

Subject Availability List (SAL) - 2023

Year	Code	Cross Code	Pre-requisite	Credit Hours	Course Name	DT	BIT	BCS	BDA	S1	S2	S3
Diploma Year 1	DIP1PRG12		Last Offering	4	Introduction to Structured Programming					●		
	DIP101	DIP1PRG11	UQ / BJTU	4	Introduction to Visual Programming	C				●		●
	DIP102	DIP1EIT01	UQ / BJTU	4	English for IT	C					●	
	DIP103	DIP1SAD01	UQ / BJTU	4	Introduction to Analysis & Design	C				●		●
	DIP104	DIP1CTS03	UQ / BJTU	4	Computer Technology Essentials	C				●		●
	DIP105	DIP200	UQ / BJTU	4	Introduction to Computer Architecture	C				●		●
	DIP106	DIP222	UQ / BJTU	4	Programming Principles	C				●		●
	DIP107	DIP204	UQ / BJTU	4	Fundamentals of Web Development	C					●	
	DIP108	DIP201	UQ / BJTU	4	Computing Mathematics	C				●		●
	MPU1-MPU4	(For MPU1-4, please refer MPU Centre)										
Pre-requisite for Year 2 Courses: Completion of all Year 1 Diploma Academic Courses												
Diploma Year 2	DIP202		UQ / BJTU	4	Business Communications	C				●		●
	DIP203		UQ / BJTU	4	Database Concepts and Practices	C				●		●
	DIP215		UQ / BJTU	4	Object-Oriented Programming	C				●		●
	DIP206		UQ / BJTU	4	Networking and Data Communications	C				●		●
	DIP208		UQ / BJTU	4	Fundamental of Operating Systems	C				●		●
	DIP209	DIP1MPR01	All Yr 1 Courses / UQ / BJTU	5	IT Mini Project	C				●		●
	DIP221		UQ / BJTU	4	User Interface Design	C				●		●
	DIP224		DIP107 / UQ / BJTU	4	Advanced Web Development	C				●		●
	DIP220		All Yr 1 Courses / UQ / BJTU	6	Industrial Internship	C					●	
	DIP207		UQ / BJTU	4	Calculus and Linear Algebra	E				●		
	DIP211		UQ / BJTU	4	Interactive Media Applications	E						●
	DIP223			4	Fundamentals of Data Analytics	E				●		●
	DIP225		DIP215	4	Mobile App Development	E				●		●
Degree Year 1	BIT101		UQ / BJTU	4	Introduction to Information Technology		C		C	●		●
	BCS101			4	Introduction to Computer Science			C		●		●
	BCS102			4	Fundamentals of Artificial Intelligence			C			●	
	BCS103			4	Discrete Structures			C				●
	BIT102		UQ / BJTU	4	Front-End Web Development		C	E	C		●	
	BIT103		UQ / BJTU	4	Introduction to Database Systems		C	C	C	●		●
	BIT104		UQ / BJTU	4	Application Mathematics in IT		E	E		●		
	BIT106		UQ / BJTU	4	OO Programming Fundamentals		C	C		●		●
	BIT107		UQ / BJTU	4	Data Communications and Networking		C	C	C	●		●
	BIT108		UQ / BJTU	4	Discrete Mathematics		C		C	●		●
	BIT110		UQ / BJTU	4	Introduction to Operating Systems		C	C		●		●
	BDA101			4	Analytics for Decision Making		E	E	C	●		●
	BDA100		UQ / BJTU	4	Introduction to Programming		E	E	C	●		●
	MPU3373			3	A*GEN CAREERS IN MALAYSIA AND BEYOND (Local & Int)					●		
	MPU1-MPU4	(For MPU1-4, please refer MPU Centre)										
Pre-requisite for Year 2 Courses: Completion of all Year 1 Degree Academic Courses												
Degree Year 2	BDA202		BDA101	4	Application of Data Analytics				C		●	
	BDA203		BIT103 / BJTU	4	Advanced Database Systems		E	E	C	●		●
	BDA205			4	Statistics and Data Visualization			E	C			●
	BDA206		BIT103	4	Enterprise Data Infrastructure		E		C	●		●
	BIT200		UQ / BJTU	4	Technopreneurship and Innovation		C				●	
	BIT201		BIT106 OR BDA100 / UQ / BJTU	4	Systems Architecture and Design		C	C	C	●		●
	BIT203		BIT106 / UQ / BJTU	4	Advanced OO Programming		C	E		●		●
	BIT206		UQ / BJTU	4	User Experience Design		C	E	C	●		●

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	BIT208		BIT106 / UQ / BJTU	4	Data Structures and Algorithms		E					●
	BIT210		BIT102 / UQ	4	Web Programming		E	E		●		●
	BIT212		BIT107	4	Cloud Computing		E	E		●		●
	BIT216		BIT201 / UQ / BJTU	4	Software Engineering Principles		C	C		●		●
	BIT217		BIT110	4	Internet of Things		E				●	
	BMC204		UQ	4	Introduction to Computer Systems Engineering		E				●	
	BMC208		BIT106	4	Introduction to Mobile Apps		E			●		●
Pre-requisite for Year 3 Courses: Completion of all Year 1 & 2 Degree Academic Courses												
Degree Year 3	BDA306		BDA205	4	Data Mining and Machine Learning			E	C			●
	BDA307			4	Big Data Technologies				C	●		
	BIT301			4	IT Project Management		C	E	C	●		●
	BIT303			4	Computer Ethics and Cybersecurity		C	C	C	●		●
	BIT304		All Yr 1 & 2 Courses	6	Final Year Project I		C		C	●		●
	BIT305		All Yr 1, 2 & BIT304	5	Final Year Project II		C		C	●		●
	BIT306		BIT102 & BIT103	4	Web Technologies		E	E		●		●
	BIT310		BIT200	5	Business Development Project		C	C	C	●		●
	BIT320		All Yr 1 & 2 Courses	6	Industrial Internship		C		C		●	
	BMC304		BIT106	4	Mobile Applications Development		E			●		●

Undergraduate Students must complete the core subjects and the required number of electives. Please check E-Learning website (LMS) for any changes each semester.

Long Semester (14 Weeks) - Semester 1 & 3; Short Semester (7 weeks) - Semester 2. C = Core ; E = Elective ;

Management reserves the right not to run classes with less than 10 students, and to make any changes as maybe deemed necessary.

Updated: 16/12/2022

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 Dr Tang U-Liang
 Dean