Recommended Study Plan - Bachelor of Information Technology (Honours) (KPT/JPS(R3/481/6/0020)(A5954)03/25)

faculty of Computing & Digital Technology

> This recommended study plan is planned for you to meet the requirements of the programme and when you expect to take each of them. **IT IS YOUR RESPONSIBILITY TO REVISE IT AS NEEDED ACCORDING TO THE SUBJECT AVAILABILITY LIST (SAL) & TIMETABLE EACH SEMESTER, IF YOU OBTAIN FAILURE (FL), ADDITIONAL ASSIGNMENTS (AA), ADDITIONAL EXAMINATION (AE) GRADES OR CHANGE THE RECOMMENDED STUDY PLAN.**

1. Local students _with a CREDIT_ in SPM Bahasa Malaysia & International Students
MUST COMPLETE **25** academic courses (Year 1=7 cores + 2 electives; Year 2=5 cores + 3 electives; Year 3 = 6 cores + 2 electives) + 5 MPU courses.

2. Local students _WITHOUT a CREDIT_ in SPM Bahasa Malaysia
MUST COMPLETE **25** academic courses (Year 1=7 cores + 2 electives; Year 2=5 cores + 3 electives; Year 3 = 6 cores + 2 electives) + 4 MPU courses + MPU3213 Bahasa Kebangsaan A. (DO NOT TAKE MPU3373).

January Intake

Semester	Course Code	Core (C)/Elective (E)	Course Name
Year 1 (14 Weeks) JANUARY	BIT101	C	Introduction to Information Technology
	BIT107	C	Data Communications and Networking
	BIT108	C	Discrete Mathematics
		E	Select ONE (1) Year 1 Elective, either BDA100 or BDA101
	BDA100	E	Introduction to Programming
	BDA101	E	Analytics for Decision Making
	MPU3213	MPU2	Bahasa Kebangsaan A (Local)
	MPU3373	MPU3	A*GEN CAREERS IN MALAYSIA AND BEYOND (Int)
Year 1 (7 Weeks) MAY	BIT102	C	Front-End Web Development
	MPU3193	MPU1	Falsasah dan Isu Semasa (Local & Int)
	MPU3183	MPU1	Penghayatan Etika dan Peradaban (Local)
	MPU3143	MPU1	Bahasa Melayu Komunikasi 2 (Int)
Year 1 (14 Weeks) AUGUST	BIT103	C	Introduction to Database Systems
	BIT106	C	OO Programming Fundamentals
	BIT110	C	Introduction to Operating Systems
		E	Select ONE (1) Year 1 Elective, either BIT104 or BGM101
	BIT104	E	Application Mathematics in IT
	BGM101	E	Multimedia Systems
	GEN3513	GENERAL	Communication and Leadership Skill (Local & Int)
Year 2 (14 Weeks) JANUARY	BIT201	C	Systems Architecture and Design
	BIT203	C	Advanced OO Programming
	BIT206	C	User Experience Design
		E	Select ONE (1) Year 2 Elective, either BIT219 or BMC204
	BIT219	E	Introduction to Mobile Apps
	BMC204	E	Introduction to Computer Systems Engineering
Year 2 (7 Weeks) MAY	BIT200	C	Technopreneurship and Innovation
	BIT217	E	Internet of Things
Year 2 (14 Weeks) AUGUST	BIT216	C	Software Engineering Principles
		E	Select ONE (1) Year 2 Elective, either BIT210 or BDA 203
	BIT210	E	Web Programming
	BDA203	E	Advanced Database Systems
		E	Select ONE (1) Year 2 Elective, either BIT208 or BIT212
	BIT208	E	Data Structure and Algorithms
	BIT212	E	Cloud Computing
	MPU3432	MPU4	Co-curriculum - Event Management 2 (Local & Int)
Year 3 (14 Weeks) JANUARY	BIT301	C	IT Project Management
	BIT303	C	Computer Ethics and Cybersecurity
	BIT304	C	Final Year Project I
	BMC304	**E**	**Mobile Applications Development**
Year 3 (7 Weeks) MAY	BIT320	C	Industrial Internship (3 Months)
Year 3 (14 Weeks) AUGUST	BIT305	C	Final Year Project II
	BIT310	C	Business Development Project
	BIT306	**E**	**Web Technologies**

May Intake

Semester	Course Code	Core (C)/Elective (E)	Course Name
Year 1 (7 Weeks) MAY	BIT102	C	Front-End Web Development
	MPU3193	MPU1	Falsasah dan Isu Semasa (Local & Int)
	MPU3183	MPU1	Penghayatan Etika dan Peradaban (Local)
	MPU3143	MPU1	Bahasa Melayu Komunikasi 2 (Int)
Year 1 (14 Weeks) AUGUST	BIT101	C	Introduction to Information Technology
	BIT103	C	Introduction to Database Systems
	BIT106	C	OO Programming Fundamentals
		E	Select ONE (1) Year 1 Elective, either BIT104 or BGM101
	BIT104	E	Application Mathematics in IT
	BGM101	E	Multimedia Systems
	GEN3513	GENERAL	Communication and Leadership Skill (Local & Int)
Year 1 (14 Weeks) JANUARY	BIT107	C	Data Communications and Networking
	BIT108	C	Discrete Mathematics
	BIT110	C	Introduction to Operating Systems
		E	Select ONE (1) Year 1 Elective, either BDA100 or BDA101
	BDA100	E	Introduction to Programming
	BDA101	E	Analytics for Decision Making
	MPU3213	MPU2	Bahasa Kebangsaan A (Local)
	MPU3373	MPU3	A*GEN CAREERS IN MALAYSIA AND BEYOND (Int)
Year 2 (7 Weeks) MAY	BIT200	C	Technopreneurship and Innovation
	BIT217	E	Internet of Things
Year 2 (14 Weeks) AUGUST	BIT216	C	Software Engineering Principles
		E	Select ONE (1) Year 2 Elective, either BIT210 or BDA 203
	BIT210	E	Web Programming
	BDA203	E	Advanced Database Systems
		E	Select ONE (1) Year 2 Elective, either BIT208 or BIT212
	BIT208	E	Data Structure and Algorithms
	BIT212	E	Cloud Computing
Year 2 (14 Weeks) JANUARY	BIT201	C	Systems Architecture and Design
	BIT203	C	Advanced OO Programming
	BIT206	C	User Experience Design
		E	Select ONE (1) Year 2 Elective, either BIT219 or BMC204
	BIT219	E	Introduction to Mobile Apps
	BMC204	E	Introduction to Computer Systems Engineering
Year 3 (7 Weeks) MAY	BIT320	C	Industrial Internship (3 Months)
Year 3 (14 Weeks) AUGUST	BIT304	C	Final Year Project I
	BIT310	C	Business Development Project
	BIT306	**E**	**Web Technologies**
Year 3 (14 Weeks) JANUARY	BIT301	C	IT Project Management
	BIT303	C	Computer Ethics and Cybersecurity
	BIT305	C	Final Year Project II
	BMC304	**E**	**Mobile Applications Development**

August Intake

Semester	Course Code	Core (C)/Elective (E)	Course Name
Year 1 (14 Weeks) AUGUST	BIT101	C	Introduction to Information Technology
	BIT103	C	Introduction to Database Systems
	BIT106	C	OO Programming Fundamentals
		E	Select ONE (1) Year 1 Elective, either BIT104 or BGM101
	BIT104	E	Application Mathematics in IT
	BGM101	E	Multimedia Systems
	GEN3513	GENERAL	Communication and Leadership Skill (Local & Int)
Year 1 (14 Weeks) JANUARY	BIT107	C	Data Communications and Networking
	BIT108	C	Discrete Mathematics
	BIT110	C	Introduction to Operating Systems
		E	Select ONE (1) Year 1 Elective, either BDA100 or BDA101
	BDA100	E	Introduction to Programming
	BDA101	E	Analytics for Decision Making
	MPU3213	MPU2	Bahasa Kebangsaan A (Local)
	MPU3373	MPU3	A*GEN CAREERS IN MALAYSIA AND BEYOND (Int)
Year 1 (7 Weeks) MAY	BIT102	C	Front-End Web Development
	MPU3193	MPU1	Falsasah dan Isu Semasa (Local & Int)
	MPU3183	MPU1	Penghayatan Etika dan Peradaban (Local)
	MPU3143	MPU1	Bahasa Melayu Komunikasi 2 (Int)
Year 2 (14 Weeks) AUGUST	BIT216	C	Software Engineering Principles
		E	Select ONE (1) Year 2 Elective, either BIT210 or BDA 203
	BIT210	E	Web Programming
	BDA203	E	Advanced Database Systems
		E	Select ONE (1) Year 2 Elective, either BIT208 or BIT212
	BIT208	E	Data Structure and Algorithms
	BIT212	E	Cloud Computing
Year 2 (14 Weeks) JANUARY	BIT201	C	Systems Architecture and Design
	BIT203	C	Advanced OO Programming
	BIT206	C	User Experience Design
		E	Select ONE (1) Year 2 Elective, either BIT219 or BMC204
	BIT219	E	Introduction to Mobile Apps
	BMC204	E	Introduction to Computer Systems Engineering
	MPU3432	MPU4	Co-curriculum - Event Management 2 (Local & Int)
Year 2 (7 Weeks) MAY	BIT200	C	Technopreneurship and Innovation
	BIT217	E	Internet of Things
Year 3 (14 Weeks) AUGUST	BIT304	C	Final Year Project I
	BIT310	C	Business Development Project
	BIT306	**E**	**Web Technologies**
Year 3 (14 Weeks) JANUARY	BIT301	C	IT Project Management
	BIT303	C	Computer Ethics and Cybersecurity
	BIT305	C	Final Year Project II
	BMC304	**E**	**Mobile Applications Development**
Year 3 (7 Weeks) MAY	BIT320	C	Industrial Internship (3 Months)

IMPORTANT NOTE:

1. Not all courses offered every semester or year. You SHOULD refer to the Subject Availability List (SAL) on the FCDT Bulletin Board/ HLMS. **You should revise it as needed**.

2. The primary purpose of this form is to lay out the courses required to complete your programme and when you expect to take each of them. You may then use it to track your own progress.

3. Elective - Students may choose any elective courses from the **programme list** and Subject **Availability List (SAL). Elective courses are subject to change by the department.** Please refer to **Programme Structure** for more details.

4. Diploma students must obtain a minimum grade to progress into any HELP IT Degree programmes. You shall refer to the IT handbook for more details.

5. Students must consult with an academic advisor prior to making revisions to the plan of study to ensure that the necessary curricular requirements are being met and to prevent delays in academic progression.

6. Cumulative Grade Point Average (CGPA). The CGPA is calculated to 2 decimal points. The maximum value is 4.00 & the minimum value is 2.00. All courses forming part of the programme will be included in CGPA. This includes courses: (a) for which a graded credit has been approved; (b) courses which recevied a failed grade but was subsequently passed; (c) Non-academic courses (MPW & MPU courses).

7. **Extension of Student Pass (Visa) – for international student**. It is the responsibility of the student to monitor the expiry date of their Student Pass (Visa). For your **RENEWAL of Student Pass** to be approved, your attendance in class should **NOT fall below 80% AND** you **MUST** achieve a **CGPA of at least 2.00** as required by the EMGS and Malaysian Immigration Department. **Regular attendance is COMPULSORY**. The university is required by the Ministry of Higher Education (MOHE), Malaysia to report to the MOHE, Police and Immigration if you are absent for 3 consecutive days without valid reason or prior permission from the university.