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Bachelor of Information Technology

The Bachelor of Information Technology will prepare you for a career working with computers and information, where you'll apply technical skills to solve problems, support innovation, and improve communication between people.

Master of Cyber Security

The Masters of Cyber Security provides a high level, global perspective on cyber security and information security fundamentals. Students learn about the major cyber security challenges facing the world, and a range of responses including technical, policy, organisational, governance and geo-political.

ASD Cyber EXP Journeys

Jessica	Sarah	Alex	Josh	Michelle
Operation Coordinator	Intrusion Analyst	Penetration Tester & Vulnerability Researcher	Malware Analyst	Incident Responder

Bachelor of Information Technology

Core

Code	Course	Jessica	Sarah	Alex	Josh	Michelle
CSSE1001	Introduction to Software Engineering	X	X	X	X	X
DECO1100	Design Thinking		X	X	X	
DECO1400	Introduction to Web Design			X	X	
DECO1800	Design Computing Studio I - Interactive Technology			X	X	
DECO2800	Design Computing Studio 2 - Testing & Evaluation			X	X	
INFS1200	Introduction to Information Systems	X	X	X	X	X
MATH1061	Discrete Mathematics			X		
DECO3801	Design Computing Studio 3- Build			X	X	
CSSE2310	Computer Systems Principles and Programming		X	X	X	X
CSSE2002	Programming in the Large			X		X
DECO2200	Graphic Design		X	X	X	
DECO2300	Digital Prototyping		X	X	X	X
DECO2500	Human-Computer Interaction			X	X	X
DECO3500	Social & Mobile Computing		X	X	X	
DECO3850	Physical Computing & Interaction Design Studio		X		X	X
COMP3702	Artificial Intelligence		X	X	X	X
COMS3000	Information Security	X	X	X	X	X
COMS3200	Computer Networks I	X	X		X	X
COSC3000	Visualization, Computer Graphics & Data Analysis		X	X		X
INFS3202	Web Information Systems	X	X	X	X	X

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Cybersecurity Experience Journeys

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Bachelor of Computer Science [Cyber Security]

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Bachelor of Computer Science [Cyber Security]

Compulsory

Code	Course	Jessica	Sarah	Alex	Josh	Michelle
CSSE1001	Introduction to Software Engineering	X	X	X	X	X
CSSE2002	Programming in the Large		X	X	X	
CSSE2010	Introduction to Computer Systems			X		X
CSSE2310	Computer Systems Principles and Programming			X	X	
COMP2048	Theory of Computing					
COMP3506	Algorithms & Data Structures		X	X	X	X
COMP4500	Advanced Algorithms & Data Structures	X	X	X	X	
DECO3801	Design Computing Studio 3 - Build		X	X		
INFS1200	Introduction to Information Systems	X	X	X	X	X
MATH1051	Calculus & Linear Algebra I		X	X	X	X

Cyber Security Major

Code	Course	Jessica	Sarah	Alex	Josh	Michelle
COMP3301	Operating Systems Architecture	X	X	X	X	X
COMP3320	Vulnerability Assessment and Penetration Testing		X	X	X	X
COMS3000	Information Security	X	X	X	X	X
COMS3200	Computer Networks I	X	X		X	X
COMS4507	Advanced Topics in Security		X	X	X	X
INFS2200	Relational Database Systems		X	X	X	X

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Alex *Penetration Tester & Vulnerability Researcher*
Josh *Malware Analyst*
Michelle *Incident Responder*

Masters of Cyber Security

Interdisciplinary Core

Code	Course	Jessica	Sarah	Alex	Josh	Michelle
CYBR7001	Fundamentals of Cyber Security	X	X	X	X	X
CYBR7002	Information Security Essentials	X	X	X	X	X
CYBR7003	Cyber Security Governance, Policy, Ethics & Law	X	X	X	X	X
CRIM7080	Cyber Warfare, Global Security and Regulation	X	X	X	X	X

Cyber Defence Foundation

Code	Course	Jessica	Sarah	Alex	Josh	Michelle
COMP7308	Operating Systems Architecture		X	X	X	X
COMS7201	Computer Networks I	X	X	X	X	X
INFS7202	Web Information Systems	X	X	X	X	X
INFS7903	Relational Database Systems		X	X	X	X

Cyber Defence Advanced Courses

Code	Course	Jessica	Sarah	Alex	Josh	Michelle
COMP3320	Vulnerability Assessment and Penetration Test		X	X	X	X
COMP7710	Artificial Intelligence for Cyber Security		X	X	X	X
COMP7711	Cyber Incident Response	X	X	X	X	X

Leadership Foundation

Code	Course	Jessica	Sarah	Alex	Josh	Michelle
MGTS7631	Becoming an Effective Leader in Cyber Security	X				X
MGTS7632	Leading the Organisation for Cyber Security	X	X			X
MGTS7633	Leading High Performing Cyber Security Teams	X	X			X
LAWS7023	Business and Corporate Law	X	X			X

Leadership Advanced Courses

Code	Course	Jessica	Sarah	Alex	Josh	Michelle
BISM7620	Cyber Security Risk Management and Controls	X	X			X
LAWS7026	Corporate Governance Law and Practice	X	X			X
MGTS7635	Cyber Security Human Capital Leadership	X				

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Masters of Cyber Security

Cyber Criminology Foundation

		Jessica	Sarah	Alex	Josh	Michelle
CRIM7000	Introduction to Criminology	X	X			X
CRIM7119	Introduction to Criminal Justice	X	X			X
CRIM7120	Australian Crime Policy	X	X			X
CRIM7121	Crime Prevention, Policy & Practice	X	X			X

Cyber Criminology Advanced Courses

		Jessica	Sarah	Alex	Josh	Michelle
CRIM7010	Cyber Crime Foundations		X			X
CRIM7060	Cyber Crime Offending		X			X
CRIM7090	Regulation, Investigation and Responses		X			X

Cryptography Foundation

		Jessica	Sarah	Alex	Josh	Michelle
MATH7051	Calculus & Linear Algebra I			X	X	
MATH7307	Linear & Abstract Algebra & Number Theory			X	X	
MATH7308	Discrete Mathematics II			X	X	
STAT7203	Applied Probability & Statistics			X	X	

Cryptography Advanced Courses

		Jessica	Sarah	Alex	Josh	Michelle
MATH3302	Coding & Cryptography			X	X	
MATH7305	Applied Cryptography			X	X	
MATH7306	Quantum Algorithms and Computing			X	X	

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