



جامعة اليرموك
Yarmouk University
كلية تكنولوجيا المعلومات وعلوم الحاسوب
Faculty of Information Technology and
Computer Sciences



Document Approval Date	Study Plan	Document Code
		AP02-PR04

Department: Information Technology	Program: Business Information Technology	Official Stamp
The study plan was approved by the decision of the Deans' Council no. on		

Overview

The Bachelor of Business Information Technology (BIT) is a modern program that combines information technology and a business environment. Designed to focus on the periphery space, this program responds to market needs, enhancing student employment opportunities.

A Bachelor's degree in Business Information Technology helps you bridge the gap between business needs and technology capabilities in any industry. Students learn to use current technology in communications, databases, data analytics, and programming. In addition, students are taught not only to understand and analyze problems related to information technology, but also to suggest solutions and solve problems and decisions and correct them through the application of computing principles and related technologies.

In essence, this program provides an effective environment suitable for the production of skilled graduates with a sound understanding of the relevant disciplines of network technologies, communication principles, software engineering, security and legal issues, programming, systems analysis, design, databases, web technology, and data analysis and mining. In other words, the program will provide you with the skills to evaluate and implement technology-based solutions to business problems. You will learn to evaluate the benefits that a particular technology brings to a particular organization, and you will understand how the technologies can be used in existing systems. We focus on developing critical thinking, communication and collaboration skills among students. The demand is high and rapidly growing for professionals who have the ability to add strategic value by aligning business with technology.

Vision and Mission

Vision	To keep pace with the development of the business sector and responding to the challenges and meeting the requirements of this sector related to information and communication technology.
Mission	To supply the labor market with graduates equipped with the knowledge and skills needed to design, develop and use various business information technologies for developing Enterprise systems and the capacity for creativity and innovation.



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Program Objective	
1	Implement computing solutions for real world problems and carry out basic and applied research leading to new innovations in Business Information Technology (BIT) and related interdisciplinary areas
2	Apply knowledge of societal impacts of information technologies in the course of their career related activities ethically and appropriately
3	Have strong communication and interpersonal skills, broad knowledge, and an understanding of multicultural and global perspectives to work effectively and ethically in multidisciplinary teams, both as team members and leaders.
4	Engage in life-long learning, to remain current in their profession and obtain additional qualifications to enhance their career positions in IT industries.

Program Learning Outcomes PLOs	
PLO1	Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
PLO2	Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of business information technology discipline.
PLO3	Communicate effectively in a variety of professional contexts.
PLO4	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
PLO5	Function effectively as a member or leader of a team engaged in activities appropriate to business information technology.
PLO6	Identify and analyze user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computing-based systems in the context of business information technology.



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Credit hours to obtain a degree in Information Technology and Computer Science in a specialization of Business Information Technology			
	Credit Hours		
	Compulsory	Elective	Total
University Requirements	12	15	27
Faculty Requirements	22	0	22
Department Requirements	67	18	85
Total	101	33	134

First: University Compulsory Courses (12) Credit Hours						
Course Code	Course No.	Course Name	Number of Credit Hours			Pre-requisite
			Theoretical	Practical	Total	
AL	101	Arabic Language 1	3	0	3	-
EL	101	English Language Skills	3	0	3	-
PS	102	National Education	3	0	3	-
MILT	100	Military Sciences	3	0	3	-
EL	099	English Language Skills- Remedial	Remedial	0	0	-
AL	099	Arabic Language- Remedial	Remedial	0	0	-
COMP	099	Computer Skills- Remedial	Remedial	0	0	-

Second: University Elective Courses (15) Credit Hours						
Course Code	Course No.	Course Name	Number of Credit Hours			Pre-requisite
			Theoretical	Practical	Total	
Hum	101	Basic of Mass Communication	3	0	3	-
Hum	102	Citizenship and Allegiance	3	0	3	-
Hum	103	Islamic: Intellect & Civilization	3	0	3	-
Hum	104	Art and Behaviours	3	0	3	-
Hum	105	Jordan Contribution to Human Civilization	3	0	3	-
Hum	106	Introduction to Human Cultures Studies	3	0	3	-
Hum	107	Human Rights	3	0	3	-
Hum	108	Thinking Skills	3	0	3	-



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Sci	101	The Environment and Public Health	3	0	3	-
Sci	102	Information Technology and Society	3	0	3	-
Sci	103	Physical Education for ALL	3	0	3	-
Sci	104	Effective Communication Skills	3	0	3	-
Sci	105	Renewable Energy	3	0	3	-
Sci	106	Management and Society Development	3	0	3	-
Sci	107	Scientific Research	3	0	3	-

Third: Faculty Compulsory Courses (22) Credit Hours						
Course Code	Course No.	Course Name	Number of Credit Hours			Pre-requisite
			Theoretical	Practical	Total	
CS	111	Programming in a Selected Language	3	0	3	-
CS	111L	Programming in a Selected Language Lab	0	3	1	CS 111
MATH	101	Calculus (1)	3	0	3	-
CIS	101	Introduction to Information Systems	3	0	3	-
CIS	260	Database systems	3	0	3	CS 210 and CIS 101
STAT	111	Introduction to Probability (1)	3	0	3	-
BIT	106	Communication Skills for Information Technology	3	0	3	-
BIT	221	Legal Issues in Information Technology	3	0	3	BIT 106 and CIS 101



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Fourth: Department Compulsory Courses (67) Credit Hours						
Course Code	Course No.	Course Name	Number of Credit Hours			Pre-requisite
			Theoretical	Practical	Total	
BIT	222	Entrepreneurship in IT	3	0	3	BIT 106
BIT	241	Operations Research	3	0	3	CS 142
BIT	250	E-Commerce	3	0	3	BIT 221
BIT	332	Resources Management	3	0	3	CIS 101 and BA101
BIT	364	Systems and Projects Management	3	0	3	CIS 260
BIT	370	Enterprise Resource Planning	3	0	3	BIT 332
BIT	381	Web Application Development (1)	0	0	3	CIS 260
BIT	382	Knowledge Management	3	0	3	BIT 250
BIT	480	Decision Support Systems	3	0	3	BIT 241
BIT	480L	Decision Support Systems Lab	0	3	1	Concurrent with BIT 480
BIT	481	Web Application Development (2)	0	0	3	BIT 381
BIT	483	Business Intelligence	3	0	3	CIS 260
BIT	499	Graduation Project	3	0	3	Pass 98 CH
CYS	230	Cyber Security Principles	3	0	3	CIS 101 and BIT 106
CS	142	Discrete Structures	3	0	3	MATH 101
CS	210	Object Oriented Programming	3	0	3	CS 111
CS	250	Data structure	3	0	3	CS 210
CS	332	Data communication and networking	3	0	3	CYS 230
CIS	214	Visual Programming	3	0	3	CIS 101 and CS 210
CIS	342	Systems Analysis and Design	3	0	3	CIS 260 and CIS 240
CIS	240	Introduction to Software Engineering	3	0	3	CIS 101 and CS 210
CIS	265	Database Management Systems	3	0	3	CIS 260
BA	101	Management Principles	3	0	3	-



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Fifth: Department Elective Courses (9) Credit Hours

Course Code	Course No.	Course Name	Number of Credit Hours			Pre-requisite
			Theoretical	Practical	Total	
BIT	270	Digital Marketing	3	0	3	BIT 250
BIT	385	Data visualization	3	0	3	CIS 260
BIT	386	Web Technology	3	0	3	BIT 381
BIT	461	Quality Management and Control	3	0	3	BIT 382
BIT	492	Special Topics in BIT	3	0	3	BIT 483
BIT	498	Internship/ Practical Training	3	0	3	Pass 90 CH with department approval

Sixth: Department Elective Courses (6) Credit Hours-- Faculty of IT

Course Code	Course No.	Course Name	Number of Credit Hours			Pre-requisite
			Theoretical	Practical	Total	
CS	281	Multimedia Systems	3	0	3	CIS 101 and CS 210
CS	351	Algorithm's Analysis and Design	3	0	3	CS 142 and CS 250
CIS	367	Data Warehousing	3	0	3	CIS 260
CIS	382	Cloud Computing	3	0	3	CS 332 and CIS 260
CIS	467A	Data Mining	3	0	3	CIS 260

Seventh: Department Elective Courses (3) Credit Hours-- Faculty of Science

Course Code	Course No.	Course Name	Number of Credit Hours			Pre-requisite
			Theoretical	Practical	Total	
STAT	101	Introduction to Statistics	3	0	3	-
MATH	241	Linear Algebra	3	0	3	MATH 101
MATH	322	Numerical Analysis (1) (for IT students)	3	0	3	CS 142



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Mapping Matrix between department mandatory courses and Student outcomes

Course No.	Course Name	SOs					
		1	2	3	4	5	6
BIT 106	Communication Skills for IT			√			
BIT222	Legal Issues				√		
BIT 222	Entrepreneurship in IT						√
BIT 241	Operations Research		√				
BIT 250	E-Commerce	√					
BIT 332	Resources Management		√				
BIT 364	Systems and Projects Management					√	
BIT 370	Enterprise Resource Planning		√				
BIT 381	Web Application Development (1)	√					
BIT 382	Knowledge Management	√					
BIT 385	Data Visualization						√
BIT 386	Web Technology	√					
BIT 461	Quality Management and Control						√
BIT 480	Decision Support Systems			√			
BIT 480L	Decision Support Systems Lab			√			
BIT 481	Web Application Development (2)	√					
BIT 483	Business Intelligence		√				
BIT 492	Special Topics in BIT		√				
BIT 498	Internship/ Practical Training			√	√	√	√
BIT 499	Graduation Project			√	√	√	√

Mapping Matrix between department-elective courses and learning outcomes

Course No.	Course Name	SOs
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		1	2	3	4	5	6
BIT 270	Digital Marketing		X				X
BIT 385	Data visualization		X				
BIT 386	Web Technology		X				X
BIT 461	Quality Management and Control	X			X		X
BIT 492	Special Topics in BIT	X			X		X
BIT 498	Internship/ Practical Training	X	X				

