Information Technology (MONASH), B.S. (128 Credits)
ISTM-B-FM-009
(Applicable to Students Admitted in the Academic Year 2026)

Required To earn 69 credits

1st.

Semester 1			Semester 2					
CourseNum	Course name	credit	CourseNum	Course name	credit			
ISTM020	PUBLIC SPEAKING FOR NONNATIVE SPEAKERS	3	ISTM001	ENGLISH WRITING	3			
ISTM114	ANALYTIC GEOMETRY AND CALCULUS I	4	ISTM118	ANALYTIC GEOMETRY AND CALCULUS II	4			
ISTM116	PROGRAMMING APPLICATIONS FOR ENGINEERS	3	ISTM143	INNOVATION PROJECT (2)	3			
ISTM142	INNOVATION PROJECT (1)	3	ISTM160	INTRODUCTION TO SOFTWARE LAB	1			
ISTM166	INTRODUCTION TO PYTHON PROGRAMMING	3	ISTM161	INTRODUCTION TO COMPUTER PROGRAMMING	3			
ISTM256	DISCRETE MATHEMATICAL STRUCTURES FOR COMPUTER SCIENCE	3	ISTM216	LINEAR ALGEBRA	3			

2nd.

Semester 1			Semester 2					
CourseNum	Course name	credit	CourseNum	Course name	credit			
ISTM255	DATA STRUCTURE	3	ISTM257	MACHINE STRUCTURES	3			
ISTM271	INTRODUCTION TO COMPUTER NETWORKS	3	ISTM261	INTRODUCTION TO CRYPTOGRAPHY	3			
ISTM285	INTRODUCTION TO COMPUTER SCIENCE	3	ISTM262	DATA SCIENCE PRACTICES	3			
ISTM286	OBJECT-ORIENTED DESIGN AND IMPLEMENTATIOR	3	ISTM282	DATABASE SYSTEMS	3			
ISTM409	CRITICAL THINKING	3	ISTM283	PROBABILITY AND STATISTICS	3			

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			ISTM284	WEB-BASED PROGRAMMING	3			

Elective To earn at least 0 credits

1st.								
Semester 2								
CourseNum	Course name	credit						
ISTM163	LOGIC DESIGN	3						
ISTM164	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	3						
2nd.								
Semester 1								
CourseNum	Course name	credit						
ISTM260	INTRODUCTION TO CLOUD COMPUTING	3						

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Graduation credits：128 credits
General education foundation course credits： 0 credits
General education elective course credits： 0 credits
Major required course credits： 69 credits
Major elective course credits： 0 credits
Interdisciplinary course credits： 59 credits

Guidelines for Program Completion：

Management Unit：International School of Technology and Management/MONASH-FCU 2+2 Bachelor’s Program in Information Technology