

**KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY
BACHELOR IN INFORMATION TECHNOLOGY (HONOURS)
(FOR BATCH 241 AND ABOVE)**

**GENERAL PROGRAMME STRUCTURE, CREDIT HOUR AND GRADUATION
REQUIREMENTS**

GENERAL PROGRAMME STRUCTURE, CREDIT HOUR AND GRADUATION REQUIREMENT	
Course Categories	Credit Hours
University Required Courses (Malaysian)	22
Core Computing Courses	21
Discipline Core Courses	36
Field Electives	18
Free Electives	12
Final Year Project (I & II)	7
Industrial Attachment	9
Total Credit Requirements for graduation Malaysian & International	125

UNIVERSITY REQUIRED COURSES				
Course Code	Course Name	Credit Hours	Pre-requisite	Offering Dept
UNGS 1301	Basic Philosophy and Islamic Worldview	3	-	IRKHS
UNGS 2290	Knowledge & Civilization in Islam	2	-	IRKHS
UNGS 2380	Ethics and Fiqh of Contemporary Issues	3	-	IRKHS
TQTD 1002	Tilawah Al-Quran 1	0.5	-	CELPAD
TQTD 2002	Tilawah Al-Quran 2	0.5	TQTD 1002	CELPAD
LQAD 2003	Arabic for Ibadah 1	0.5	-	CELPAD
LQAD 2003	Arabic for Ibadah 2	0.5	LQAD 1003	CELPAD
CCUB 1061	Usrah 1	0.5	-	STADD
CCUB 1062	Usrah 2	0.5	CCUB 1061	STADD
LEED 1301	English for Academic Writing	3	-	CELPAD
CCFM 2061	Family Management	0.5	-	STADD

UNIVERSITY REQUIRED COURSES				
Course Code	Course Name	Credit Hours	Pre-requisite	Offering Dept
CCLM 2051	Leadership	0.5	-	STADD
CCSS 1020, CCSS 2010, CCSS 3010	Skills 1	1	-	STADD
	Skills 2			
LMBD 1131	Bahasa Melayu I* (International Only)	1	-	CELPAD
LMBD1132	Bahasa Melayu II* (International Only)	1	LMBD 1131	CELPAD
LM 2026	Bahasa Melayu Kerjaya (Malaysian Only)	2	-	
SCSH 1201	Sustainable Development Issues, Principles and Practices	2	-	SC4SH
SCSH 2163	Usrah in Action 1(SD: Community Profiling)	1	SCSH 1201	SC4SH
SCSH 3164	Usrah in Action 2	1	SCSH 2163	SC4SH
Total Credits		22		

CORE COMPUTING COURSES				
Course Code	Course Name	Credit Hours	Pre-requisite	Offering Dept
BIIT 1301	Database Programming	3	-	DIS
BIIT 1303	System Analysis and Design	3	BICS 1301	DIS
BIIT 3304	ICT and Islam	3	3 rd Year	DIS
BICS 1301	Elements of Programming	3	-	DCS
BICS 1302	Introduction to Computer Organisation	3	-	DCS
BICS 1303	Computer Networking	3	BICS 1302	DCS
BICS 2305	Operating Systems	3	BICS 1302	DCS
Total Credits		21		

DISCIPLINE CORE COURSES				
Course Code	Course Name	Credit Hours	Pre-requisite	Offering Dept
BIIT 1302	Organisational Informatics	3	-	DIS
BIIT 2301	User Experience Design	3	BIIT 1303	DIS
BIIT 2302	Management of Information Security	3	BIIT 1302	DIS
BIIT 2303	Network Infrastructure Management	3	BICS 1303	DIS
BIIT 2304	Technopreneurship	3	2 nd Year	DIS
BIIT 2305	Web Application Development	3	BICS 1304 and BIIT 2301	DIS
BIIT 3301	Cloud Computing	3	BIIT 2305	DIS
BIIT 3302	Mobile Application Development	3	BIIT 2305	DIS
BIIT 3303	Cyber Law and Ethics	3	BIIT 2305	DIS
BICS 1304	Object-Oriented Programming	3	BICS 1301	DCS
BICS 1305	Discrete Structures	3	-	DCS
BICS 2303	Intelligent Systems	3	BICS 1305	DCS
Total Credits		36		

FIELD ELECTIVES				
Course Code	Course Name	Credit Hours	Pre-requisite	Offering Dept
BIIT/BICS XXXX	Field Elective I	3	Course Specific	DIS/DCS
BIIT/BICS XXXX	Field Elective II	3	Course Specific	DIS/DCS
BIIT/BICS XXXX	Field Elective III	3	Course Specific	DIS/DCS
BIIT/BICS XXXX	Field Elective IV	3	Course Specific	DIS/DCS
BIIT/BICS XXXX	Field Elective V	3	Course Specific	DIS/DCS
BIIT/BICS XXXX	Field Elective VI	3	Course Specific	DIS/DCS
Total Credits		18		

FREE ELECTIVES				
Course Code	Course Name	Credit Hours	Pre-requisite	Offering Dept
	Free Elective I	3	Course Specific	XXX
	Free Elective II	3	Course Specific	XXX
	Free Elective III	3	Course Specific	XXX
	Free Elective IV	3	Course Specific	XXX
	Total Credits	12		

FINAL YEAR PROJECT				
Course Code	Course Name	Credit Hours	Pre-requisite	Offering Dept
BIIT 4321	Final Year Project I	3	BIIT 1301, BIIT 2303, BIIT 2305	DIS
BIIT 4421	Final Year Project II	4	BIIT 4321	DIS
	Total Credits	7		
INDUSTRIAL ATTACHMENT				
BIIT 4901	Industrial Attachment	9	Complete All Courses	DIS
	Total Credits	9		

LIST OF CONCENTRATION

CYBERSECURITY				
Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
BIIT 4330	Cyber Risk Management	Core	BIIT 2302	3
BIIT 4331	Business Continuity and Disaster Recovery	Core	BIIT 2302	3
BIIT 4332	IT Control and Audit	Core	BIIT 1302	3
BIIT 4333	Web Application Security	Core	BIIT 2305	3
BIIT 4334	Information Privacy and Protection	Non Core	BIIT 2302	3
BIIT 4335	Critical Infrastructure and Physical Security	Non Core	BIIT 2302	3
BIIT 4336	Incident Handling and Response	Non Core	BIIT 2302	3

CLOUD COMPUTING AND SYSTEM PARADIGM				
Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
BIIT 4340	Cloud Computing Services	Core	BIIT 3301	3
BIIT 4341	Information Resource and Strategy Management	Core	BIIT 1303 BIIT 2305	3
BIIT 4342	Integrated Business Process and ERP Systems	Core	BIIT 2305	3
BICS 4336	Block Chain and Application	Core	-	3
BIIT 4343	Knowledge Management Practices and Applications	Non Core	BIIT 2305	3
BICS 4374	Internet-of-Things Applications	Non Core	BICS 1302	3

INNOVATIVE DIGITAL EXPERIENCE (IDEx)				
Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
BIIT 4350	Sustainable Content Design	Core	BIIT 2301	3
BIIT 4351	Applied Motion Design	Core	BIIT 2301	3
BIIT 4352	Audio and Video Communication Design	Core	BIIT 2301	3

INNOVATIVE DIGITAL EXPERIENCE (IDEx)				
Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
BIIT 4353	Visual Communication Technology	Core	BIIT 2301	3
BIIT 4354	CGI Content Creation	Non Core	BIIT 2301	3
BIIT 4355	Application Game Design	Non Core	BIIT 2301	3

DATA ANALYTICS				
Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
BIIT 4360	Business Intelligence and Data Modelling	Core	BIIT 1301	3
BIIT 4361	Data Mining in Business	Core	BIIT 1301	3
BIIT 4362	Business Data Analytics	Core	BIIT 1301	3
BIIT 4363	Data Visualisation	Core	BIIT 2301	3
BIIT 4364	Artificial Intelligence in Business	Non Core	BICS 2303	3

DIGITAL TRANSFORMATION				
Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
BIIT 4370	Digital Commerce Platform	Core	-	3
BIIT 4371	Agile Project Management	Core	BIIT 1303	3
BIIT 4372	Digital and Sejahtera Society	Core	-	3
BIIT 4373	Customer Journey Centred Digital Marketing	Core	-	3
BIIT 4374	Digital Resources, Strategy and Governance	Non Core	-	3

STUDY PLAN

YEAR 1 SEMESTER 1			
Course Code	Course Name	Credit Hours	Pre-requisite
BIIT 1301	Database Programming	3	-
BICS 1301	Elements of Programming	3	-
BICS 1302	Introduction to Computer Organisation	3	-
BICS 1305	Discrete Structures	3	-
UNGS 1301	Basic Philosophy and Islamic Worldview	3	-
TQTD 1002	Tilawah Al-Quran 1	0.5	-
CCUB 1061	Usrah 1	0.5	-
SCSH 1201	Sustainable Development Issues, Principles and Practices	2	-
CCSS 1020, CCSS 2010, CCSS 3010	Skills 1	0.5	-
LMBD 1131	Bahasa Melayu I* (International Only)	1	-
	Total Credits (Local Students)	18.5	
	Total Credits (International Students)	19.5	

YEAR 1 SEMESTER 2			
Course Code	Course Name	Credit Hours	Pre-requisite
BIIT 1302	Organisational Informatics	3	-
BIIT 1303	System Analysis and Design	3	BICS 1301
BICS 1303	Computer Networking	3	BICS 1302
BICS 1304	Object-Oriented Programming	3	BICS 1301
UNGS 2380	Ethics and Fiqh of Contemporary Issues	3	-
TQTD 2002	Tilawah Al-Quran 2	0.5	TQTD 1002
CCUB 1062	Usrah 2	0.5	CCUB 1061
LMBD1132	Bahasa Melayu II* (International Only)	1	LMBD 1131
LM 2026	Bahasa Melayu Kerjaya (Malaysian Only)	2	-
	Total Credits (Local Students)	18	
	Total Credits (International Students)	17	

YEAR 2 SEMESTER 1			
Course Code	Course Name	Credit Hours	Pre-requisite
BIIT 2301	User Experience Design	3	BIIT 1303
BIIT 2302	Management of Information Security	3	BIIT 1302
BIIT 2303	Network Infrastructure Management	3	BICS 1303
BIIT 2304	Technopreneurship	3	2 nd Year
BICS 2305	Operating Systems	3	BICS 1302
	Free Elective I	3	Course Specific
SCSH 2163	Usrah in Action 1(SD: Community Profiling)	1	SCSH 1201
LQAD 2003	Arabic for Ibadah 1	0.5	-
CCLM 2051	Leadership	0.5	-
Total Credits (Local/International)		20	

YEAR 2 SEMESTER 2			
Course Code	Course Name	Credit Hours	Pre-requisite
BIIT 2305	Web Application Development	3	BICS 1304 and BIIT 2301
BICS 2303	Intelligent Systems	3	BICS 1305
BICS/BIIT XXXX	Field Elective I	3	Course Specific
BICS/BIIT XXXX	Field Elective II	3	Course Specific
	Free Elective II	3	Course Specific
SCSH 3164	Usrah in Action 2	1	SCSH 2163
LEED 1301	English for Academic Writing	3	-
LQAD 2003	Arabic for Ibadah 2	0.5	LQAD 1003
CCSS 1020, CCSS 2010, CCSS 3010	Skills 2	0.5	-
Total Credits (Local/International)		20	

YEAR 3 SEMESTER 1			
Course Code	Course Name	Credit Hours	Pre-requisite
BIIT 3301	Cloud Computing	3	BIIT 2305
BIIT 3302	Mobile Application Development	3	BIIT 2305
BICS/BIIT XXXX	Field Elective III	3	Course Specific
BICS/BIIT XXXX	Field Elective IV	3	Course Specific
	Free Elective III	3	Course Specific
BIIT 4321	Final Year Project I	3	BIIT 1301, BIIT 2303, BIIT 2305
UNGS 2290	Knowledge & Civilization in Islam	2	-
Total Credits (Local/International)		20	

YEAR 3 SEMESTER 2			
Course Code	Course Name	Credit Hours	Pre-requisite
BIIT 3303	Cyber Law and Ethics	3	BIIT 2305
BIIT 3304	ICT and Islam	3	3 rd Year
BICS/BIIT XXXX	Field Elective V	3	Course Specific
BICS/BIIT XXXX	Field Elective VI	3	Course Specific
	Free Elective IV	3	Course Specific
BIIT 4421	Final Year Project II	4	BIIT 4321
CCFM 2061	Family Management	0.5	-
Total Credits (Local/International)		19.5	

YEAR 4 SEMESTER 1			
Course Code	Course Name	Credit Hours	Pre-requisite
BIIT 4901	Industrial Attachment	9	Passed All Courses
Total Credits (Local/International)		9	

Total Graduating Credits	
Total Credits (Local Students)	125
Total Credits (International Students)	125