

# Course Plan (Sample Only)

## B1317 BSc Games Technology

### 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 <sup>1</sup> - 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 <sup>2</sup> University Breadth Unit 3pts
	ICT283 Data Structures and Abstractions 3pts	ICT290 Games Design and Programming 3pts
	ICT289 Computer Graphics Principles and Programming 3pts	Year 2 Unit (General Elective) Recommended: ICT285 Databases. 3pts
	Year 2 Unit (General Elective) Recommended: ICT284 Systems Analysis and Design. 3pts	Year 2 Unit (General Elective) Recommended ICT286 Web and Mobile Computing. 3pts
<u>12pts</u>	<u>12pts</u>	
Year 3	ICT380 (recommended) or BSC301 Applied Research skills in IT 3pts	ICT302 IT Professional Practice Project 3pts
	ICT397 Advanced Games Design and Programming 3pts	ICT398 Virtual Environments for Games and Simulations 3pts
	ICT371 Games Development 3pts	Year 3 Unit (General Elective) Recommended: ICT374 Operating Systems and Systems Programming 3pts
	Year 3 Unit (General Elective) Recommended: ICT373 Software Architectures 3pts	Year 3 Unit (General Elective) Recommended: ICT319 Intelligent Systems 3pts
	<u>12pts</u>	<u>12pts</u>

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

**General Electives:** The recommended general electives shown above will give you a strong foundation in Games Technology and Information Technology. Students may also do an Advanced AI/Machine Learning unit as an alternative elective when the unit is available.

<sup>2</sup> Any of the BRD2/MSP 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