

**STUDY PLAN FOR
MASTER OF INFORMATION TECHNOLOGY**



	Subject Code	Subject Name	Pre-requisite	SP51/21	SP52/21	SP53/21	SP51/22	SP52/22	SP53/22	
Postgraduate Foundation Subjects	CP5631	Internet Fundamentals		✓	✓	✓	✓	✓	✓	
	CP5633	Database Modelling		✓	✓		✓		✓	
	OR CP5638	Web Design and Development	Select 1	✓		✓	✓		✓	
	CP5636	e-Strategic Management			✓	✓		✓	✓	
	CP5639	Problem Solving and Programming I		✓	✓	✓	✓	✓	✓	
Core Subjects	CP5603	Advanced E-Security	No pre-req. (Assumed Knowledge: Basic knowledge of internet architecture.)	✓	✓		✓		✓	
	CP5046	ICT Project 1: Analysis and Design	12 credit points of Level 5 CP subjects	✓	✓	✓	✓	✓	✓	
	CP5047	ICT Project 2: Implementation and Commissioning	Pre-req: CP5046	✓	✓	✓	✓	✓	✓	
Select 1 Major	Business Informatics Major	CP5310	E-Business Technologies	No pre-req. (Assumed Knowledge: basic relational database principles and have facility with at least one programming language.)	✓		✓	✓	✓	
		CP5503	Enterprise Database Systems - Oracle	No pre-req. (Assumed Knowledge: basic knowledge of relational database principles.)	✓		✓		✓	
		CO5124	Data Analysis and Decision Modelling	No pre-req. (Assumed Knowledge: Capability with Excel or similar spreadsheet package.)		✓		✓		✓
		CP5634	Data Mining	Pre-req: CP5633	✓	✓		✓	✓	
		CP5520	Advanced Databases and Applications	No pre-req. (Assumed Knowledge: CP1500 Or have equivalent knowledge through other study or professional experience.)	✓		✓		✓	
	Interactive Technologies & Game Designs Major	CP5310	E-Business Technologies	No pre-req. (Assumed Knowledge: basic relational database principles and have facility with at least one programming language.)	✓		✓	✓	✓	
		CP5604	Advanced Game Design	No pre-req. (Assumed Knowledge: Knowledge of at least one programming language and some knowledge of multimedia packages.)		✓		✓		✓
		CP5607	Advanced Human Computer Interaction	No pre-req. (Assumed Knowledge: Knowledge of at least one programming language and some knowledge of multimedia packages.)		✓	✓		✓	✓
		CP5608	Advanced Animation Techniques	No pre-req. (Assumed Knowledge: Advanced knowledge of multimedia packages.)		✓		✓		✓
		CP5609	Intelligent Agents and Simulation	No pre-req. (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.)		✓	✓	✓		✓	
	CP5601	Advanced Data Communications Principles	Pre-req: CP5631. (Assumed Knowledge: Basic knowledge of internet architecture.)		✓	✓		✓	✓	
	CP5602	Advanced Algorithm Analysis	Pre-req: CP5639. (Assumed Knowledge: Proficiency in at least one programming language.)	✓		✓		✓		
	CP5607	Advanced Human Computer Interaction	No pre-req. (Assumed Knowledge: Knowledge of at least one programming language and some knowledge of multimedia packages.)		✓	✓		✓	✓	
	CP5634	Data Mining	Pre-req: CP5633	✓	✓		✓	✓		

Plus 2 Level 5 subjects with CP or LB prefix. Refer to below list for recommended CP Elective subjects. Refer to MBA Study Plan for LB Elective subjects.

Subject Code	Subject Name	Pre-requisite	SP51/21	SP52/21	SP53/21	SP51/22	SP52/22	SP53/22
CP5080	Literature Review and Research Proposal		✓		✓		✓	
CP5030	Special Topics 1		✓		✓		✓	
CP5035	Special Topics 2			✓		✓		✓
CP5090	Scientific Research Methods	No pre-req. However, the subject is available only with the permission of the co-ordinator	Not offered in year 2021			✓		✓

Plus 2 Level 5 subjects from any Postgraduate programs. Refer to Study Plan of other postgraduate programs to check the available subjects

Note: Subject(s) with title(s) in *italic format* reflects a recent name change with effect from SP51 2020 onwards.

Disclaimer: The above information is correct as below date. JCU Singapore reserves the right to alter any changes to the above information without prior notice.

Updated on 01 September 2021