

STUDY PLAN FOR MASTER OF INFORMATION TECHNOLOGY

For students admitted in the program before INTAKE TR1S/2026

COURSE STRUCTURE:

4 PostGraduate Foundation Subjects



3 General Core Subjects



5 Core Subjects of Major 1



4 Elective Subjects
1) 2 Level 5 CP/LB subjects
2) 2 any Level 5 subjects



GENERAL INFORMATION

1) 1 subject is equivalent to 3 credit points.

IMPORTANT NOTE

1) It is highly recommended that students take CP5046 in the second last trimester of study and take CP5047 in the last trimester of study.

V OR D = Day classes

				Year 2025			Year 2026		
				TR1S 2025	TR2/25	TR3/25	TR1S 2026	TR2/26	TR3/26
PostGraduate Foundation Subjects	CP5631	Internet Fundamentals	(Inadmissible subject: CP1402)	✓	✓	✓	✓	✓	✓
	CP5633	Database Modelling	(Inadmissible subject: CP2404)	✓		✓	✓		✓
	OR CP5638	Web Design and Development	(Inadmissible subject: CP1406)	✓		✓	✓		✓
	CP5636	e-Strategic Management	(Inadmissible subject: CP3401)		✓	✓		✓	
	CP5639	Problem Solving and Programming I	(Inadmissible subject: CP1401)	✓	✓	✓	✓	✓	✓
General Core Subjects	CP5603	Advanced E-Security	Pre-req: CP5631 or Admitted to MIT-MBA. (Assumed Knowledge: Basic knowledge of internet architecture.) (Inadmissible subject: CP3404)			✓	✓		✓
	CP5046	ICT Project 1: Analysis and Design	Pre-req: 9 credit points of Level 5 CP subjects (Inadmissible subject: CP3046)	✓	✓	✓	✓	✓	✓
	CP5047	ICT Project 2: Implementation and Commissioning	Pre-req: CP5046 (Inadmissible subject: CP3047)	✓	✓	✓	✓	✓	✓
Select 1 Major	Business Informatics Major	CP5310	E-Business Technologies	Assumed Knowledge: Basic relational database principles and have facility with at least one programming language.		✓		✓	
		CP5503	Enterprise Database Systems - Oracle	Assumed Knowledge: Basic knowledge of relational database principles.		✓		✓	
		CO5124	Data Analysis and Decision Modelling	Assumed Knowledge : Capability with Excel or similar spreadsheet package		✓		D	D
		CP5634	Data Mining	(Inadmissible subject: CP3403)	✓	✓		✓	✓
		CP5520	Advanced Databases and Applications	Assumed Knowledge: Have equivalent knowledge through other study or professional experience.	✓		✓	✓	
	Interactive Technologies & Games Design Major	CP5310	E-Business Technologies	Assumed Knowledge: Basic relational database principles and have facility with at least one programming language.		✓		✓	
		CP5604	Advanced Game Design	Assumed Knowledge: Knowledge of at least one programming language and some knowledge of multimedia packages (Inadmissible subject: CP2412)			✓		✓
		CP5607	Advanced Human Computer Interaction	Assumed Knowledge: Knowledge of at least one programming language and some knowledge of multimedia packages.		✓		✓	✓
		CP5608	Advanced Animation Techniques	Assumed Knowledge: Advanced knowledge of multimedia packages. (Inadmissible subject: CP2411)		✓		✓	
		CP5609	Intelligent Agents and Simulation	Assumed Knowledge: Advanced knowledge of Object Oriented programming packages.	✓		✓	✓	
	Computing Major (Computing & Networking Major is no longer offered from SP51 2021 onwards)	CP5307	Advanced Mobile Technology	Pre-req: CP5639. (Assumed Knowledge: Proficiency in at least one programming language.) (Inadmissible subject: CP3406)		✓		✓	✓
		CP5601	Advanced Data Communications Principles	Pre-req: CP5631 or Admitted to MIT-MBA. (Assumed Knowledge: Basic knowledge of internet architecture.) (Inadmissible subject: CP2409)	✓		✓	✓	
		CP5602	Advanced Algorithm Analysis	Pre-req: CP5639. (Assumed Knowledge: Proficiency in at least one programming language.)		✓	✓	✓	
		CP5607	Advanced Human Computer Interaction	Assumed Knowledge: Knowledge of at least one programming language and some knowledge of multimedia packages.		✓		✓	✓
		CP5634	Data Mining	(Inadmissible subject: CP3403)	✓	✓		✓	✓

Plus 2 **Level 5** subjects with CP or LB prefix. Check for list of elective subjects at: <https://www.jcu.edu.sg/current-students/calendars-and-timetables/study-plan>

Plus 2 **Level 5** subjects from any Postgraduate programs. Check for list of elective at: <https://www.jcu.edu.sg/current-students/calendars-and-tir>

Notes:

Subject(s) with title(s) in *italic format* reflects a recent name change with effect from SP53 2022 onwards.

Changes that are recently made will be highlighted in yellow and/or red font.

Disclaimer: The above information is correct as below date. Due to unforeseen situation/s, there might be change/s done in subject offerings before each trimester. Your understanding is greatly appreciated.

Updated on 19 August 2025