

(Graduation Requirements: 132 Credit Hours)

First: University Requirements (24 Credit Hours)						Fourth: Specialization Requirements 84 Credit Hours)					
(a) Compulsory: (18 Credit Hours)						(a) Compulsory: (75 Credit Hours)					
Subject Number	Subject Title	Credit Hours			Prerequisites	Subject Number	Subject Title	Credit Hours			Prerequisites
		Theory	Lab	Total				Theory	Lab	Total	
1401146	Entrepreneurship and innovation	1	0	1	Concurrent Ⓢ	1307103	Linear Algebra	3	0	3	1501110
1401147	Leadership and social accountability	1	0	1		1301203	Data Structures and Algorithms	2	2	3	1301108+1501167
1401148	Life skills	1	0	1		1306102	The Basics of Data Science and Artificial Intelligence	3	0	3	1301106
100103	Military Sciences*	3	0	3	-	1306291	Artificial Intelligence Programming	2	2	3	1306102
1401116	Islamic Education	3	0	3	-	1306294	Knowledge Representation and Reasoning	3	0	3	1306102
1401123	Communication skills (Arabic)**	3	0	3	-	1306207	Data Engineering and Analysis	2	2	3	1306102
1401124	Communication skills (English)**	3	0	3	-	1301310	Design and Analysis of Algorithms	3	0	3	1301203
1401150	National Education*	3	0	3	-	1301305	Database and Application of Database	2	2	3	1301203
Total		18	0	18		1306368	Field Training	3	6	3	Pass. 90Cr. Hrs.
						1306292	Data Modeling and Simulation	3	0	3	1501212 + 1301203
(b) University Elective: (6) Credit hours are selected from:						1301326	Operating Systems Ⓢ	3	0	3	1301203
1401129	Palestinian Isuse & contemporary Arab History	3	0	3	-	1306290	Data Science Programming	2	2	3	1306207
1401126	Human Rights	3	0	3	-	1306404	Natural Language Processing Ⓢ	3	0	3	1306403
1401118	Ethics in Islam	3	0	3	-	1306296	Data Security	3	0	3	1301310
1401128	Art Education	3	0	3	-	1306293	Principles of Information Retrieval	3	0	3	1301305 + 1301310
1501163	Introduction to the Future	3	0	3	-	1306237	Graduation Project (1)	0	2	1	Pass. 90 Cr. Hrs.
1401130	Sports and Health	3	0	3	-	1306238	Graduation Project (2)	0	4	2	1306237
1401131	Introduction to Sociology	3	0	3	-	1301304	Visual Programming	2	2	3	1301305
1401127	Environmental Development	3	0	3	-	1301236	Web-Based Programming	2	2	3	1301108
1401223	Communication Skills (Arabic 2)	3	0	3	1401123	1306314	Analysis and Design of Intelligent Software Systems	2	2	3	
1401224	Communication Skills (Engsligh 2)	3	0	3	1401124	1306329	Big Data Analysis	2	2	3	1306290
1501127	Green Energy	3	0	3	-	1306330	Machine Learning	2	2	3	1306291 + 1306290
1501128	Communication and Social Media Technology	3	0	3	-	1306406	Visual Data	2	2	3	1306329
1501154	Health Education	3	0	3	-	1306403	Artificial Neural Networks and Deep Learning Ⓢ	3	0	3	1306330
1501164	Digital Culture	3	0	3	-	1306422	Business Intelligence	2	2	3	1306406
1401151	Campus Life Ethics	3	0	3	-	1306395	Smart Mobile Robots	2	2	3	1306297 + 1306291
1401221	Foreign Languages	3	0	3	-		Total	59	38	75	
						Ⓢ Practical Project					
Second: Faculty Requirements (21) Credit Hours						(b) Elective: (9 Credit Hours)					
1301106	Structured Programming	2	2	3	-	1306440	Smart Digital Image Processing	3	0	3	1301310
1501212	Probability and Statistics	3	0	3	1501110	1306460	Cloud Computing for Artificial Intelligence	3	0	3	1306329
1501167	Discrete Structures (1)	3	0	3	-	1306421	Computer Vision and Pattern Recognition Ⓢ	3	0	3	1306403
1401225	Computing Ethics and Technical Writing	2	0	2	1401124	1306298	Unstructured Databases	2	2	3	1301305
1401226	English Language for Information Technology Student	1	0	1	1401124	1306233	Internet of Things	2	2	3	1306102
1501110	Calculus (1)	3	0	3	-	1306321	Location-based systems	3	0	3	1306395
1501230	Numerical Analysis	3	0	3	1501110	1306414	Special Topics in Data Science and Artificial Intelligence	3	0	3	Dept. Approval
1301108	Object-Oriented Programming (1)	2	2	3	1301106	1306415	Advanced Technologies and Tools in data Science and Artificial Intelligence Ⓢ	3	0	3	Dept. Approval
Total		19	4	21							
Third: Free Electives (3) Credit Hours											
The student can choose any subject offered by the university faculties											
This Study Plan is to be followed as of the beginning of the first semester 2025/2026											
										Updated: 23/9/2025	