

Course Plan for Bachelor program - Course Plan Development and Updating Procedures/ Computer Information Systems Department	QF01/0407-3.0E
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Course Plan for Computer Information Systems (Bachelor Program) No.: (2018-2019)
Approved by Deans Council by Decision (02/20/2018-2019) Dated (06/05/2019)
(133) Credit Hours

Learning Outcomes of the Course Plan

No.	Goals and Learning Outcomes
Goal 1	Enhance and develop the educational process using the latest resources, and employ the electronic learning and enhanced educational tools.
LO 1.1	– Ability to use techniques and supporting tools to find appropriate software solutions.
LO 1.2	– Apply computing and mathematics concepts in the field of computer information systems.
LO 1.3	– Ability to use recent techniques and supporting tools in the E Learning field.
GOAL 2	Stimulate students and support them to learn, advance, research, produce, and work in the various fields of computer information systems.
LO 2.1	– Ability to analyze and find appropriate software solutions for issues using tools developed in analysis, design and evaluation.
LO 2.2	– Ability to use the methodology of scientific research to solve various problems.
LO 2.3	– Ability to develop self in continuing education.
GOAL 3	Increase the level of productivity and team work in the students and implant the understanding of professional and ethical responsibilities within the students.
LO 3.1	– Understand professional, ethical, legal, security and social responsibilities.
LO 3.2	– Use communication skills to communicate with others and work within a team to achieve the target.
LO 3.3	– Ability to build, program, analyze, and manage computer systems to suit their requirements.
GOAL 4	Develop the academic plans in the field of computer information systems to satisfy the needs of society while applying accreditation and quality standards.
LO 4.1	– Ability to cope with the latest developments in the field of Computer Information Systems.
LO 4.2	– Ability to analyze, program, and develop various computer information systems(Business Information Systems, Electronic Commerce Systems, ERP Systems, and various smart information systems.
LO 4.3	– Ability to build, develop, and maintain the computer applications, web pages, and packages.

Note: G= Goal, ILO= Intended Learning Outcome
Assign 3-7 ILOs for Each Goal

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Student's Information		Course Number	Course Title	Credit Hours	Theory Hours	Practical Hours	Prerequisite Co-Requisite	Advertisement Plan
Registered	Passed							Semester/Year
First: University Requirements (27) Credit Hours								
A. Mandatory Requirement (15 Credit Hours)								
<input type="checkbox"/>	<input type="checkbox"/>	0420101	Military Sciences	3	3	0	.....	1/2
<input type="checkbox"/>	<input type="checkbox"/>	0420111	Arabic Language (1)	3	3	0	Remedial Arabic Language	1/1
<input type="checkbox"/>	<input type="checkbox"/>	0420121	English Language (1)	3	3	0	Remedial English Language	1/2
<input type="checkbox"/>	<input type="checkbox"/>	0420151	National Education	3	3	0	.....	1/1
<input type="checkbox"/>	<input type="checkbox"/>	0420171	Life Skills	3	3	0	.....	1/1
<input type="checkbox"/>	<input type="checkbox"/>	0420000	Community Service	0	0	0	Department Approval	-
B. Electives (12) Credit Hours, Minimum (3 Credits From Each Field)								
Field I. Humanitarian Courses								
<input type="checkbox"/>	<input type="checkbox"/>	0420103	History of Jerusalem	3	3	0	.....	1/2
<input type="checkbox"/>	<input type="checkbox"/>	0420112	Islamic Culture	3	3	0	.....	2/2
<input type="checkbox"/>	<input type="checkbox"/>	0420131	Principles of Education	3	3	0	.....	1/2
<input type="checkbox"/>	<input type="checkbox"/>	0420134	Sport and Health	3	2	2	.....	2/2
<input type="checkbox"/>	<input type="checkbox"/>	0420142	Human Civilization	3	3	0	.....	1/2
<input type="checkbox"/>	<input type="checkbox"/>	0420152	Introduction to Sociology	3	3	0	.....	2/2
<input type="checkbox"/>	<input type="checkbox"/>	0520100	Innovation and Entrepreneurship in Business	3	3	0	.....	2/2
<input type="checkbox"/>	<input type="checkbox"/>	0620102	Law in Our Life	3	3	0	.....	1/2
Field II. Scientific Course								
<input type="checkbox"/>	<input type="checkbox"/>	0120111	Information Technology and Society	3	3	0	.....	1/2
<input type="checkbox"/>	<input type="checkbox"/>	0120153	Medicinal Plants	3	3	0	1/2
<input type="checkbox"/>	<input type="checkbox"/>	0320101	First Aid	3	3	0	1/2
<input type="checkbox"/>	<input type="checkbox"/>	0320102	Fundamental of	3	3	0	2/2

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Second: Faculty Requirements (21) Credit Hours

Student's Information		Course Number	Course Title	Credit Hours	Theory Hours	Practical Hours	Prerequisite Co-Requirement	Advertisement Plan
Registered	Passed							Semester/Year
<input type="checkbox"/>	<input type="checkbox"/>	0113130	Introduction to Information Technology	3	3	0	*Remedial Computer Skills	1/1
<input type="checkbox"/>	<input type="checkbox"/>	0101110	Principles of Mathematics and Statistics	3	3	0	.....	1/1
<input type="checkbox"/>	<input type="checkbox"/>	0112120	Principles of Programming	3	2	2	Introduction to Information Technology	1/2
<input type="checkbox"/>	<input type="checkbox"/>	0112130	Professional Skills for Scientific Faculties	3	3	0	.....	1/2
<input type="checkbox"/>	<input type="checkbox"/>	0112110	Discrete Mathematics	3	3	0	.....	1/1
<input type="checkbox"/>	<input type="checkbox"/>	0112220	Object Oriented Programming	3	2	2	Principles of Programming	2/1
<input type="checkbox"/>	<input type="checkbox"/>	0113220	Web Design	3	2	2	Principles of Programming	2/2

Third: Major Requirements (82) Credit Hours

A. Mandatory Major Requirements (33) Credit Hours

<input type="checkbox"/>	<input type="checkbox"/>	0114151	Basics of Software Engineering	3	3	0	Principles of Programming	2/2
<input type="checkbox"/>	<input type="checkbox"/>	0112131	Digital Logic Design	3	3	0	Discrete Mathematics	2/1
<input type="checkbox"/>	<input type="checkbox"/>	0122141	Computer Networks	3	3	0	Introduction to Information Technology	2/2
<input type="checkbox"/>	<input type="checkbox"/>	0113241	Databases	3	2	2	Object Oriented Programming	2/2
<input type="checkbox"/>	<input type="checkbox"/>	0112212	Data Structure	3	3	0	Object Oriented Programming	2/2
<input type="checkbox"/>	<input type="checkbox"/>	0113342	System Analysis and Design	3	2	2	Databases	3/1
<input type="checkbox"/>	<input type="checkbox"/>	0112222	Visual Programming	3	2	2	Object Oriented Programming	3/1
<input type="checkbox"/>	<input type="checkbox"/>	0112313	Algorithms	3	3	0	Data Structure	3/1
<input type="checkbox"/>	<input type="checkbox"/>	0113324	Internet Applications	3	2	2	Web Design	3/2

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			Programming					
<input type="checkbox"/>	<input type="checkbox"/>	0113343	Object Oriented Analysis and Design	3	2	2	System Analysis and Design	3/2
<input type="checkbox"/>	<input type="checkbox"/>	0122342	Networks Security	3	3	0	Information Security	4/2
B. Mandatory Minor Requirements (34) Credit Hours								
<input type="checkbox"/>	<input type="checkbox"/>	0113151	Management of Electronic Information Systems	3	3	0	Introduction to Information Technology	2/1
<input type="checkbox"/>	<input type="checkbox"/>	0113152	Business Information Systems	3	3	0	Introduction to Information Technology	2/1
<input type="checkbox"/>	<input type="checkbox"/>	0113344	Advanced Databases	3	2	2	Databases	3/1
<input type="checkbox"/>	<input type="checkbox"/>	0113325	Database Management Systems	3	3	0	Databases	3/1
<input type="checkbox"/>	<input type="checkbox"/>	0113353	Information Security	3	3	0	Algorithms	3/2
<input type="checkbox"/>	<input type="checkbox"/>	0113354	Data Mining	3	3	0	Advanced Databases	3/2
<input type="checkbox"/>	<input type="checkbox"/>	0113455	Data Warehouses	3	3	0	Advanced Databases	4/1
<input type="checkbox"/>	<input type="checkbox"/>	0113471	Methodology for Building Project	1	0	2	System Analysis and Design	4/1
<input type="checkbox"/>	<input type="checkbox"/>	0113456	Enterprise Resource Planning (ERP)	3	3	0	Data Mining	4/1
<input type="checkbox"/>	<input type="checkbox"/>	0113457	Information Retrieval	3	3	0	Advanced Databases	4/1
<input type="checkbox"/>	<input type="checkbox"/>	0113490	Field Training	3	0	6	Complete 90 hours	4/2
<input type="checkbox"/>	<input type="checkbox"/>	0113472	Graduation Project	3	0	6	Department Approval	4/2
C. Major Supporting Requirements (6) Credit Hours								
<input type="checkbox"/>	<input type="checkbox"/>	0101221	Linear Algebra (1)	3	3	0	Principles of Mathematics and Statistics	2/1
<input type="checkbox"/>	<input type="checkbox"/>	0101272	Numerical Analysis	3	3	0	Principles of Mathematics and Statistics	3/2
D. Major Electives (9) Credit Hours								
<input type="checkbox"/>	<input type="checkbox"/>	0113326	Software Packages	3	3	0	Introduction to Information Technology	3/1
<input type="checkbox"/>	<input type="checkbox"/>	0113381	Selected	3	3	0	Department	3/2

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			Topics in CIS				Approval	
<input type="checkbox"/>	<input type="checkbox"/>	0113358	Information Economy and Knowledge Management	3	3	0	Business Information Systems	3/2
<input type="checkbox"/>	<input type="checkbox"/>	0113427	Mobile Apps Development	3	2	2	Visual Programming	4/2
		0113482	Project Management	3	2	2	Systems Analysis and Design	4/2
<input type="checkbox"/>	<input type="checkbox"/>	0113459	Big Data Management	3	3	0	Data Mining	4/2
<input type="checkbox"/>	<input type="checkbox"/>	0113415	Modeling and Simulation of Information Systems	3	3	0	Systems Analysis and Design	4/2
<input type="checkbox"/>	<input type="checkbox"/>	0113446	Cloud Computing	3	3	0	Data Mining	4/2
<input type="checkbox"/>	<input type="checkbox"/>	0113428	Advanced Database Management Systems	3	2	2	Database Management Systems	4/2

Fourth: Free Electives (3) Credit Hours

(Student may choose any course from any course plan at the university unless the student had passed it previously)

❖ Co-requisite

Courses Given to Other Majors

Course Number	Course Title	Credit Hours	Type of Requirement (University Requirements, Faculty Requirements, Supporting Requirements)
0113130	3	Introduction to Information Technology	Faculty Requirements + Mathematics
0113220	3	Web Design	Faculty Requirements
0113353	3	Information Security	Supporting Courses: Computer Science / Computer Science, Computer Science / Computer Networks
0113324	3	Internet Applications Programming	Family Requirements: Computer Science, Software Engineering
0113241	3	Databases	Family Requirements: Computer Science, Software Engineering
0113354	3	Data Mining	Supporting Courses: Computer Science / Artificial Intelligence
0113457	3	Information Retrieval	Supporting Courses: Computer Science / Artificial Intelligence
0113325	3	Database Management Systems	Family Requirements: Software Engineering
0113342	3	Systems Analysis and Design	Family Requirements: Computer Science, Software Engineering