

Course Plan (Sample Only)

B1317 BSc Computer Science / Mobile and Web Application Development Double Major Semester 1 2020 entry

	Semester 1	Semester 2
Year 1	ICT100 Transition to IT 3pts ICT159 Foundations of Programming MAS162 Foundations of Discrete Mathematics (see unit pre-requisites - MAS164) 3pts Year 1 Unit (General Elective) Recommended: MAS183 or MAS182 3pts (MSP100 ¹ - if completing MAS164) <u>12pts</u>	MSP100 Career Learning: Managing Your Career (MAS162 if MAS164 completed) 3pts ICT169 Foundations of Data Communications 3pts ICT170 Foundations of Computer Systems 3pts ICT167 Principles of Computer Science 3pts <u>12pts</u>
Year 2	BSC203 Introduction to ICT Research Methods 3pts ICT283 Data Structures and Abstractions 3pts ICT284 Systems Analysis and Design 3pts Year 2 Unit (General Elective) Recommended: ICT289 Computer Graphics Principles and Programming) <u>12pts</u>	MAS225 or BRD2xx/MSP2xx ² University Breadth Unit 3pts ICT285 Databases 3pts ICT286 Web and Mobile Computing 3pts ICT319 Intelligent Systems <u>12pts</u>
Year 3	ICT380 (recommended) or BSC301 Applied Research Skills in ICT 3pts ICT373 Software Architectures 3pts ICT375 Advanced Web Programming 3pts Year 3 Unit (General Elective) Recommended: A Maths/Stats unit (MAS coded unit) <u>12pts</u>	ICT302 IT Professional Practice Project 3pts ICT374 Operating Systems and Systems Programming 3pts ICT365 Software Development Frameworks 3pts ICT376 Mobile Application Development 3pts <u>12pts</u>

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

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

There may be a recommendation to complete an Advanced AI/Machine Learning unit when available for CS majors in place of an elective. This is in addition to the unit Intelligent Systems as the AI coverage in CS is being increased.

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