

**Master of Computing (by coursework) – Area of Specialisations**

<b>Computer Science</b>		
<b>Existing Code</b>	<b>New Code</b>	<b>Module Title</b>
CS4211	--	Advanced Software Engineering
CS4212	--	Compiler Design
CS4243	--	Computer Vision and Pattern Recognition
CS4216	--	Constraint Logic Programming
CS5218	--	Principles of Program Analysis
CS5222	--	Advanced Computer Architecture
CS5223	--	Distributed Systems
CS5226	--	Database Tuning
CS5228	--	Knowledge Discovery in Databases
CS5229	--	Advanced Computer Networks
CS5230	--	Computational Complexity
CS5231	--	Systems Security
CS5232	--	Formal Specification and Design Techniques
CS5233	--	Simulation and Modelling Techniques
CS5234/CS5206	--	Combinatorial and Graph Algorithm/ Foundation in Algorithms
CS5240	--	Theory and Practice of Multimedia
CS5342	--	Multimedia Computing and Applications
<b>Infocomm Security</b>		
CS4236	--	Principles of Computer Security
CS4252	IS4234	Control and Audit of Information Systems
CS4238	--	Computer Security Practice
CS5231	--	Systems Security
CS5258	IS5151	Information Security Policies
CS5259	IS5114	Information Technology Outsourcing
CS5264	IS5152	Decision Making Technologies
CS5321	--	Network Security
CS5322	--	Database Security
CS5340	--	Uncertainty Modelling in AI
CS6209	--	Topics in Cryptography
CS6230	--	Topics in Information Security
<b>Information Technology Project Management (ITPM)</b>		
CS4251	IS4225	Strategic IS Planning
CS4253	IS4243	Information Systems Consulting
CS4254	IS4100	IS Project Management <sup>^</sup>
CS5212	IS5110	Software Project Management <sup>^</sup>
CS5251	IS5111	Integration of IS and Business
CS5254	IS5120	Information Technology Policies
CS5257	IS5122	Case Studies in Enterprise Systems
CS5259	IS5114	Information Technology Outsourcing
CS5261	IS5115	Telecoms and International Network
CS5268	IS5117	Electronic Government
CS5350	IS5125	System Dynamics
CS6301	IS6001	Qualitative Methods for IS Research

+ With approval from the department, students may take an equivalent module in place of a module listed in the area of specialisations.

<sup>^</sup> Students who wish to take both project management modules (IS4100 & IS5110) should take the lower level first before proceeding to select IS5110. Students who have taken the advanced module, IS5110 are not allowed to take IS4100 in subsequent semesters.