



I. Semester							II. Semester										
Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.	Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.		
1400111001	Calculus I	4	0	4	6	Z		1400121002	Calculus II	4	0	4	6	Z			
1400111009	Programming I	1	4	3	3	Z		1400111009	Programming II	1	4	3	3	Z			
1400111005	Physics I	3	2	4	5	Z		1400121006	Physics II	3	2	4	5	Z			
1400111007	Chemistry	2	2	3	5	Z		1400121008	Discrete Mathematics	3	0	3	5	Z			
1400111011	Introduction to Engineering and Ethics	2	0	2	3	Z		1400121010	Linear Algebra	2	0	2	5	Z			
5010111015	Türk Dili	4	0	4	4	Z		5010111012	Almanca II	2	0	2	2	Z			
5010111005	Kariyer Planlama	1	0	1	2	Z		5010111002	Atatürk İlkeleri ve İnkılap Tarihi	4	0	4	4	Z			
5010111011	Almanca I	2	0	2	2	Z											
TOTAL							23	30	TOTAL							22	30
III. Semester							IV. Semester										
Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.	Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.		
1400211013	Probability and Statistics	3	0	3	6	Z		1400221012	Occupational Safety and Health	2	0	2	2	Z			
1400211015	Differential Equations	3	0	3	6	Z		1400221030	Numerical Methods	2	2	3	7	Z			
1400211025	Data Structures	2	2	3	7	Z		1400221022	Signals and Systems	3	0	3	6	Z			
1400211019	Electrical Circuits	3	2	4	6	Z		1400221024	Microprocessors	2	2	3	6	Z			
1400211021	Digital Design	2	2	3	5	Z		1400221026	Design and Analysis of Algorithms	3	0	3	6	Z			
								1415221018	Summer Training I	0	0	0	3	Z			
TOTAL							15	30	TOTAL							14	30
V. Semester							VI. Semester										
Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.	Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.		
1400311009	Programming Languages	2	2	3	5	Z			University Elective	2	0	2	3	S			
1400311011	Operating Systems	2	2	3	5	Z		1400221020	Entrepreneurship	2	0	2	3	Z			
1400311005	Database Systems	3	0	3	6	Z		1400321006	System Programming	3	0	3	4	Z			
1415311001	Computer Organization and Architecture	3	0	3	4	Z		1400321008	Computer Networks	3	0	3	4	Z			
	Department Elective	3	0	3	5	S		1415321010	Summer Training II	0	0	0	3	Z			
	Department Elective	3	0	3	5	S			Department Elective	3	0	3	5	S			
									University Elective	2	0	2	3	S			
									Department Elective	3	0	3	5	S			
TOTAL							18	30	TOTAL							18	30
VII. Semester							VIII. Semester										
Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.	Course Code	Course Title	T	P	Cr.	ECTS	Type	Prereq.		
1400411001	Interdisciplinary Design Studies	2	0	2	6	Z		1415321006	Software Engineering	3	0	3	4	Z			
	Department Elective	3	0	3	5	S		1415421003	Graduation Project II	0	0	0	5	Z			
1415411005	Graduation Project I	0	0	0	6	Z			Department Elective	3	0	3	5	S			
1415411009	Embedded System Design	2	2	3	5	Z			Department Elective	3	0	3	5	S			
	University Elective	2	0	2	3	S			University Elective	2	0	2	3	S			
	Department Elective	3	0	3	5	S			Department Elective	3	0	3	5	S			
									University Elective	2	0	2	3	S			
TOTAL							13	30	TOTAL							16	30
Total Credit/Hours				139													
Total ECTS				240													

DEPARTMENTAL ELECTIVES						
Course Code	Course Title	T	P	Cr.	ECTS	Elective
Departmental Electives						
1415002002	Compiler Design	3	0	3	5	S
1415002003	Deep Learning	3	0	3	5	S
1415002004	Artificial Intelligence	3	0	3	5	S
1415002005	Introduction to Robotics	3	0	3	5	S
1415002007	Introduction to Machine Learning	3	0	3	5	S
1415002009	Natural Language Processing	3	0	3	5	S
1415002010	Software Design and Architecture	3	0	3	5	S
1415002012	Mobile Application Development	3	0	3	5	S
1415002013	Data Mining	3	0	3	5	S
1415002017	Object Oriented Design	3	0	3	5	S
1415002018	Machine Vision	3	0	3	5	S
1415002020	Geographic Information Systems	3	0	3	5	S
1415002022	Autonomous Systems	3	0	3	5	S
1415002024	Cloud Computing and Big Data Analytics	3	0	3	5	S
1415002025	Image processing	3	0	3	5	S
1415002026	Real-Time Programming	3	0	3	5	S
1415002027	Game Programming	3	0	3	5	S
1415002030	Artificial neural networks	3	0	3	5	S
1415002031	Computer Security	3	0	3	5	S
1415002032	Wireless Network Technologies and Applications	3	0	3	5	S
1415002033	High Performance Computing	3	0	3	5	S
1415002034	Digital Whole Circuit Design	3	0	3	5	S
1415002035	Introduction to Coding Theory	3	0	3	5	S
1415002036	Web Programming	3	0	3	5	S
1415002037	Cryptography	3	0	3	5	S
1415002038	Generative Artificial Intelligence	3	0	3	5	S
1415002039	Deep Learning for Computer Vision	3	0	3	5	S
1415002040	Deep Learning for Natural Language Processing	3	0	3	5	S

Not: Üniversite seçmeli ders havuzu doğal ekidir.