

LIST OF POSTGRADUATE IT, SCIENCE SUBJECTS (LEVEL 5)

Subjects Offerings Information

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)



✓ = Offered

Science subjects level 5

Subject Code	Subject Name	Pre-requisites & Anti-requisites Note: 1 subject has 3 credit-point value	Year 2026	Year 2027		
			TR3	TR1S	TR2	TR3
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		✓	✓		
CP5402	Full Stack Development	CP5632	✓			✓
CP5403	Large Language Models	CP5407	✓			✓
CP5404	AI Applications and Ethics			✓	✓	
CP5405	Scalable Database Systems	CP5633	✓		✓	
CP5406	Digital Innovation and Emerging Technologies	CP5633		✓		✓
CP5407	Machine Learning and Data Science	Anti-requisite: CP1407		✓	✓	
CP5408	Cyber Security Strategy, Governance and Risk Management		✓			✓
CP5409	Operating Systems and Shell Scripting	Anti-requisite: CP1409	✓	✓		✓
CP5411	Malware Analysis	CP5409		✓		
CP5412	Cybersecurity Infrastructure and Management	CP5631 OR Admission to 112404 Master of Information Technology - Master of Business Administration Anti-requisite: CP2423	✓		✓	
CP5501	Cloud Computing	Anti-requisite: CP2501 and CP3511	✓			✓
CP5507	Advanced Software Engineering	CP5632 Anti-requisite: CP3407			✓	
CP5603	Advanced E-Security	CP5631 OR Admission to either [112404] Master of Information Technology - Master of Business Administration, or [113504] Master of Information Technology Assumed knowledge: Basic knowledge of internet architecture. Anti-requisite: CP3302 CP3404 Note: For MIT-MBA and MIT students only	✓		✓	✓
CP5614	Ethical Hacking	CP5409 Anti-requisite: CP3414	✓	✓		
CP5631	Internet Fundamentals	Anti-requisite: CP1402, CP2012, CP1802 and CP2231 Note: For MIT-MBA and MIT students only	✓	✓	✓	✓
CP5632	Programming II	CP5639 Anti-requisite: CP1300, CP1804 and CP1404	✓	✓	✓	✓
CP5633	Database Modelling	Anti-requisite: CP1500, CP2404 and CP5804 Note: For MIT-MBA and MIT students only	✓	✓		✓
CP5634	Data Mining	CP5639 OR Admission to MIT-MBA Anti-requisite: CP3300, CP3403 and CP5605 Note: For MIT-MBA, MIT and GradDip of Research Methods students only	✓	✓		✓
CP5636	e-Strategic Management	Anti-requisite: CP3401 Note: For MIT-MBA and MBA students only			✓	
CP5638	Web Design and Development	Anti-requisite: CP1406, CP1806, CP2010, NM2420, CV2400, NM2301 and NM3901	✓	✓		✓
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	✓	✓	✓	✓
CP5640	Information Management and Analytics Technology	Note: For MBA students only			✓	
CP5641	Design Thinking Principles	Anti-requisite: CP1403 & CP2408	✓	✓	✓	✓
CP5701	Deep Learning	Pre-requisite: CP5407 Anti-requisite: CP3501			✓	
MB5001	Tropical Marine Ecology and Coastal Impacts	[Assumed Knowledge] Students are assumed to have a basic understanding of ecological principles and techniques as well as some background in statistics and sampling design. A basic understanding of marine biodiversity is also assumed Approval by Subject Coordinator required	✓			✓
SC5008	Professional Placement	This subject is intended to be taken in the final year of the degree. Internship positions are to be arranged in consultation with the Student Career team. Enrolment is subject to the confirmation of the placement & approval. Student is encouraged to consult with the course coordinator regarding internship positions specific to their discipline.	✓	✓	✓	✓
SC5901	Special Topic 1	Approval by Subject Coordinator required Note: For BSc & BBEV students only	✓	✓	✓	✓
SC5902	Special Topic 2	Approval by Subject Coordinator required Note: For BSc & BBEV students only	✓	✓	✓	✓

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