

KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY
BACHELOR IN INFORMATION TECHNOLOGY (HONOURS)
(FOR BATCH 261 AND ABOVE)
GENERAL PROGRAMME STRUCTURE, CREDIT HOUR AND GRADUATION REQUIREMENTS

Program Structure	MALAYSIAN	INTERNATIONAL
UNIVERSITY REQUIRED COURSES	18	18
CORE COMPUTING COURSES	21	21
DISCIPLINE CORE COURSES	36	36
FIELD ELECTIVES	18	18
FREE ELECTIVES	12	12
FINAL YEAR PROJECT (I & II)	7	7
INDUSTRIAL ATTACHMENT	11	11
TOTAL CREDIT REQUIREMENTS OF GRADUATION	123	123

University Required Courses (18 credit hours)					
UNICORE STRUCTURE (18 credit hours)					
No	Course Code	Course Name (credit hours)	CREDIT	Offering Dept	Pre-requisite
1	MPUG 3122/ UNGS 3122	FALSAFAH DAN CABARAN SEMASA (MALAYSIAN) PHILOSOPHY AND CONTEMPORARY CHALLENGES (INTERNATIONAL)	2	IRKHS	-
2	MPUG 3112/ MPUG 3142	ASPIRASI NEGARA BANGSA (MALAYSIAN) MALAYSIAN CITRA (INTERNATIONAL)	2	CELPAD	-
3	UNGS 1213	TAWHIDIC EPISTEMOLOGY AND ISLAMIC WORLDVIEW	2		-
4	MOUG 3132	INTEGRITY AND ANTI-CORRUPTION	2		-
5	LOAD 1113	ARABIC FOR UNDERSTANDING IBADAH I	0.5	CELPAD	-
6	LOAD 1131	ARABIC FOR EFFECTIVE COMMUNICATION I	0.5	CELPAD	-
7	LOAD 2123	ARABIC FOR UNDERSTANDING IBADAH II	0.5	CELPAD	LOAD 1113
8	LOAD 2131	ARABIC FOR EFFECTIVE COMMUNICATION II	0.5	CELPAD	LOAD 1131
9	TQTD 1002	TILAWAH AL-QURAN 1	0.5	CELPAD	
10	TQTD 2002	TILAWAH AL-QURAN 2	0.5	CELPAD	TQTD 1002
11	LEED 1301	ACADEMIC ENGLISH FOR SUSTAINABILITY	2	CELPAD	
12	LMBD 3204/ MPUG3152/ MPUG3162	BAHASA MELAYU KERJAYA (SCIENCE AND TECH)-MALAYSIAN BAHASA MELAYU KOMUNIKASI (NUSANTARA)-INDO, SPORE, BRUNEI BAHASA MELAYU KOMUNIKASI (OTHER INTERNATIONAL)	2	CELPAD	-
13	CCUB 1000	USRAH	1	STADD	-
14	CCLF 2000	LEADERSHIP AND FAMILY MANAGEMENT	1	STADD	-
15	CCSS 3000	SKILL	1	STADD	-
		TOTAL CREDITS	18		

INDUSTRIAL ATTACHMENT (11 CREDITS)				
No	Course Code	Course Name	CREDIT	Pre-requisite
1	BIIT 4902	INDUSTRIAL ATTACHMENT	11	COMPLETE ALL COURSES
		TOTAL CREDITS	11	

CORE COMPUTING COURSES (21 CREDITS)				
No	Course Code	Description (number of credit hours)	CREDIT	Pre-requisite
1	BIIT 1301	DATABASE PROGRAMMING	3	-
2	BIIT 1303	SYSTEM ANALYSIS AND DESIGN	3	BICS 1301
3	BIIT 3304	ICT AND ISLAM	3	3 rd Year
4	BICS 1301	ELEMENTS OF PROGRAMMING	3	-
5	BICS 1302	INTRODUCTION TO COMPUTER ORGANISATION	3	-
6	BICS 1303	COMPUTER NETWORKING	3	BICS 1302
7	BICS 2305	OPERATING SYSTEMS	3	BICS 1302
		TOTAL CREDITS	21	

DISCIPLINE COURSE COURSES (36 CREDITS)				
No	Course Code	Course Name	CREDIT	Pre-requisite
8	BIIT 1302	ORGANISATIONAL INFORMATICS	3	-
9	BIIT 2301	USER EXPERIENCE DESIGN	3	BIIT 1303
10	BIIT 2302	MANAGEMENT OF INFORMATION SECURITY	3	BIIT 1302
11	BIIT 2303	NETWORK INFRASTRUCTURE MANAGEMENT	3	BICS 1303
12	BIIT 2304	TECHNOPRENEURSHIP	3	2 nd Year
13	BIIT 2305	WEB APPLICATION DEVELOPMENT	3	BICS 1304 and BIIT 2301
14	BIIT 3301	CLOUD COMPUTING	3	BIIT 2305
15	BIIT 3302	MOBILE APPLICATION DEVELOPMENT	3	BIIT 2305
16	BIIT 3303	CYBER LAW AND ETHICS	3	BIIT 2305
17	BICS 1304	OBJECT-ORIENTED PROGRAMMING	3	BICS 1301
18	BICS 1305	DISCRETE STRUCTURES	3	-
19	BICS 2303	INTELLIGENT SYSTEMS	3	BICS 1305
		TOTAL CREDITS	36	

FIELD ELECTIVES (18 CREDITS)				
No	Course Code	Course Name	CREDIT	Pre-requisite
1	BICS/BIIT XXXX	FIELD ELECTIVE I	3	COURSE SPECIFIC
2	BICS/BIIT XXXX	FIELD ELECTIVE II	3	COURSE SPECIFIC
3	BICS/BIIT XXXX	FIELD ELECTIVE III	3	COURSE SPECIFIC
4	BICS/BIIT XXXX	FIELD ELECTIVE IV	3	COURSE SPECIFIC
5	BICS/BIIT XXXX	FIELD ELECTIVE V	3	COURSE SPECIFIC
6	BICS/BIIT XXXX	FIELD ELECTIVE VI	3	COURSE SPECIFIC
		TOTAL CREDITS	18	

FINAL YEAR PROJECT (7 CREDITS)				
No	Course Code	Course Name	CREDIT	Pre-requisite
1	BIIT 4321	FINAL YEAR PROJECT I	3	BIIT 1301, BIIT 2303, BIIT 2305
2	BIIT 4421	FINAL YEAR PROJECT II	4	BIIT 4321
		TOTAL CREDITS	7	

BACHELOR IN INFORMATION TECHNOLOGY (HONOURS)
(FOR BATCH 261 AND ABOVE)
LIST OF FIELD ELECTIVES IN CONCENTRATION AREAS

CYBERSECURITY					
NO	Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
1	BIIT 4330	CYBER RISK MANAGEMENT	CORE	BIIT 2302	3
2	BIIT 4331	BUSINESS CONTINUITY AND DISASTER RECOVERY	CORE	BIIT 2302	3
3	BIIT 4332	IT CONTROL AND AUDIT	CORE	BIIT 1302	3
4	BIIT 4333	WEB APPLICATION SECURITY	CORE	BIIT 2305	3
5	BIIT 4334	INFORMATION PRIVACY AND PROTECTION	NON-CORE	BIIT 2302	3
6	BIIT 4335	CRITICAL INFRASTRUCTURE AND PHYSICAL SECURITY	NON-CORE	BIIT 2302	3
7	BIIT 4336	INCIDENT HANDLING AND RESPONSE	NON-CORE	BIIT 2302	3

INNOVATIVE DIGITAL EXPERIENCE (IDEX)					
NO	Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
1	BIIT 4350	SUSTAINABLE CONTENT DESIGN	CORE	BIIT 2301	3
2	BIIT 4351	APPLIED MOTION DESIGN	CORE	BIIT 2301	3
3	BIIT 4352	AUDIO AND VIDEO COMMUNICATION DESIGN	CORE	BIIT 2301	3
4	BIIT 4353	VISUAL COMMUNICATION TECHNOLOGY	CORE	BIIT 2301	3
5	BIIT 4354	CGI CONTENT CREATION	NON-CORE	BIIT 2301	3
6	BIIT 4355	APPLICATION GAME DESIGN	NON-CORE	BIIT 2301	3

DIGITAL TRANSFORMATION					
NO	Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
1	BIIT 4370	DIGITAL COMMERCE PLATFORM	CORE	-	3
2	BIIT 4371	AGILE PROJECT MANAGEMENT	CORE	BIIT 1303	3
3	BIIT 4372	DIGITAL AND SEAJHERA SOCIETY	CORE	-	3
4	BIIT 4373	CUSTOMER JOURNEY CENTRED DIGITAL MARKETING	CORE	-	3
5	BIIT 4374	DIGITAL RESOURCES, STRATEGY AND GOVERNANCE	NON-CORE	-	3

CLOUD COMPUTING AND SYSTEM PARADIGM					
NO	Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
1	BIIT 4340	CLOUD COMPUTING SERVICES	CORE	BIIT 1303	3
2	BIIT 4341	INFORMATION RESOURCE AND STRATEGY MANAGEMENT	CORE	BIIT 1303, BIIT 2305	3
3	BIIT 4342	INTEGRATED BUSINESS PROCESS AND ERP SYSTEMS	CORE	BIIT 2305	3
4	BICS 4336	BLOCK CHAIN AND APPLICATION	CORE	-	3
5	BIIT 4343	KNOWLEDGE MANAGEMENT PRACTICES AND	NON CORE	BIIT 2305	3
6	BICS 4374	INTERNET-OF-THINGS APPLICATIONS	NON CORE	BICS 1302	3

DATA ANALYTICS					
NO	Course Code	Course Name	Core / Non-core	Pre-requisite	Credit Hours
1	BIIT 4360	BUSINESS INTELLIGENCE AND DATA MODELLING	CORE	BIIT 1301	3
2	BIIT 4361	DATA MINING IN BUSINESS	CORE	BIIT 1301	3
3	BIIT 4362	BUSINESS DATA ANALYTICS	CORE	BIIT 1301	3
4	BIIT 4363	DATA VISUALISATION	CORE	BIIT 2301	3
5	BIIT 4364	ARTIFICIAL INTELLIGENCE IN BUSINESS	NON CORE	BICS 2303	3

KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY
BACHELOR IN INFORMATION TECHNOLOGY (HONOURS)
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STUDY PLAN

YEAR 1 SEMESTER 1				
Course Code	Course Name	Type	Credit Hours	Pre-requisite
MPUG 3122/ UNGS 3122	FALSAFAH DAN CABARAN SEMASA (MY) PHILOSOPHY AND CONTEMPORARY CHALLENGES (I)	UNICORE	2	-
TQTD 1002	TILAWAH AL-QURAN 1 (M)	UNICORE	0.5	-
CCUB 1000	USRAH	UNICORE	1	
UNGS 1213	TAWHIDIC EPISTEMELOGY AND ISLAMIC WORLDVIEW	UNICORE	2	
LQAD 1113/ LQAD 1131	ARABIC FOR UNDERSTANDING IBADAH I (M) ARABIC FOR EFFECTIVE COMMUNICATION I (NM)	UNICORE	1	-
BIIT 1301	DATABASE PROGRAMMING	CORE	3	-
BICS 1301	ELEMENTS OF PROGRAMMING	CORE	3	-
BICS 1302	INTRODUCTION TO COMPUTER ORGANISATION	CORE	3	-
BICS 1305	DISCRETE STRUCTURES	DISC CORE	3	-
TOTAL CREDITS (M)			18.5	
TOTAL CREDITS (NM)			18.0	

YEAR 2 SEMESTER 1				
Course Code	Course Name	Type	Credit Hours	Pre-requisite
BIIT 2301	USER EXPERIENCE DESIGN	DISC CORE	3	BIIT 1303
BIIT 2302	MANAGEMENT OF INFORMATION SECURITY	DISC CORE	3	BIIT 1302
BIIT 2303	NETWORK INFRASTRUCTURE MANAGEMENT	DISC CORE	3	BICS 1303
BIIT 2304	TECHNOPRENEURSHIP	DISC CORE	3	2 nd Year
BICS 2305	OPERATING SYSTEMS	CORE	3	BICS 1302
	FREE ELECTIVE I	FE	3	COURSE SPECIFIC
TOTAL CREDITS			18	

YEAR 3 SEMESTER 1				
Course Code	Course Name	Type	Credit Hours	Pre-requisite
MOUG 3132	INTEGRITY AND ANTI-CORRUPTION	UNICORE	2	
BIIT 3301	CLOUD COMPUTING	DISC CORE	3	BIIT 2305
BIIT 3302	MOBILE APPLICATION DEVELOPMENT	DISC CORE	3	BIIT 2305
BICS/BIIT XXXX	FIELD ELECTIVE IV	FE	3	COURSE SPECIFIC
BICS/BIIT XXXX	FIELD ELECTIVE V	FE	3	COURSE SPECIFIC
BIIT 4321	FINAL YEAR PROJECT I	FYP	3	BIIT 1301, BIIT 2303, BIIT 2305
	FREE ELECTIVE III	FE	3	COURSE SPECIFIC
TOTAL CREDITS			20	

YEAR 4 SEMESTER 1				
Course Code	Course Name	Type	Credit Hours	Pre-requisite
BICS 4902	INDUSTRIAL ATTACHMENT	IA	11	FINISH COURSES
TOTAL CREDITS			11	

LEGEND MY-Malaysian
I-International
M-Muslim
NM-Non-Muslim
N-Nusantara (Indonesian, Brunei, Singapore)

YEAR 1 SEMESTER 2				
Course Code	Course Name	Type	Credit Hours	Pre-requisite
LMBD 3204/ MPUG3152/ MPUG3162	BAHASA MELAYU KERJAYA (SCIENCE & TECH)- (MY) BAHASA MELAYU KOMUNIKASI (NUSANTARA)- (N) BAHASA MELAYU KOMUNIKASI (OTHER I)	UNICORE	2	-
TQTD 2002	TILAWAH AL-QURAN 2 (M)	UNICORE	0.5	TQTD 1002
LQAD 2232	ARABIC FOR UNDERSTANDING IBADAH II (M)	UNICORE	1	LOAD 1113/ LOAD 1131
LQAD 2132	ARABIC FOR EFFECTIVE COMMUNICATION II (NM)	UNICORE	2	LOAD 1113/ LOAD 1131
LEED 1301	ACADEMIC ENGLISH FOR SUSTAINABILITY	UNICORE	2	CELPAD
MPUG 3112/ MPUG 3142	ASPIRASI NEGARA BANGSA (M) MALAYSIAN CITRA (I)	UNICORE	2	-
BIIT 1302	ORGANISATIONAL INFORMATICS	DISC CORE	3	-
BIIT 1303	SYSTEM ANALYSIS AND DESIGN	CORE	3	BICS 1301
BICS 1303	COMPUTER NETWORKING	CORE	3	BICS 1302
BICS 1304	OBJECT-ORIENTED PROGRAMMING	DISC CORE	3	BICS 1301
TOTAL CREDITS (M)			19.50	
TOTAL CREDITS (NM)			20.00	

YEAR 2 SEMESTER 2				
Course Code	Course Name	Type	Credit Hours	Pre-requisite
CCSS 3000	SKILL	UNICORE	1	-
BIIT 2305	WEB APPLICATION DEVELOPMENT	DISC CORE	3	BICS 1304 and BIIT 2301
BICS 2303	INTELLIGENT SYSTEMS	DISC CORE	3	BICS 1305
BICS/BIIT XXXX	FIELD ELECTIVE I	FE	3	COURSE SPECIFIC
BICS/BIIT XXXX	FIELD ELECTIVE II	FE	3	COURSE SPECIFIC
BICS/BIIT XXXX	FIELD ELECTIVE III	FE	3	COURSE SPECIFIC
	FREE ELECTIVE II	FE	3	COURSE SPECIFIC
TOTAL CREDITS			19	

YEAR 3 SEMESTER 2				
Course Code	Course Name	Type	Credit Hours	Pre-requisite
CCLF 2000	LEADERSHIP AND FAMILY MANAGEMENT	UNICORE	1	
BIIT 3303	CYBER LAW AND ETHICS	DISC CORE	3	BIIT 2305
BIIT 3304	ICT AND ISLAM	CORE	3	3 rd Year
BICS/BIIT XXXX	FIELD ELECTIVE VI	FE	3	COURSE SPECIFIC
	FREE ELECTIVE IV	FE	3	COURSE SPECIFIC
BIIT 4421	FINAL YEAR PROJECT II	FYP	4	BIIT 4321
TOTAL CREDITS			17	

Total Graduating Credits	Credit Hours
TOTAL CREDITS	123