

MASTER OF INFORMATION TECHNOLOGY Majoring in Software Engineering
- Structure and Subjects Offerings Information



COURSE STRUCTURE

33 credit points - 11 Core Subjects

+

15 credit points
electives/options

Links to Helpful Resources:

- To enrol subject(s) via the MyStudent portal: [Basic Steps to Self-enrol subjects](#)
- To withdraw subject(s) via the MyStudent portal: [Step to Withdraw subjects](#)
- [Course and Subject Handbook](#)
- [StudentFirst](#) (To check your timetable)

✓ OR D = Day classes
E = Evening classes & only for part-time students

11 Core Subjects (33 credit points)				Year 2026	Year 2027		
	Subject Code	Subject Name	Pre-requisites & Anti-requisites Note: 1 subject has 3 credit-point value	TR3	TR1S	TR2	TR3
Foundation subjects	CP5631	Internet Fundamentals	Anti-requisite: CP1402, CP2012, CP1802 and CP2231 Note: For MIT-MBA and MIT students only	✓	✓	✓	✓
	CP5633	Database Modelling	Anti-requisite: CP1500, CP2404 and CP5804 Note: For MIT-MBA and MIT students only	✓	✓		✓
	CP5639	Problem Solving and Programming I	Assumed knowledge: AQF Level 7 Anti-requisite: CP1401, CP1801, CP1200, CP2200 and CP5805 Note: For MIT-MBA and MIT students only	✓	✓	✓	✓
	CP5632	Programming II	CP5639 Anti-requisite: CP1300, CP1804 and CP1404		✓	✓	✓
	CP5603	Advanced E-Security	Pre-req: CP5631 OR Admission to either MIT-MBA, or MIT Program Assumed knowledge: Basic knowledge of internet architecture. Note: For MIT-MBA and MIT students only (Anti-requisite: CP3404)	✓		✓	✓
	CP5046	ICT Project 1: Analysis and Design	Pre-req: 9 credit points of level 5 CP subjects Note: For MIT-MBA and MIT students only (Anti-requisite: CP3046)	✓	✓	✓	✓
	CP5047	ICT Project 2: Implementation and Commissioning	Pre-req: CP5046 Note: For MIT-MBA and MIT students only	✓	✓	✓	✓
Major's core subjects	CP5307	Advanced Mobile Technology	CP5639 Assumed knowledge: Proficiency in at least one programming language. Anti-requisite: CP3307 CP3406 Note: For MIT-MBA and MIT students only	✓		✓	
	CP5401	Software Quality Engineering	CP5632	✓	✓		
	CP5402	Full Stack Development	CP5632	✓			✓
	CP5507	Advanced Software Engineering	CP5632 Anti-requisite: CP3407			✓	

PLUS 3 credit points of any CP or SC level 5 one elective subject

PLUS

Option 1: 12 credit points of any CP level 5 four elective subjects

or

Options 2: 12 credit points of Research Pathway* RM8501 & RM8502. Enrolment is subject to approval.

or

Option 3: 12 credit points of the second major relevant to your study location.

The study duration will extend if you don't plan subjects properly.

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 30 September 2026