

Programme structures

INFORMATION TECHNOLOGY

CERTIFICATE IN INFORMATION TECHNOLOGY ESSENTIALS			
COURSES CREDITS			
SEMESTER 1	Quarter 1	IT4001 IT Fundamentals	15
		IT4002 Information Management	15
	Quarter 2	IT4003 Web Design	15
		IT4004 Software Development	15
SEMESTER 2	Quarter 3	†	
	Quarter 4		
Level 4 • 60 credits			

MASTER OF INFORMATION TECHNOLOGY (MIT)						
Postgraduate Diploma in Information Technology (PGDipIT)						
TRIMESTER 1		TRIMESTER 2		TRIMESTER 3		
COURSES CREDITS						
COMPULSORY	IT8101 Research Methods and Skills	15	IT8109 Special Topic	30	IT9115 Project	60
	IT8102 Technology Management	15				
ELECTIVES	Any 2 courses of the following:		Any 1 course of the following:			
	IT8103 Cyber Security (pre-requisite for Information Security Standards and Operations)	15	IT8107 Information Security Standards and Operations	30		
	IT8104 Data Analysis (pre-requisite for Data Science: Introduction, Management and Practice)	15				
	IT8105 Machine Learning	15	IT8108 Data Science: Introduction, Management and Practice	30		
	IT8106 Ubiquitous Computing and Intelligent Systems	15				
Level 8 • 60 credits		Level 8 • 60 credits		Level 9 • 60 credits		
PGDipIT • 120 credits						
MIT • 180 credits						

† Certificate programmes may be offered in both semesters.

Note: Schedule may be subject to change

BACHELOR OF APPLIED COMPUTING TECHNOLOGIES

COURSES | CREDITS

YEAR 1		YEAR 2		YEAR 3		
SEMESTER 1	BACT7501 Programming I	15	BACT7601 Cloud Computing	15	BACT7713 Capstone IT Project	45
	BACT7502 Information Technology Fundamentals	15	Choose 3	45	Choose 1	15
	BACT7503 Web programming	15	BACT7602 Data Structures & Algorithms		BACT7710 Emerging Topics in AI	
	BACT7504 Introduction to AI	15	BACT7603 Data Analysis		BACT7711 Enterprise Networking II	
BACT7604 Data Visualisation			BACT7712 Cloud-Native Application Development			
		BACT7605 Intro to Network and Cyber Security		TS7701 Launching my Future	12	
		BACT7606 Cyber Technician				
		BACT7607 Network Programming and Automation				
		BACT7608 Full Stack Web Development				
SEMESTER 2	BACT7505 Intro to Networking and Cyber Security	15	BACT7609 IT Service Management	15		
	BACT7506 Programming II	15	Choose 3	45		
	BACT7507 Intro to Databases	15	BACT7701 Machine Learning			
	BACT7508 Project	15	BACT7702 Natural Language Processing		BACT7703 Time Series Analysis	
BACT7704 Cloud Security			BACT7705 Ethical Hacking Practices			
		BACT7706 Applied Cryptography & Blockchain	BACT7707 Software Testing & Maintenance			
		BACT7708 Interaction Design	BACT7709 Full Stack Mobile Development			
1&2	TS7501 Finding my Way	24	TS7601 Developing my Skills and Attributes	24		
Level 5 • 144 credits		Level 6 & 7 • 144 credits		Level 7 • 72 credits		
Level 7 • 360 credits						

Note: Schedule may be subject to change

BACHELOR OF APPLIED INFORMATION TECHNOLOGY

COURSES | CREDITS

YEAR 1		YEAR 2		YEAR 3		
COMPULSORY	IT7511 Technical Support Fundamentals	15	N/A	IT7745 IT Project	60	
	IT7512 Web Concepts	15				
	IT7521 Information Systems	15				
	IT7514 Software Development Fundamentals	15				
SPECIALISATION 1	Network Engineering and Security					
	IT7515 Computer Servicing Skills	15	IT7638 IT Security Fundamentals	15	IT7739 IP Switched Networks	20
	IT7516 Operating Systems	15	IT7629 Routing and Switching	15	IT7740 IP Routing	20
	IT7517 Networking	15	IT7630 Connecting Networks	15	IT7741 Troubleshooting IP Networks	20
	IT7518 Database Administration and Management	15	IT7631 Network Management	15		
			IT7632 Wireless Networking	15		
			IT7633 Unified Communications	15		
			IT7634 Network Security	15		
			IT7635 IT Management	15		
	OR		OR		OR	
SPECIALISATION 2	Web and Software Development					
	IT7536 Event-driven Programming	15	IT7624 Secure Web Application Development and Server-side Scripting	15	IT7742 Advanced Programming	20
	IT7537 Web Programming	15	IT7625 Data Access Management	15	IT7743 Interaction Design	20
	IT7519 Advanced Web Scripting	15	IT7626 Web Services	15	IT7744 Web Technologies	20
	IT7520 Client-side Development	15	IT7621 Data Structures and Algorithms	15		
			IT7639 Advanced Mobile Development	15		
			IT7623 Mobile Development	15		
			IT7627 Software Testing and Maintenance	15		
			IT7628 Agile Project Management	15		
	Level 5 • 120 credits		Level 6 • 120 credits		Level 7 • 120 credits	
Level 7 • 360 credits						

Note: Schedule may be subject to change