

BACHELOR OF INFORMATION TECHNOLOGY – BIT (Hons))

Program Structure

NO	CODE		CREDIT
A. UNIVERSITY CORE (22 CREDIT HOURS)			
1	ADN 1013	Islamic and Asian Civilization 1	3
2	ADN 1043	Islamic and Asian Civilization 2	3
3	ADN 1033	Malaysian Citizenship Studies	3
4	PME 1013	Fundamentals of Entrepreneurship	3
5	BLE 1012	Communication 1	2
6	BLE 1022	Communication 2	2
7	BLE 2012	English for Higher Education	3
8	XXX4/6	Co-curriculum	4
B. PROGRAM CORE (62 CREDIT HOURS)			
1	GDN 1043	Science of Thinking and Ethics	3
2	TQM 2103	Discrete Structure	3
3	TIA 1013	Basic Programming	3
4	TIA 1023	Advance Programming	3
5	TIA 2023	Data Structure & Algorithm Analysis	3
6	TID 3023	System Analysis and Design	3
7	TID 3013	Database System & Information Retrieval	3
8	TID 3163	Software Engineering	3
9	TID 3073	IT Project Management	3
10	TIK 1013	Computer System Organization	3
11	TIK 2043	Operating System	3
12	TQM 1203	Mathematic for IT	3
13	TIN 1013	Introduction to Artificial Intelligence	3
14	TIJ 2023	Networking Basic	3
15	TQS 1023	Statistics for IT	3
16	TIV 2013	Human Computer Interaction	3
17	TID 1113	Introduction to Information System Development	3
18	WFF 1013	Foundations of Finance	3
19	TIX 3998	Practicum	8
C. MAJORING COURSES (27 CREDIT HOURS)			
a) INFORMATION MANAGEMENT			
1	TID 3033	IT Management	3
2	TID 3053	Decision Support System	3
3	TID 3113	Research Method in IT	3
4	TID 3123	Database Administration	3
5	TID 3143	Knowledge Management	3
6	TID 3153	IT Entrepreneurship	3

		Elective : Choose Three (3) Courses)	
1	TID 4043	Development Methnology and CASE tools	3
2	TID 4053	Seminar in Information Management	3
3	TID 4063	Information Resource Management	3
4	TID 4073	Information Strategic Planning	3
5	TIJ 3023	Computer Network	3
6	TIJ 3043	Web Application Development	3
		b) COMPUTER NETWORK	
1	TIJ 3023	Computer Network	3
2	TIJ 3044	Routing Protocol and Concepts	4
3	TIJ 3053	Network Design	3
4	TIJ 3063	Distributed Computing	3
5	TIJ 3103	Network Management	3
6	TIJ 3133	Network & System Security	3
7	TIJ 3143	Current Issues in Network	3
8	TIJ 4053	Network Project	
		Elective : Choose Two (2) Courses	
1	TIJ 3043	Web Application Development	3
2	TIK 2023	Computer System Architecture	3
3	TIK 3043	Operating System Administration	3
4	TIV 3023	Multimedia System Networking	3
		c) INTELLIGENT SYSTEM	
1	TIN 2023	Logic Programming	3
2	TIN 2043	Knowledge Discovery in Database	3
3	TIN 2053	Neural Network	3
4	TIN 2063	Machine Learning	3
5	TIN 2103	Expert System & Knowledge Engeneering	3
6	TIN 3053	Intelligent Agent	3
7	TIN 3163	Intelligent System Project	3
		Elective : Choose Two (2) Courses	
1	TIN 3033	Natural Language Processing	3
2	TIN 3073	Fuzzy Logic System	3
3	TIN 3083	Genetic Algorithm	3
4	TIN 3113	Evolutionary Computing	3
5	TIN 3123	Evolutionary Computing	3
		d) SOFTWARE ENGINEERING	
1	TIW 3023	Database Development Environment	3
2	TIW 3033	Software Testing & Quality Assurance	3
3	TIW 3043	Web Engineering	3
4	TIW 3053	Real – time Software Engineering	3
5	TIW 3103	Software Engineering Project I	3
6	TIW 3113	Software Engineering Project II	3

Elective : Choose Two (2) Courses			
1	TIJ 3023	Computer Network	3
2	TIN 2023	Logic Programming	3
3	TIN 3053	Intelligent Agent	3
4	TIW 3013	System Programming	3
5	TIW 3044	Advanced Software Engineering	3
6	TIW 3063	Component-based Development	3
7	TIW 3073	Enterprise System Integration	3
8	TIW 3083	Games Programming	3