

# BACS Quantum Computing 2024 Semester 2

2024 Sem 2	CITS1401 Computational Thinking with Python*	CITS1003 Intro to Cybersecurity*	CITS1402 Relational Database Management Systems*	MATH1012* Mathematical Theory and Methods <i>Prereq Math Specialist or MATH1722)</i>
2025 Sem 1	CITS2200 Data Structures and Algorithms	CITS2006 Defensive Cybersecurity	PHI L1001 Ethics for the Digital Age	PHYS1021 Applied Physics
2025 Sem 2	CITS3001 Advanced Algorithms	CITS2005 Object Oriented Programming	CITS2211 Discrete Structures	Elective
2026 Sem 1	CITS3007 Secure Coding	CITS3403 Agile Web Development	Elective	Elective
2026 Sem 2	CITS2002 Systems Programming	CITS3200 Professional Computing	CITS3011 Intelligent Agents	PHYS2004 Quantum and Relativity
2027 Sem 1	CITS3002 Computer Networks	Elective	CITS5508 Machine Learning	PHYS4021 Quantum Computation Prereq MATH1012
2027 Sem 2	PHYS4022 Advanced Quantum Computing	CITS5507 High Performance Computing	CITS4010 Honours Research	
2028 Sem 1	Elective	Elective	CITS4011 Honours Research	

Computer Science Units

Philosophy, Maths and Physics Units

Honours Units