

DEPARTMENT OF INFORMATION SYSTEMS ENGINEERING					
DOUBLE MAJOR PROGRAM FOR STUDENTS FROM ELECTRICAL-ELECTRONICS ENGINEERING PROGRAM					
UNDERGRADUATE CURRICULUM					
AUGUST, 2026					
Information Systems Engineering Program			Electrical-Electronics Engineering Program		
1st Term			1st Term		
Course Code	Course Name	(T-U)A	Course Code	Course Name	(T-U)A
CMPE 109	Fundamentals of	(2-1)2.5			
KRY111	Career Planning	(1-0)1	KRY111	Career Planning	(1-0)1
CMPE 113	Computer Program	(2-2)4	CMPE 113	Computer Program	(2-2)4
MATH 151	Calculus I	(4-2)7	MATH 151	Calculus I	(4-2)7
PHYS 101	General Physics I	(3-2)6	PHYS 101	General Physics I	(3-2)6
CHE 105	General Chemistry	(3-2)5	CHE 105	General Chemistry	(3-2)5
ENG 101	English for Academic	(4-0)3.5	ENG 101	English for Academic	(4-0)3.5
HIST 101	Principles of Atatürk	(2-0)2	HIST 101	Principles of Atatürk	(2-0)2
ATU 100	Orientation	(1-0)1	ATU 100	Orientation	(1-0)1
	Total Credit	32			
2nd Term			2nd Term		
Course Code	Course Name	(T-U)A	Course Code	Course Name	(T-U)A
ISE 102	Introduction to Mathematics	(3-0)3.5			
CMPE 114	Computer Programming	(3-2)5			
MATH 152	Calculus II	(4-2)7	MATH 152	Calculus II	(4-2)7
PHYS 102	General Physics II	(3-2)6	PHYS 102	General Physics II	(3-2)6
ENG 102	English for Academic	(4-0)3.5	ENG 102	English for Academic	(4-0)3.5
HIST 102	Principles of Atatürk	(2-0)2	HIST 102	Principles of Atatürk	(2-0)2
HIST 221	History of Civilization	(3-0)3	HIST 221	History of Civilization	(3-0)3
	Total Credit	30			
3rd Term			3rd Term		
Course Code	Course Name	(T-U)A	Course Code	Course Name	(T-U)A
ISE 261	Business and Economics	(3-0)6			
CMPE 225	Object-Oriented Programming	(3-2)8			
CMPE 251	Discrete Mathematics	(3-0)7			
MATH 275	Linear Algebra	(4-0)6	MATH 275	Linear Algebra	(4-0)6
ENG 201	English for Academic	(3-0)3	ENG 201	English for Academic	(3-0)3
	Total Credit	30			
4th Term			4th Term		
Course Code	Course Name	(T-U)A	Course Code	Course Name	(T-U)A
SE 212	Human Computer Interaction	(3-0)8			
CMPE 226	Data Structures	(3-0)8			
MATH 276	Differential Equations	(4-0)6	MATH 276	Differential Equations	(4-0)6
IE 220	Probability and Statistics	(3-0)5	EE 213	Probability and Random Processes	(3-0)7
ENG 202	English for Academic	(3-0)3	ENG 202	English for Academic	(3-0)3
	Total Credit	30			
5th Term			5th Term		

Course Code	Course Name	(T-U)A	Course Code	Course Name	(T-U)A
ISE 353	Information Systems Engineering	(3-0)10			
ISE 311	Internet Program	(2-2)5			
CMPE 341	Database Design	(3-2)7			
ISE 399	Summer Practice I	(0-0)6	EE 399	Summer Practice I	(0-0)6
FE 302	Principles of Engineering	(3-0)3	FE 302	Principles of Engineering	(3-0)3
AE-1	Area Elective	(3-0)5	AE	Area Elective	(3-0)5
	Total Credit	36			
6th Term			6th Term		
Course Code	Course Name	(T-U)A	Course Code	Course Name	(T-U)A
ISE 314	Data Warehousing	(3-0)5			
ISE 332	IT Infrastructure	(3-0)5			
CMPE 338	Computer Networks	(3-2)6			
SE 346	Software Engineering	(3-1)6			
SE 328	Algorithms and Complexity	(3-0)5			
FE301	Occupational Health and Safety	(3-0)4	FE301	Occupational Health and Safety	(3-0)4
	Total Credit	31			
7th Term			7th Term		
Course Code	Course Name	(T-U)A	Course Code	Course Name	(T-U)A
ISE 441	Practical Machine Design	(3-0)5			
ISE 499	Summer Practice II	(0-0)10			
AE-2	Area Elective (multiple)	(3-0)5	AE	Area Elective (multiple)	(3-0)5
AE-3	Area Elective	(3-0)5	AE	Area Elective	(3-0)5
AE-4	Area Elective	(3-0)5	AE	Area Elective	(3-0)5
GE-1	General Elective	(3-0)4	GE-1	General Elective	(3-0)4
GE-2	General Elective	(3-0)4	GE-2	General Elective	(3-0)4
TURK 401	Turkish Language	(2-0)2	TURK 401	Turkish Language	(2-0)2
	Total Credit	40			
8th Term			8th Term		
Course Code	Course Name	(T-U)A	Course Code	Course Name	(T-U)A
ISE 426	Computer Security	(3-0)5			
ISE 494	Senior Project	(4-0)9			
AE-5	Area Elective	(3-0)5			
AE-6	Area Elective	(3-0)5			
GE-3	General Elective	(3-0)4	GE-3	General Elective	(3-0)4
TURK 402	Turkish Language	(2-0)2	TURK 402	Turkish Language	(2-0)2
	Total Credit	30			

NOTES:

1-Double major department is "Information Systems Engineering"; Main major department is Electrical-Electronics Engineering

2-The courses written in bold must be taken from double major department.

3- Only the courses on the same row are assumed to be equivalent and must be taken from main program and be transferred to double major program.

4- No more than three area electives can be taken from the Electrical-Electronics Engineering Department. The area electives that are taken from the EE should be related with the Information Systems Engineering contents and should be approved by the advisor.

5- Multi-disciplinary area electives are equivalent for both departments.

6- General Electives: All the General Electives must be taken from the main major department and be transferred to double major program.

7- Summer Practices: Summer Practice I is equivalent for both departments. Summer Practice II should be taken from IS.
