

# B1317 BSc COMPUTER SCIENCE

## Semester 2 2020 entry

If you have to complete MAS164, use (red) alternative

	Semester 1	Semester 2
Year 1	<p>This course plan is a sample only. Students should contact the Academic Chair to develop a personal study plan to better use their study opportunities.</p>	<p>ICT100 Transition to IT 3pts</p> <p>ICT169 Foundations of Data Communications 3pts</p> <p>ICT170 Foundations of Computer Systems 3pts</p> <p>MAS162 Foundations of Discrete Mathematics (MAS164) 3pts</p> <p><b>12pts</b></p>
Year 2	<p>MSP100 Career Learning: Managing Your Career 3pts</p> <p>ICT159 Foundations of Programming 3pts</p> <p>First year Unit (General Elective) (MAS162) 3pts</p> <p>First year Unit (General Elective) 3pts</p> <p><b>12pts</b></p>	<p>ICT167 Principles of Computer Science 3pts</p> <p>ICT285 Databases 3pts</p> <p>2<sup>nd</sup> year Unit (General Elective) Recommended: ICT286 Web and Mobile Computing 3pts</p> <p>2<sup>nd</sup> year Unit (General Elective) 3pts</p> <p><b>12pts</b></p>
Year 3	<p>BSC203 Introduction to ICT Research Methods 3pts</p> <p>ICT283 Data Structures and Abstractions 3pts</p> <p>ICT284 Systems Analysis and Design 3pts</p> <p>2<sup>nd</sup> year Unit (General Elective) Recommended: ICT289 Computer Graphics Principles and Programming 3pts</p> <p><b>12pts</b></p>	<p>MAS225 or BRD2xx* University Breadth Unit 3pts</p> <p>ICT374 Operating Systems and Systems Programming 3pts</p> <p>ICT319 Intelligent Systems 3pts</p> <p>3<sup>rd</sup> year Unit (General Elective) Recommended: ICT376 Mobile Application Development or ICT290 3pts</p> <p><b>12pts</b></p>
Year 4	<p>BSC301* Applied Research Skills in ICT 3pts</p> <p>ICT373 Software Architectures 3pts</p> <p>ICT302 IT Professional Practice Project 3pts</p> <p>3<sup>rd</sup> year Unit (General Elective) Recommended: ICT375 Advanced Web Programming or ICT371 3pts</p> <p><b>12pts</b></p>	

\*BRD2xx University Breadth Unit: Will also accept PEN120 General Physics or MAS225 Discreet Mathematics and Management Science or MSP200

\*BSC301: Students who are not in Cyber Security and Forensics can complete ict380 instead