

Course Plan (Sample Only)

B1317 BSc Mobile and Web Application Development

Semester 1 2020 entry

	Semester 1	Semester 2
Year 1	ICT100 Transition to IT 3pts	MSP100 Career Learning: Managing Your Career (MAS162 if MAS164 completed) 3pts
	ICT159 Foundations of Programming	ICT169 Foundations of Data Communications 3pts
	MAS162 Foundations of Discrete Mathematics (see unit pre-requisites-MAS164) 3pts	ICT170 Foundations of Computer Systems 3pts
	Year 1 Unit (General Elective) Recommended: MAS183 or MAS182 (MSP100 ¹ - if completing MAS164) 3pts	ICT167 Principles of Computer Science 3pts
	<u>12pts</u>	<u>12pts</u>
Year 2	BSC203 Introduction to ICT Research Methods 3pts	MAS225 or BRD2xx/MSP ² University Breadth/Spine Unit 3pts
	ICT284 Systems Analysis and Design 3pts	ICT285 Databases 3pts
	Year 2 Unit (General Elective) Recommended: ICT289 Computer Graphics Principles and Programming 3pts	ICT286 Web and Mobile Computing 3pts
	Year 2 Unit (General Elective) 3pts	Year 2 Unit (General Elective) Recommended: A Maths/Stats unit (MAS coded unit) 3pts
	<u>12pts</u>	<u>12pts</u>
Year 3	ICT380 or BSC301 Applied Research Skills in ICT 3pts	ICT302 IT Professional Practice Project 3pts
	ICT375 Advanced Web Programming 3pts	ICT365 Software Development Frameworks 3pts
	Year 3 Unit (General Elective) Recommended: ICT373 Software Architectures 3pts	ICT376 Mobile Application Development 3pts
	Year 3 Unit (General Elective) Recommended: A Maths/Stats unit (MAS coded unit) 3pts	Year 3 Unit (General Elective) Recommended: A Maths/Stats unit (MAS coded unit) 3pts
	<u>12pts</u>	<u>12pts</u>

¹ First year students who are required to complete MAS164 should select the unit indicated in blue.

General Electives: Students may also do an Advanced AI/Machine Learning unit as an elective in the third year when the unit is available.

² Any of the BRD2/MSP2 coded units may be chosen. Will also accept PEN120 General Physics or MAS225 Discrete Mathematics and Management Science.

Disclaimer: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as per the online [Handbook](#). Correct as at 21/01/2020