

# BACS Quantum Computing 2024 Semester 1

Year 1 Sem 1	CITS1401 Computational Thinking with Python	CITS1003 Intro to Cybersecurity	PHIL1001 Ethics for the Digital Age	PHYS1021 Applied Physics
Year 1 Sem 2	CITS1402 Relational Database	CITS2211 Discrete Structures	MATH1012 Mathematical Theory and Methods (offered sem 1 and 2, Prereq Math Specialist or MATH1722)	Elective
Year 2 Sem 1	CITS2200 Data Structures and Algorithms	CITS2005 Object Oriented Programming	CITS2006 Defensive Cybersecurity	Elective
Year 2 Sem 2	CITS3001 Advanced Algorithms	CITS2002 Systems Programming	Elective	PHYS2004 Quantum and Relativity
Year 3 Sem 1	CITS3403 Agile Web Development	CITS3002 Computer Networks	CITS5508 Machine Learning	PHYS4021 Quantum Computation Prereq MATH1012
Year 3 Sem 2	CITS3011 Intelligent Agents	CITS3200 Professional Computing	CITS5507 High Performance Computing	Elective
Year 4 Sem 1	Elective	CITS3007 Secure Coding	CITS4010 Honours Research	CITS4010 Honours Research
Year 4 Sem 2	Elective	PHYS4022 Advanced Quantum Computing	CITS4011 Honours Research	CITS4011 Honours Research

Computer Science Units

Philosophy, Maths and Physics Units

Honours Units