

Programme		Bachelor of Computer Science							Bachelor of Business Information Systems	Bachelor of Information Technology	
		Big Data & Cyber Security	Digital Systems Security & Big Data	Digital Systems Security & Cyber Security	Big Data	Cyber Security	Digital Systems Security	Game and Mobile Development			
Degree Major		Year 1/2 (Double Major)			Year 1/2 (Single Major)						
Common Core		• Networks and Communications • Human Computer Interaction • Fundamental Programming with Python • Computing and Cyber Security Fundamentals • System Analysis • Database Management Systems • Object Oriented Design and Programming • Introduction to Web Technology • IT Project Management									
Degree Core		• Mathematics for Computing • Algorithms and Data Structures • Advanced Programming • Database Systems							Mathematics for Computing		
									Principles of eBusiness		
									Introduction to Management	Knowledge and Information Engineering	
									4 Prescribed Business Electives*	4 IT/Business Electives*	
Electives		-			3 Y1/2 Elective Modules*						
Degree Major		Year 3 (Double Major)			Year 3 (Single Major)						
Common Core		Software Development Methodologies									
		Project									
Electives		-		1 Y3 Elective Module*					-		
Major Core	System Security	√	√	√		√	√				
	Big Data Mining Techniques and Implementation	√	√		√						
	Big Data Management	√	√		√				√	√	
	Foundations of Artificial Intelligence	√	√		√						
	Modern Artificial Intelligence	√	√		√						
	Ethical Hacking	√		√		√					
	Cybersecurity	√		√		√					
	Artificial Intelligence and Cybersecurity	√		√		√					
	Cryptography and Secure Applications		√	√			√				
	Network Security		√	√			√				
	Mobile Application Development							√			
	Interactive Computer Graphics							√			
	Game Engine Essentials							√			
	Systems Administration								√	√	
	Business Process Management								√	√	
	Web Server Programming								√	√	
	Management Information Systems								√	√	
	Web Security		√	√			√				
	Virtual and Augmented Reality							√			

*Elective modules are subject to availability and should not be repeated. Please refer to website for more details.

1. The subjects offered may be updated to be aligned with onshore delivery and are subject to variation.
2. Some subjects have prerequisite requirements; students must successfully complete these requirements before being allowed to enrol in the subject. Please refer to website for prerequisite to each subject.
3. Subjects in Year 3 are taught by UOW academics.
4. Students must have access to the internet, an email account and personal printing facilities. Online materials will not be reproduced in hardcopy for students.