Advising Plan for Computer Science 2025/2026

First Year / First Semester

Subject Number	Subject Title	Credit Hours			Teaching Method	Prerequisites
		Theory	Lab	Total		
1401124	Communication skills (English 1)*	3	0	3	E	-
1301106	Structured Programming	2	2	3	F	-
1501110	Calculus (1)	3	0	3	F	-
1501120	General Physics (1)	3	0	3	F	-
1501121	General Physics Lab (1)	0	2	1	F	ⓒ1501120
1501167	Discrete Structures (1)	3	0	3	B	-
Total		**14**	**4**	**16**		

First Year / Second Semester

Subject Number	Subject Title	Credit Hours			Teaching Method	Prerequisites
		Theory	Lab	Total		
1401150	National Education	3	0	3	E	-
1301108	Object-Oriented Programming (1)	2	2	3	F	1301106
1301120	Digital Systems	3	0	3	B	1501167
1307103	Linear Algebra	3	0	3	B	1501110
1501212	Probability and Statistics	3	0	3	B	1501110
-	University Elective	3	0	3	E	-
Total		**17**	**2**	**18**		

Second Year / First Semester

Subject Number	Subject Title	Credit Hours			Teaching Method	Prerequisites
		Theory	Lab	Total		
1401123	Communication skills (Arabic 1)*	3	0	3	E	-
1301203	Data Structures and Algorithms	2	2	3	F	1301108+1501167
1301224	Microcomputer Systems and Assembly Language ⚙	3	0	3	B	1301120
1301236	Web-Based Programming	2	2	3	F	1301108
1302281	Introduction to Software Engineering	3	0	3	B	1301108
-	-	-	-	-	-	-
Total		**13**	**4**	**15**		

Second Year / Second Semester

Subject Number	Subject Title	Credit Hours			Teaching Method	Prerequisites
		Theory	Lab	Total		
100103	Military Sciences*	3	0	3	E	-
1301222	Computer Organization and Architecture	3	0	3	B	1301224
1301310	Design and Analysis of Algorithms	3	0	3	F	1301203
1501230	Numerical Analysis	3	0	3	B	1501110
-	University Elective	3	0	3	E	-
-	-	-	-	-	-	-
Total		**15**	**0**	**15**		

Third Year / First Semester

Subject Number	Subject Title	Credit Hours			Teaching Method	Prerequisites
		Theory	Lab	Total		
1301326	Operating Systems ⚙	3	0	3	B	1301203
1301305	Database and Application of Database	2	2	3	F	1301203
1301306	Basics of Electric Physics	3	0	3	B	1501121+1301120
1301307	Basics of Electric Physics Lab	0	2	1	F	ⓒ1301306
1401225	Computing Ethics and Technical Writing	2	0	2	B	1401124
1401226	English Language for Information Technology Student	1	0	1	B	1401124
1401116	Islamic Education	3	0	3	E	-
Total		**14**	**4**	**16**		

Third Year / Second Semester

Subject Number	Subject Title	Credit Hours			Teaching Method	Prerequisites
		Theory	Lab	Total		
1301304	Visual Programming	2	2	3	F	1301305
1301315	Theory of Computation	3	0	3	F	1301203
1305130	Data Communications and Computer Networks	3	0	3	B	1301326
1301386	Information Systems Analysis and Design	2	2	3	B	1301305
1306305	Artificial Intelligence	2	2	3	F	1301203
-	Specialization Elective	3	0	3	-	-
-	-	-	-	-	-	-
Total		**15**	**6**	**18**		

1301369	Field Training	0	6	3	F	Pass. 90Cr. Hrs.

During summer semester of third year

Fourth Year / First Semester

Subject Number	Subject Title	Credit Hours			Teaching Method	Prerequisites
		Theory	Lab	Total		
1301491	Graduation Project (1)	0	2	1	F	Pass. 90 Cr. Hrs. + 1301386
1301401	Programming with Generative AI	2	2	3	F	1306305
1301415	Compiler Construction	3	0	3	B	1301315
1302338	Advanced Internet Computing	2	2	3	F	1301236+ 1301305
-	Specialization Elective	3	0	3	-	-
-	University Compulsory	3	0	3	E	-
Total		**13**	**6**	**16**		

Fourth Year / Second Semester

Subject Number	Subject Title	Credit Hours			Teaching Method	Prerequisites
		Theory	Lab	Total		
1301492	Graduation Project (2)	0	4	2	F	1301491
1301468	Recent trends in computing	0	2	1	F	1301305
1305416	Information Security	3	0	3	B	1305330
1305421	Cloud Computing and Big Data	2	2	3	F	1306305 + 1301305
-	Specialization Elective	3	0	3	-	-
-	Elective	3	0	3	-	-
Total		**11**	**8**	**15**		

ⓒ Concurrent B: Blended E: E-Learning F: Face-to-Face ⚙: Practical Project

Total Credit Hours (Including Field Training): 132