İSTANBUL TICARET UNIVERSITY FACULTY OF ENGINEERING/ COMPUTER ENGINEERING
DEPARTMENT CURRICULUM OF 2025-2026

Course Code	First Year / First Semester / Fall	T	U	C	ECTS	Language
LNG101	**General English 1**	**2**	**0**	**2**	**2**	İ
GNL105	Turkish Language I	**2**	**0**	**2**	**2**	T
FEF111	**Physics 1**	**3**	**0**	**3**	**4**	İ
FEF121	**Physics Lab. 1**	**0**	**2**	**1**	**3**	İ
MAT121	**Mathematical Analysis 1**	**4**	**0**	**4**	**7**	İ
BIL101	Introduction to Computer Engineering	**2**	**0**	**2**	**4**	T
BIL111	**Programming**	**3**	**1**	**3,5**	**6**	İ
GNL101	Atatürk's Principles and History of the Turkish Revolution I	**2**	**0**	**2**	**2**	T
T. Credit				**19,5**	**30**	

Course Code	First Year / Second Semester / Spring	T	U	C	ECTS	Language
LNG102	General English 2	**2**	**0**	**2**	**2**	İ
GNL106	Turkish Language 2	**2**	**0**	**2**	**2**	T
FEF112	Physics 2	**3**	**0**	**3**	**4**	İ
FEF122	Physics Lab. 2	**0**	**2**	**1**	**3**	İ
MAT122	Mathematical Analysis 2	**4**	**0**	**4**	**7**	İ
BIL122	Data Structures	**2**	**1**	**2,5**	**5**	T
BIL252	Logical System Design	**3**	**0**	**3**	**5**	T
GNL102	Atatürk's Principles and History of the Turkish Revolution 2	2	0	2	2	T
T. Credit				19,5	**30**	

Course Code	Second Year / Third Semester / Fall	T	U	C	ECTS	Language
ENG126	**Engineering Mathematics 1**	**3**	**0**	**3**	**5**	İ
ENG213	Numerical Analysis	**3**	**0**	**3**	**5**	T
BIL223	Electronic Circuits	**3**	**0**	**3**	**5**	T
BIL225	Logical Design Laboratory (*)	**0**	**2**	**1**	**3**	T
BIL231	**Algorithms**	**2**	**1**	**2,5**	**5**	İ
BIL233	**Object Oriented Programming**	**3**	**1**	**3,5**	**7**	İ
T. Credit				**16**	**30**	

PREREQUISITE-1 (*): Students who have not taken the course BIL252 Logical System Design or who have taken it and received an IA grade are not eligible to take this course.

Course Code	Second Year / Fourth Semester / Spring	T	U	C	ECTS	Language
ENG227	**Engineering Mathematics 2**	**3**	**0**	**3**	**5**	İ
ENG232	Probability and Statistics	**3**	**0**	**3**	**5**	T
BIL226	Electronics Laboratory (**)	**0**	**2**	**1**	**3**	T
BIL234	Programming Languages	**2**	**1**	**2,5**	**5**	İ
BIL242	**Database Systems**	**3**	**1**	**3,5**	**5**	T
EEE214	**Signals and Systems**	**3**	**0**	**3**	**5**	T
REKXXX	**University Elective Course 1**	3	0	2	2	T
T. Credit				**18**	**30**	
ENG301	Summer Practice 1	0	0	0	5	

PREREQUISITE-2 (): Students who have not taken the course BIL223 Electronic Circuits or who have taken it and received an IA grade are not eligible to take this course.**

Course Code	Third Year / Fifth Semester / Fall	T	U	C	ECTS	Language
BIL317	**Discrete Mathematics**	**3**	**0**	**3**	**4**	İ
BIL321	Data Communications	**3**	**0**	**3**	**3**	T
BIL331	**Microprocessor Systems**	**3**	**0**	**3**	**4**	İ
ENG305	Preparation and management of research projects	**2**	**0**	**2**	**2**	İ
BIL353	Artifical Intelligence	3	0	3	5	İ
	Elective Course 1:	3	0	3	5	
	Elective Course 2:	3	0	3	5	
REKXXX	University Elective Course 2	3	0	3	2	
T. Credit				23	**30**	

Course Code	Third Year / Sixth Semester / Spring	T	U	C	ECTS	Language
BIL342	**Operating Systems**	**3**	**0**	**3**	**5**	i
BIL352	Computer Architecture	**4**	**0**	**4**	**7**	T
BIL382	**Mikroişlemcili Sistem Lab. (***)**	**0**	**2**	**1**	**3**	T
BIL348	Machine Learning	**3**	**0**	**3**	**5**	i
	Elective Course 3:	3	0	3	5	
	Elective Course 4:	3	0	3	5	
T. Credit				**17**	**30**	
ENG302	Summer Practice 2	0	0	0	5	

PREREQUISITE-3 (*) : Students who have not taken the course BIL331 Microprocessor Systems, or who have taken it but received an IA grade, are not eligible to take this course.**

Course Code	Fourth Year / Seventh Semester / Fall	T	U	C	ECTS	Language
BIL441	**Computer Networks**	**3**	**0**	**3**	**5**	i
BIL451	Information Design Project	0	4	2	7	T
BIL453	Computer Systems Laboratory	0	2	1	3	T
	Elective Course 5	3	0	3	5	T
	Elective Course 6	3	0	3	5	T
	Elective Course 7	3	0	3	5	T
T. Credit				**15**	**30**	

Course Code	Fourth Year / Eigthth Semester/ Spring	T	U	C	ECTS	Language
ENG412	**Sistem Analiz veTasarımı**	**2**	**2**	**3**	**3**	T
ENG402	Graduation Project (****)	0	4	2	7	T
GNL450	Career Planning	2	0	2	0	T
SFT444	**Cyber Security and Ethics**	3	0	3	5	i
	Elective Course 8	3	0	3	5	T
	Elective Course 9	3	0	3	5	T
	Elective Course 10	3	0	3	5	T
T. Credit				**19**	**30**	

PREREQUISITE-4 (****): Students who have passed the course BIL451 Information Systems Design Project with at least a grade of DF are eligible to take this course.

Explanation 1: For students who have previously taken the course and failed, the former ECTS value will remain valid.
Explanation 2: Students whose total ECTS credits fall below 240 due to course adaptation may complete their missing ECTS credits by taking other elective courses, provided that they have taken 10 departmental elective courses

Explanation 3: As of the 2025–26 Academic Year, all students will be subject to the new curriculum starting from the class level they are currently enrolled in.