

Course Plan (Sample Only)

B1317 BSc Computer Science 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) 3pts	ICT167 Principles of Computer Science <u>12pts</u>
	Recommended: MAS183 or MAS182 or ICT171 (MSP100 ¹ - if completing MAS164) 3pts	
	<u>12pts</u>	
Year 2	BSC203 Introduction to ICT Research Methods 3pts	MAS225/BRD2xx/MSP2xx ² University Breadth/Spine Unit 3pts
	ICT283 Data Structures and Abstractions 3pts	ICT285 Databases 3pts
	ICT284 Systems Analysis and Design	Year 2 Unit (General Elective) Recommended: 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) <u>12pts</u>
	Recommended: ICT289 Computer Graphics Principles and Programming) <u>12pts</u>	
Year 3	ICT380 (recommended) or BSC301 Applied Research Skills in ICT 3pts	ICT302 IT Professional Practice Project 3pts
	ICT373 Software Architectures 3pts	ICT374 Operating Systems and Systems Programming 3pts
	Year 3 Unit (General Elective) Recommended: ICT375 Advanced Web Programming 3pts	ICT319 Intelligent Systems 3pts
	Year 3 Unit (General Elective) 3pts	Year 3 Unit (General Elective) Recommended: A Maths/Stats unit (MAS coded unit) <u>12pts</u>
	Recommended: A Maths/Stats unit (MAS coded unit) <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 Discrete 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