMP2511** Object-Oriented Design & Programming	Term 1	**PHYS3112** Experimental and Computational Physics	Term 1	**COMP4920** Professional Issues and Ethics in Information Technology
Term 1	**MATH1231** Mathematics 1B **OR** **MATH1241** (Higher) Mathematics 1B		**MATH2089** Numerical Methods and Statistics		**PHYS3113** Thermal Physics and Statistical Mechanics		**Computing Elective**
	PHYS1221 Physics 1B **OR** **PHYS1231** Higher Physics 1B		**PHYS2111** Quantum Physics		**Computing Elective**		**Physics Elective**
	COMP1531 Software Engineering Fundamentals	Term 2	**PHYS2114** Electromagnetism	Term 2	**PHYS3111** Quantum Mechanics	Term 2	**COMP3900** Computer Science Project
Term 2	**COMP1521** Computer Systems Fundamentals		**Employability Experience Course**		**Computing Elective**		**COMP3121** Algorithm Design and Analysis **OR COMP3821** Extended Algorithm Design and Analysis
	MATH1081 Discrete Mathematics						**SCIF3010** (0 UoC) Graduation Portfolio

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