



First: University Requirements (27 Credit Hours)

A. Mandatory University Requirements (18 Credit Hours)

Course Code	Course Title	Theory	Practical	Mode	Credit Hours	Prerequisite
11600100	Military Sciences ***	3	0	E	3	—
11610100	National Education	3	0	E	3	—
11610200	Leadership, Innovation, and Entrepreneurship Skills	3	0	E	3	—
11610300	Communication Skills (Arabic Language)	3	0	F	3	11609900
11610700	Communication Skills (English Language 1)	3	0	F	3	11609800
11610800	Communication Skills (English Language 2)	3	0	F	3	11610700
11610900	Voluntary Community Service	0	0	—	0	—

*** Mandatory for Jordanian students and optional for non-Jordanian students.

B. Elective University Requirements (9 Credit Hours)

Course Code	Course Title	Theory	Practical	Mode	Credit Hours	Prerequisite
11610500	Thinking Skills	3	0	B	3	—
11610600	Economic Culture	3	0	B	3	—
11611100	Language Skills (1) – European or Asian Languages	3	0	B	3	—
11611200	Language Skills (2) – European or Asian Languages	3	0	B	3	11611100
11611300	Language Skills (3) – European or Asian Languages	3	0	B	3	011611200 or 011610800
11611400	Introduction to Project Management	3	0	B	3	—
11614300	Legal Culture	3	0	B	3	—
21610200	Data analysis skills ****	3	0	B	3	Department Approval
21610400	Digital Culture ****	3	0	B	3	Department Approval

** Registration for the practical training course is subject to the faculty's instructions.

All major modules include at least 25% Practical work, Tutorial, Lab., and Assignment

All students must take the exam in Arabic, English, and computer skills. Any student who fails this exam (less than 50%) must successfully pass the remedial subject in which they failed.

**** is not selected by IT students

Second: Faculty Requirements (15 Credit Hours)

Course Code	Course Title	Theory	Practical	Mode	Credit Hours	Prerequisite
21611000	Discrete Mathematics	3	0	F	3	—
21611200	Introduction to Information Systems and Technology	3	0	E	3	—
21620600	Ethics and Technical Writing in IT	3	0	E	3	75011800
21620300	Digital Logic Design	3	0	F	3	21611200
21620400	Introduction to Web Programming	2	0	F	2	75011600
21620500	Web Programming Lab	0	2	F/Lab	1	Co-requisite with 021620400

Third: Major Requirements (90 Credit Hours)

A. Mandatory Major Requirements (81 Credit Hours)

Course Code	Course Title	Theory	Practical	Mode	Credit Hours	Prerequisite
72122600	Object-Oriented Programming	2	0	F	2	0216099 + 0750116
72122700	Object-Oriented Programming Lab	0	2	F/Lab	1	Co-requisite with 072122600
75011600	Programming Fundamentals (1)	2	0	F	2	—
75011700	Programming Fundamentals (1) Lab	0	2	F/Lab	1	Co-requisite with 075011600
75011800	Programming Fundamentals (2)	2	0	F	2	75011600
75011900	Programming Fundamentals (2) Lab	0	2	F/Lab	1	Co-requisite with 075011800
75021600	Visual Programming	2	0	F	2	721226
75021700	Visual Programming Lab	0	2	F/Lab	1	Co-requisite with 075021600
21612100	Introduction to Statistics and Probabilities	3	0	F	3	—
75032300	Algorithms	3	0	F	3	72122800
75033500	Operating Systems	3	0	F/PBL	3	72135000
75034000	Fundamentals of Computer Networks	3	0	F/PBL	3	72122800
25024100	Linear Algebra (1)	3	0	F	3	21611100
21611100	Calculus (1)	3	0	F	3	—
72111100	Software Engineering Fundamentals	3	0	B	3	21611200
72122800	Data Structures	2	0	F	2	72122600
72122900	Data Structures Lab	0	2	F/Lab	1	Co-requisite with 072122800
72123300	Software Modeling	2	0	F	2	72121100
72123400	Software Modeling Lab	0	2	F/Lab	1	Co-requisite with 072123300
72123000	Software Requirements	3	0	F/PBL	3	72121100
75026100	Database Fundamentals	2	0	F	2	72122600

B. Elective Major Requirements (9 Credit Hours)

Course Code	Course Title	Theory	Practical	Mode	Credit Hours	Prerequisite
72143900	Special Topics in Software Engineering	3	0	B/PBL	3	72132200
74145500	Big and Visual Data	3	0	B/PBL	3	75034000
72142300	Graphical User Interface Design	3	0	B/PBL	3	72132200
72132900	Mobile Application Development	3	0	B/PBL	3	72134500
74132300	Artificial Intelligence for Cybersecurity	3	0	B/PBL	3	75021600
74141600	Internet of Things	3	0	B/PBL	3	72134500

Symbol

Meaning

E Electronic course

F Face-to-face course

B Blended course

Lab Fully laboratory-based course

PBL Project-Based Learning course

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