1st Term								2nd Term							
Code	Course Name	т	P	L	С	ECTS	Prerequisite	Code	Course Name	T	P	L	С	ECTS	Prerequisite
COME103	Introduction to Computer Engineering	3	0	0	3	4		COME102	Introduction to Algorithms and Programming*	2	0	2	3	4	
MATH101	Calculus I*	3	2	0	4	6		COME104	Discrete Mathematics	3	0	0	3	4	
PHYS101	Physics I*	3	0	2	4	6		MATH102	Calculus II*	3	2	0	4	6	
CHEM101	General Chemistry I*	3	0	2	4	6		MATH104	Basic Linear Algebra*	2	0	2	3	5	
ENG103	English-I	2	0	0	2	2		PHYS102	Physics II*	3	0	2	4	6	
RPSC109	Positive Phychology and Communication Skills	3	0	0	3	5		ENG104	English II	2	0	0	2	2	
RCUL103	University Culture I*	0	2	0	1	4		RCUL104	University Culture II*	0	2	0	1	4	
Total Credits		17	4	4	21	33		Total Credits		15	4	6	20	31	

	<u>' </u>														
							YEAR	RTWO							
	3	rd Term							4	th Term					
Code	Course Name	т	P	L	С	ECTS	Prerequisite	Code	Course Name	т	P	L	С	ECTS	Prerequisite
COME205	Data Structures*	2	0	2	3	5	COME102	COME204	Logic Circuits*	3	0	2	4	6	
COME209	Introduction to Signals and Systems*	2	2	0	3	5	MATH101/2	COME206	Object Oriented Programming*	3	0	2	4	6	COME205
COME215	Electronic Circuits*	3	0	2	4	6	PHYS102	COMEXXX	Departmental Elective I	3	0	0	3	5	
MATH203	Differential Equations*	2	2	0	3	5		MATH204	Statistics	3	0	0	3	5	
RPRE104	Entrepreneurship and Project Culture	2	0	0	2	3		TURK104	Turkish Language II	2	0	0	2	2	
TURK103	Turkish Language I	2	0	0	2	2		ATA104	Principles of Atatürk and History of Turkish Revolution II	2	0	0	2	2	
ATA103	Principles of Atatürk and History of Turkish Revolution I	2	0	0	2	2		COME284	Summer Practice I**	0	0	0	0	5	
Total Credits		15	4	4	19	28		Total Credits		16	0	4	18	31	

							YEAR	THREE							
	5	th Term							6	th Term					
Code	Course Name	т	P	L	С	ECTS	Prerequisite	Code	Course Name	т	P	L	С	ECTS	Prerequisite
COME301	Database Management Systems*	2	0	2	3	5		COME302	Operating Systems	3	0	0	3	5	COME205
COME305	Analysis of Algorithms	3	0	0	3	5	COME205	COME322	Microprocessors*	2	0	2	3	5	COME315
COME315	Computer Architecture	3	0	0	3	5	COME204	COMEXXX	Departmental Elective III (Project Based)	3	0	0	3	5	
COMEXXX	Departmental Elective II (Project Based)	3	0	0	3	5		MATH302	Numerical Analysis	3	0	0	3	6	
XXXXXX	Field Elective I	3	0	0	3	5		COME384	Summer Practice II**	0	0	0	0	5	
XXXXXXXXXX	Elective (2nd Foreign Language)	3	0	0	3	5		XXXXXX	Social Elective I	3	0	0	3	5	
Total Credits		17	0	2	18	30		Total Credits		14	0	2	15	31	

	YEAR FOUR														
	71	th Term							8	th Term					
Code	Course Name	т	P	L	С	ECTS	Prerequisite	Code	Course Name	т	P	L	С	ECTS	Prerequisite
COME413	Computer Networks	3	0	0	3	5		COME492	Graduation Thesis*	0	0	4	2	8	COME491
COME491	Graduation Project	2	0	0	2	7		COMEXXX	Departmental Elective V	3	0	0	3	5	
COMEXXX	Departmental Elective IV	3	0	0	3	5		COMEXXX	Departmental Elective VI	3	0	0	3	5	
XXXXXX	Field Elective II	3	0	0	3	5		XXXXXXX	Field Elective IV	3	0	0	3	5	
XXXXXX	Field Elective III	3	0	0	3	5		XXXXXXX	Social Elective II	3	0	0	3	5	
								OHS404	Occupational Health and Safety	4	0	0	4	4	
Total Credits		14	0	0	14	27		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 Co	ourse
	Departme	ental Elective	Courses					
Code	Course Name	T	P	L	С	ECTS	Prerequisite	- 0
COME214	Programming Languages	3	0	0	3	5		E
COME306	Digital Signal Processing	3	0	0	3	5		E
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		A
COME312	User Interface Design	3	0	0	3	5		A
COME313	Mathematical Modelling	3	0	0	3	5		F
COME314	Introduction to Control Systems	3	0	0	3	5		F
COME317	Intelligent Robotics	2	0	2	3	5		0
COME318	Computer Graphics	3	0	0	3	5		0
COME319	Mobile Programming	2	0	2	3	5		F
COME324	Visual Programming	2	0	2	3	5		F
COME401	Data Mining	3	0	0	3	5		J
COME402	Artificial Neural Networks	3	0	0	3	5		J
COME403	Software Engineering	3	0	0	3	5		
COME404	Fuzzy Controllers	3	0	0	3	5		ľ
COME405	Artificial Intelligence	3	0	0	3	5		_
COME406	Parallel Computing	3	0	0	3	5		١١,
COME407	Image Processing	3	0	0	3	5		ШΙ.
COME408	Network Security	3	0	0	3	5		IJL
COME409	Automata Theory	3	0	0	3	5		
COME410	Systems Programming	3	0	0	3	5		コГ
COME411	System Analysis and Design	3	0	0	3	5		11
COME412	Embedded Systems	3	0	0	3	5		ПΕ
COME414	Optimization Techniques	3	0	0	3	5]
COME416	Compiler Design	3	0	0	3	5		11
COME418	Natural Language Processing	3	0	0	3	5		٦l
COME420	Biomedical and Laboratory Instrumentation	3	0	0	3	5		71
COME422	Introduction to Brain Computer Interfaces	3	0	0	3	5		٦l
COMF424	Recommender Systems	3	0	0	3	5		-1

		Elective Foreign Lang	guages				
Code	Course Name	T	P	L	С	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 Cou	rses				
For Field Elect	ive courses, any departmental elective	course having appropriate cr Sciences can be ele		other depa	ertments o	f Faculty of E	ngineering and Nati

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