

**Second Semester**

Type	Prerequisite	Course Name	Course No
University	11610700	Communication Skills English Language (2))	011610800
University	----	Elective University (1)	----
University	----	Leadership, Innovation, and Entrepreneurship Skills	011610200
University	----	Voluntary Community Service	011610900
Mandatory Major	0750113	Programming Fundamentals (2)	075011800
Mandatory Major	Co-requisite 075011800	Programming Fundamentals (2) Lab	075011900
Mandatory Major	21611200	Software Engineering Fundamentals	072111100
Faculty	----	Discrete Mathematics	021611000

Total Credit Hours**18 Credit Hours**

Mandatory Major	----	Introduction to Statistics and Probabilities	021612100
Mandatory Major	72122600	Data Structures	072122800
Mandatory Major	Co-requisite 072122800	Data Structures Lab	072122900
University	----	Elective University (2)	----
Mandatory Major	072122600	Visual Programming	075021600
Mandatory Major	Co-requisite 075021600	Visual Programming Lab	075021700
Mandatory Major	72122600	Database Fundamentals	075026100
Mandatory Major	Co-requisite 075021610	Database Fundamentals Lab	075026200
Faculty	75011800	Ethics and Technical Writing in IT	021620600

Total Credit Hours**18 Credit Hours**

Mandatory Major	72122800	Fundamentals of Computer Networks	075034000
Mandatory Major	072132200	Software Project Management	072133100
Mandatory Major	072122800	Algorithms	075032300
Mandatory Major	72135000	Operating Systems	075033500
University	----	Elective University (3)	----

Total Credit Hours**15 Credit Hours****First Semester**

Type	Prerequisite	Course Name	Course No	Year
University	11609900	Communication Skills Arabic Language	011610300	(1)
University	11609800	Communication Skills English Language (1))	011610700	
University	----	National Education	011610100	
Mandatory Major	----	Programming Fundamentals (1)	075011600	
Mandatory Major	Co-requisite 075011600	Programming Fundamentals (1) Lab	075011700	
Faculty	----	Introduction to Information Systems and Technology	021611200	
Mandatory Major	----	Calculus (1)	021611100	

Total Credit Hours**18 Credit Hours**

Mandatory Major	0216099 + 075011600	Object-Oriented Programming	072122600	(2)
Mandatory Major	Co-requisite 072122600	Object-Oriented Programming Lab	072122700	
Mandatory Major	72111100	Software Requirements	072123000	
Mandatory Major	72111100	Software Modeling	072123300	
Mandatory Major	Co-requisite 072123300	Software Modeling Lab	072123400	
Faculty	021611200	Digital Logic Design	021620300	
Faculty	75011600	Introduction to Web Programming	021620400	
Faculty	Co-requisite 021620400	Web Programming Lab	021620500	
Mandatory Major	021611100	Linear Algebra (1)	025024100	(3)

Total Credit Hours**18 Credit Hours**

Mandatory Major	072123300	Software Architecture	072132000	(3)
Mandatory Major	075026100	Mobile Computing Technology	072134500	
Mandatory Major	021620300	Computer Organization and Architecture	072135000	
Mandatory Major	072123000	Systems Analysis and Design	072132200	
Mandatory Major	075026100	Database Systems Management	072135200	
Mandatory Major	Co-requisite 072135200	Database Systems Management Lab	072135300	
Elective Major	----	Elective Major (1)	----	

Total Credit Hours**18 Credit Hours**

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Mandatory Major	072142500	Secure Software Construction	072141000	Mandatory Major	72132200	Software Development and Documentation	072142500	(4)
Elective Major	-----	Elective Major(2)	-----	Mandatory Major	072132200	Software Testing	072143300	
Mandatory Major	072144800	Research Project (2)	072144900	Mandatory Major	21620400	Web Software Engineering	072142600	
Elective Major	-----	Elective Major(3)	-----	Mandatory Major	Co-requisite 072142600	Web Software Engineering Lab	072142700	
University	-----	Military Sciences	011600100	Mandatory Major	90 Hours	Practical Training	072143400	
				Mandatory Major	90 Hours	Research Project (1)	072144800	
Total Credit Hours		14 Credit Hours		Total Credit Hours		13 Credit Hours		

