

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

CS4211	Advanced Software Engineering
CS4212	Compiler Design
CS4243	Computer Vision and Pattern Recognition
CS4216	Constraint Logic Programming (revised wef Sem1 AY2008/09)
CS5218	Principles of Program Analysis
CS5222	Advanced Processor Architectures
CS5223	Distributed Systems
CS5225	Parallel and Distributed Database Systems
CS5228	Knowledge Discovery in Databases
CS5229	Advanced Computer Networks
CS5230	Computational Complexity
CS5231	Cryptographic Techniques and Data Security
CS5232	Formal Specification and Design Techniques
CS5233	Simulation and Modelling Techniques
CS5234	Combinatorial and Graph Algorithm
CS5240	Theory and Practice of Multimedia

**Infocomm Security**

CS4236	Principles of Computer Security
CS4252	Control, Audit and Security of Information System
CS5215	Constraint Processing (revised wef Sem1 AY2008/09)
CS5231	Cryptographic Techniques and Data Security
CS5258	Information Security Policies
CS5259	Information Technology Outsourcing
CS5264	Decision Making Technologies
CS5321	Network Security
CS5322	Database Security
CS5340	Uncertainty Modelling in AI
CS6209	Topics in Cryptography
CS6230	Topics in Information Security

**Information Technology Project Management (ITPM)**

CS4251	Strategic IS Planning
CS4253	Information Systems Consulting
CS4254	IS Project Management
CS5212	Software Project Management
CS5251	Integration of IS and Business
CS5254	Information Technology Policies
CS5257	Case Studies in Enterprise Systems
CS5259	Information Technology Outsourcing*
CS5261	Telecoms and International Network
CS5268	Electronic Government
CS5350	System Dynamics
CS6301	Case Study Research

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