

C09119 BACHELOR OF COMPUTING SCIENCE (HONOURS)					COURSE STRUCTURE				
					<div>Core subjects (Computing Science) (STM91173) - 96CP</div> <div>33130 Mathematics 1</div> <div>33230 Mathematics 2</div> <div>31265 Communication for IT Professionals</div> <div>37181 Discrete Mathematics</div> <div>43030 Professional Practice in Computing</div> <div>31251 Data Structures and Algorithms</div> <div>48024 Programming 2</div> <div>41080 Theory of Computing Science</div> <div>31268 Web Systems</div> <div>31272 Project Management and the Professional</div> <div>31269 Business Requirements Modelling</div> <div>31271 Database Fundamentals</div> <div>41078 Computing Science Studio 1</div> <div>41079 Computing Science Studio 2</div> <div>41092 Network Fundamentals</div> <div>41039 Programming 1</div> <div>Core Honours subjects (Computing Science) (STM91172) - 24CP</div> <div>32144 Technology Research Preparation</div> <div>32931 Technology Research Methods</div> <div>31482 Honours Project</div> <div>Major choice (CBK91220) - 48CP</div> <div>Artificial Intelligence and Data Analytics major (MAJ10053)</div> <div>Business Information Systems Management major (MAJ02080)</div> <div>Cybersecurity and Privacy major (MAJ02900)</div> <div>Enterprise Software Development major (MAJ03519)</div> <div>Interaction Design major (MAJ02092)</div> <div>Mathematical Analysis major (MAJ01156)</div> <div>Networking and Cybersecurity major (MAJ03445)</div> <div>Quantum Information Science major (MAJ02901)</div> <div>Sub-Major/Electives Choice (CBK92127) - 24CP</div> <div>Select 24CP of options:</div> <div>SMJ10165 Applied and Industrial Optimisation Sub-major</div> <div>SMJ10166 Statistical Analysis Sub-major</div> <div>SMJ10167 Mathematical Analysis Extension Sub-major</div> <div>CBK90783 Electives/Sub-major Choice Block 1</div>				
	Mathematical Analysis major, Autumn commencing, full time								
	The program below shows a suggested sequence of subjects for the Mathematical Analysis major (MAJ01156) for a student commencing the course in Autumn session. The study plan is intended as a guide only and do not take into account such factors as recognition of prior learning, changes in attendance mode and subject availability, or satisfactory academic progress.								
	Students should consult the Timetable Planner to confirm the availability of subjects in the current academic year.								
	Year 1								
AUTUMN	Mathematics 1 33130 6 CPs	Discrete Mathematics 37181 6 CPs	Programming 1 41039 6 CPs	Communication for IT Professionals 31265 6 CPs					
SPRING	Mathematics 2 33230 6 CPs	Web Systems 31268 6 CPs	Business Requirements Modelling 31269 6 CPs	Database Fundamentals 31271 6 CPs					
	Year 2								
AUTUMN	Network Fundamentals 41092 6 CPs	Programming 2 48024 6 CPs	Computing Science Studio 1 41078 6 CPs	Linear Algebra 37233 6 CPs					
SPRING	Professional Practice in Computing 43030 6 CPs	Theory of Computing Science 41080 6 CPs	Probability and Random Variables 37161 6 CPs	CBK92127 Sub-major/Electives Choice 6 CPs					
	Year 3								
AUTUMN	Data Structures and Algorithms 31251 6 CPs	Computing Science Studio 2 41079 6 CPs	Regression and Linear Models 37252 6 CPs	Programming for Data Analysis 37373 6 CPs					
SPRING	Technology Research Preparation 32144 6 CPs	Real Analysis 35007 6 CPs	Numerical Mwthods 35006 6 CPs	CBK92127 Sub-major/Electives Choice 6 CPs					
	Year 4								
AUTUMN	Technology Research Methods 32931 6 CPs	Project Management and the Professional 31272 6 CPs	Complex Analysis 37234 6 CPs	CBK92127 Sub-major/Electives Choice 6 CPs					
SPRING	Honours Project 31482 12 CPs	MAJ01156 Mathematical Analysis Options-6CP 6 CPs	CBK92127 Sub-major/Electives Choice 6 CPs						