DERS PROGRAMI

YEAR ONE

1st Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
COME103	Introduction to Computer Engineering	3	0	0	3	4	
MATH101	Calculus I*	3	2	0	4	6	
PHYS101	Physics I*	3	0	2	4	6	
CHEM101	General Chemistry I*	3	0	2	4	6	
ENG103	English-I	2	0	0	2	2	
RPSC109	Positive Phychology and Communication Skills	3	0	0	3	5	
RCUL103	University Culture I*	0	2	0	1	4	
Total Credits		**17**	**4**	**4**	**21**	**33**	

2nd Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
COME102	Introduction to Algorithms and Programming*	2	0	2	3	4	
COME104	Discrete Mathematics	3	0	0	3	4	
MATH102	Calculus II*	3	2	0	4	6	
MATH104	Basic Linear Algebra*	2	0	2	3	5	
PHYS102	Physics II*	3	0	2	4	6	
ENG104	English II	2	0	0	2	2	
RCUL104	University Culture II*	0	2	0	1	4	
Total Credits		**15**	**4**	**6**	**20**	**31**	

YEAR TWO

3rd Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
COME205	Data Structures*	2	0	2	3	5	COME102
COME209	Introduction to Signals and Systems*	2	2	0	3	5	MATH101/2
COME215	Electronic Circuits*	3	0	2	4	6	PHYS102
MATH203	Differential Equations*	2	2	0	3	5	
RPRE104	Entrepreneurship and Project Culture	2	0	0	2	3	
TURK103	Turkish Language I	2	0	0	2	2	
ATA103	Principles of Atatürk and History of Turkish Revolution I	2	0	0	2	2	
Total Credits		**15**	**4**	**4**	**19**	**28**	

4th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
COME204	Logic Circuits*	3	0	2	4	6	
COME206	Object Oriented Programming*	3	0	2	4	6	COME205
COMEXXX	Departmental Elective I	3	0	0	3	5	
MATH204	Statistics	3	0	0	3	5	
TURK104	Turkish Language II	2	0	0	2	2	
ATA104	Principles of Atatürk and History of Turkish Revolution II	2	0	0	2	2	
COME284	Summer Practice I**	0	0	0	0	5	
Total Credits		**16**	**0**	**4**	**18**	**31**	

YEAR THREE

5th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
COME301	Database Management Systems*	2	0	2	3	5	
COME305	Analysis of Algorithms	3	0	0	3	5	COME205
COME315	Computer Architecture	3	0	0	3	5	COME204
COMEXXX	Departmental Elective II (Project Based)	3	0	0	3	5	
XXXXX	Field Elective I	3	0	0	3	5	
XXXXXXX	Elective (2nd Foreign Language)	3	0	0	3	5	
Total Credits		**17**	**0**	**2**	**18**	**30**	

6th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
COME302	Operating Systems	3	0	0	3	5	COME205
COME322	Microprocessors*	2	0	2	3	5	COME315
COMEXXX	Departmental Elective III (Project Based)	3	0	0	3	5	
MATH302	Numerical Analysis	3	0	0	3	6	
COME384	Summer Practice II**	0	0	0	0	5	
XXXXX	Social Elective I	3	0	0	3	5	
Total Credits		**14**	**0**	**2**	**15**	**31**	

YEAR FOUR

7th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
COME413	Computer Networks	3	0	0	3	5	
COME491	Graduation Project	2	0	0	2	7	
COMEXXX	Departmental Elective IV	3	0	0	3	5	
XXXXX	Field Elective II	3	0	0	3	5	
XXXXX	Field Elective III	3	0	0	3	5	
Total Credits		**14**	**0**	**0**	**14**	**27**	

8th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
COME492	Graduation Thesis*	0	0	4	2	8	COME491
COMEXXX	Departmental Elective V	3	0	0	3	5	
COMEXXX	Departmental Elective VI	3	0	0	3	5	
XXXXX	Field Elective IV	3	0	0	3	5	
XXXXX	Social Elective II	3	0	0	3	5	
OHS404	Occupational Health and Safety	4	0	0	4	4	
Total Credits		**16**	**0**	**4**	**18**	**32**	

Total Course Credits for Graduation	143
Total Course ECTS for Graduation	243
Total Elective Courses ECTS	65
Elective Course Ratio	27%

COME284 Hardware based summer practice
COME384 Software based summer practice
* These courses are under the Applied Course status.
** These courses are under the Internship Course status.

Elective Course - Pool

Departmental Elective Courses

Code	Course Name	T	P	L	C	ECTS	Prerequisite
COME214	Programming Languages	3	0	0	3	5	
COME306	Digital Signal Processing	3	0	0	3	5	
COME309	Web Programming	3	0	0	3	5	
COME310	Real Time Systems	3	0	0	3	5	
COME311	Data Security	3	0	0	3	5	
COME312	User Interface Design	3	0	0	3	5	
COME313	Mathematical Modelling	3	0	0	3	5	
COME314	Introduction to Control Systems	3	0	0	3	5	
COME317	Intelligent Robotics	2	0	2	3	5	
COME318	Computer Graphics	3	0	0	3	5	
COME319	Mobile Programming	2	0	2	3	5	
COME324	Visual Programming	2	0	2	3	5	
COME401	Data Mining	3	0	0	3	5	
COME402	Artificial Neural Networks	3	0	0	3	5	
COME403	Software Engineering	3	0	0	3	5	
COME404	Fuzzy Controllers	3	0	0	3	5	
COME405	Artificial Intelligence	3	0	0	3	5	
COME406	Parallel Computing	3	0	0	3	5	
COME407	Image Processing	3	0	0	3	5	
COME408	Network Security	3	0	0	3	5	
COME409	Automata Theory	3	0	0	3	5	
COME410	Systems Programming	3	0	0	3	5	
COME411	System Analysis and Design	3	0	0	3	5	
COME412	Embedded Systems	3	0	0	3	5	
COME414	Optimization Techniques	3	0	0	3	5	
COME416	Compiler Design	3	0	0	3	5	
COME418	Natural Language Processing	3	0	0	3	5	
COME420	Biomedical and Laboratory Instrumentation	3	0	0	3	5	
COME422	Introduction to Brain Computer Interfaces	3	0	0	3	5	

Elective Foreign Languages

Code	Course Name	T	P	L	C	ECTS	Prerequisite
ESP123	Spanish I	3	0	0	3	5	
ESP124	Spanish II	3	0	0	3	5	ESP123
CHN123	Chinese I	3	0	0	3	5	
CHN124	Chinese II	3	0	0	3	5	CHN123
ARB123	Arabic I	3	0	0	3	5	
ARB124	Arabic II	3	0	0	3	5	ARB123
RSN123	Russian I	3	0	0	3	5	
RSN124	Russian II	3	0	0	3	5	RSN123
GER123	German I	3	0	0	3	5	
GER124	German II	3	0	0	3	5	GER123
FRN123	French I	3	0	0	3	5	
FRN124	French II	3	0	0	3	5	FRN123
JAP123	Japanese I	3	0	0	3	5	
JAP124	Japanese II	3	0	0	3	5	JAP123
ITA123	Italian I	3	0	0	3	5	
ITA124	Italian II	3	0	0	3	5	ITA123

Field Elective Courses

For Field Elective courses, any departmental elective course having appropriate credits from other departments of Faculty of Engineering and Natural Sciences can be elected.

Social Elective Courses

For Social Elective courses any course having appropriate credits from other faculties can be elected.