

# Programme Structure

Updated as at 06 Jan 2021

## Subjects

Year 1 and 2					
Programme	Bachelor of Computer Science			Bachelor of Business Information Systems	Bachelor of Information Technology
Common Core	Networks and Communications				
	Human Computer Interaction				
	Programming Fundamentals				
	Problem Solving				
	System Analysis				
	Data Management and Security				
	Object Oriented Design and Programming				
	Introduction to Web Technology				
Degree Core	Mathematics for Computer Science			Mathematics for Information Technology	
	Algorithms and Data Structures			Principles of eBusiness	
	Advanced Programming			Introduction to Management	Knowledge and Information Engineering
	Database Systems			-	
Electives	3 Elective Modules*			4 Prescribed Business Electives*	4 IT/Business Electives*
Year 3					
Major	Big Data	Cyber Security	Digital Systems Security	Game and Mobile Development	
Electives	1 Elective Module *				-
Major Core	Distributed Systems and Cloud Computing / Big Data Mining Techniques and Implementation	Contemporary Topics in Security	Cryptography and Secure Applications	Interactive Computer Graphics	Systems Administration
	Big Data Management	Cybersecurity	Network Security	3D Modelling and Animation	Business Process Management
	Data Mining and Knowledge Discovery	System Security		Game Engine Essentials	Big Data Management
	Database Performance Tuning	Ethical Hacking	Multicore and GPU programming		Web Server Programming
Common Core	Software Development Methodologies				Management Information Systems
	Project				

**\*Elective modules are subject to availability, please refer to our website for more details**

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