Programme Structure

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			
	IT Project Management			
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
					Business Process Management
	Big Data Management	Cybersecurity	Network Security	3D Modelling and Animation	Big Data Management
	Data Mining and Knowledge Discovery	System Security		Game Engine Essentials	Backend Web Programming
	Database Performance Tuning	Ethical Hacking	Multicore and GPU programming		Management Information Systems
Common Core	Software Development Methodologies				
	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.