Internetworking and Network Security and Computer Science

Academic Chair: Joseph Stevens   **Start Date:** Semester 2 2023

	Semester 1 Units	CP	Semester 2 Units	CP
Year 1 – 2023			ICT100 Transition to IT	3
			ICT169 Foundations of Data Communications	3
			ICT170 Foundations of Computer Systems	3
			MAS162 Foundations of Discrete Mathematics*	3
			Total	**12**
	Semester 1 Units	**CP**	**Semester 2 Units**	**CP**
Year 2 - 2024	MSP100 Career Learning: Managing Your Career	3	MSP200 Building Enterprise Skills	3
	ICT159 Foundations of Programming	3	ICT285 Databases	3
	ICT171 Introduction to Server Environments and Architectures	3	ICT167 Principles of Computer Science	3
	ICT291 Network Design and Implementation	3	ICT206 Intelligent Systems	3
	Total	**12**	**Total**	**12**
	Semester 1 Units	**CP**	**Semester 2 Units**	**CP**
Year 3 - 2025	ICT284 Systems Analysis and Design	3	ICT369 Wireless and Interactive Networks	3
	BSC203 Introduction to ICT Research Methods	3	ICT372 Advanced Network Design and Implementation	3
	ICT201 Information Technology Project Management	3	ICT374 Operating Systems and Systems Programming	3
	ICT283 Data Structures and Abstractions	3	ICT303 Advanced Machine Learning and Artificial Intelligence	3
	Total	**12**	**Total**	**12**
	Semester 1 Units	**CP**	**Semester 2 Units**	**CP**
Year 4 - 2026	ICT302 IT Professional Practice Project	3		
	MSP201 Real World Learning	3		
	ICT373 Software Architectures	3		
	ICT377 Network Security	3		
	Total	**12**	**Total**	

	TOTAL CREDIT POINTS 72

Semester 1 notes	Semester 2 notes
	Students can choose between MAS162 and MAS183. Recommended year 1 electives: • ICT109 - IoT Technopreneurship Recommended year2/3 electives: • WKP356 Structured Workplace Learning Placement

* If MAS164 is required please contact the Academic Chair for an individual variation of this study plan as MSP100 is mandatory.

Please note: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the Handbook. Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at DD/MM/YY.