

1.YEAR 1. SEMESTER

Code	Course Title	Theory	App.	Lab.	Credit	AKTS
0507101	Calculus I	4	0	0	4	6
0507102	Physics I	4	0	0	4	6
0507103	Foreign Language I	2	0	0	2	2
0507104	Turkish Language I	2	0	0	2	2
0507105	Atatürk's Principles and the History of the Turkish Renovation	2	0	0	2	2
0507106	Computer Programming I	2	0	2	3	5
0507107	Lineer Algebra	3	0	0	3	5
0507108	Introduction to Electrical-Electronics Engineering	2	0	0	2	2
	Total	21	0	2	22	30

1. YEAR 2. SEMESTER

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507201	Calculus II	4	0	0	4	6
0507202	Physics II	4	0	0	4	6
0507203	Foreign Language II	2	0	0	2	2
0507204	Turkish Language II	2	0	0	2	2
0507205	Atatürk's Principles and the History of the Turkish Renovation II	2	0	0	2	2
0507206	Computer Programming II	2	0	2	3	5
0507207	Numerical Analysis	3	0	0	3	4
0507208	Material Chemistry	2	0	0	2	3
	Total	21	0	2	22	30

2.YEAR 3.SEMESTER

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507301	Engineering Mathematics	3	0	0	3	6
0507302	Differential Equations	3	0	0	3	6
0507303	Electric Circuits I	4	0	0	4	6
0507304	Electrical Circuit and Design Lab. I	0	0	2	1	2
0507305	Digital Logic Circuits	3	0	0	3	4
0507306	Digital Logic Circuits Design Lab.	0	0	2	1	2
0507307	Economy	2	0	0	2	2
	Social Selective I	2	0	0	2	2
	Total	17	0	4	19	30

Social Selective I

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507308	Occupational Health and Safety	2	0	0	2	2
0507309	Business Law	2	0	0	2	2
0507310	History of Science	2	0	0	2	2
0507311	History of Art	2	0	0	2	2
0507312	Self Improvement	2	0	0	2	2
0507313	Science of Business	2	0	0	2	2
0507314	Engineering Ethics	2	0	0	2	2
0507315	Vocational English	2	0	0	2	2

2. YEAR 4.SEMESTER

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507401	Electrical Circuits II	4	0	0	4	6
0507402	Electronic Circuits I	4	0	0	4	6
0507403	Electronic Circuits Design Lab. I	0	0	2	1	2
0507404	Electromagnetic Wave Theory	4	0	0	4	5
0507405	Probability and Statistics	3	0	0	3	5
0507406	Signals and Systems	3	0	0	3	6
	Total	18	0	2	19	30

3.YEAR 5.SEMESTER

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507501	Electronic Circuits II	4	0	0	4	6
0507502	Electronik Circuits Design Lab. II	0	0	2	1	2
0507503	Electric Machinery I	3	0	0	3	5
0507504	Electric Machinery and Design Lab. I	0	0	2	1	2
0507505	Automatic Control Systems	4	0	0	4	6
0507506	Communication I	3	0	0	3	5
0507507	Communication Lab.	0	0	2	1	2
0507508	Design Methods in Engineering	2	2	0	2	2
	Total	16	0	6	19	30

3.YEAR 6.SEMESTER

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507601	Electric Machinery II	3	0	0	3	5
0507602	Electric Machinery and Design Lab. II	0	0	2	1	2
0507603	Microprocessors	4	0	0	4	6
0507604	Microprocessors and Design Lab.	0	0	2	1	2
0507605	Project	1	2	0	2	2
	Vocational Selective I	3	0	0	3	5
	Vocational Selective I	3	0	0	3	5
	Vocational Selective II	2	0	0	2	2
	Total	16	2	4	19	30

Vocational Selective I

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507617	Electrical Facilities	3	0	0	3	5
0507618	Power Electronics	3	0	0	3	5
0507619	D igital Electronics Circuits	3	0	0	3	5
0507620	Microelectronic Circuits	3	0	0	3	5
0507621	D igital Communication Systems	3	0	0	3	5
0507622	Electromagnetic Waves	3	0	0	3	5

Vocational Selective II

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507606	Photography	2	0	0	2	3
0507607	F ine Arts	2	0	0	2	3
0507608	Introduction to Philosophy	2	0	0	2	3
0507609	Sociology	2	0	0	2	3
0507610	Archeology	2	0	0	2	3
0507611	Philosophy of Science	2	0	0	2	3
0507612	Chinese	2	0	0	2	3
0507613	Arabic	2	0	0	2	3
0507614	Italian	2	0	0	2	3
0507615	German	2	0	0	2	3
0507616	English Writing and Speaking	2	0	0	2	3

4.YEAR 7.SEMESTER

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507701	Graduation Project	0	4	0	2	5
	Vocational Selective II	3	0	0	3	5
	Vocational Selective II	3	0	0	3	5
	Vocational Selective II	3	0	0	3	5
	Vocational Selective II	3	0	0	3	5
	Vocational Selective II	3	0	0	3	5
	T otal	15	4	0	17	30

Vocational Selective II

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507702	Special Topics in Electrical-Electronics Engineering I	3	0	0	3	5
0507703	Linear System Theory	3	0	0	3	5
0507704	Data Structures	3	0	0	3	5
0507705	Object Oriented Programming	3	0	0	3	5
0507706	Computer Operating Systems	3	0	0	3	5
0507707	Web Design	3	0	0	3	5
0507708	Microwave Electronics	3	0	0	3	5
0507709	Analog Filter Design	3	0	0	3	5
0507710	Electronic Circuit Design	3	0	0	3	5
0507711	Analog Integrated Circuit Design	3	0	0	3	5
0507712	Digital Filter Design	3	0	0	3	5
0507713	Modern Measurement Technique	3	0	0	3	5
0507714	Radio Communication	3	0	0	3	5
0507715	Microwave	3	0	0	3	5
0507716	Data Communication	3	0	0	3	5
0507717	Antennas	3	0	0	3	5
0507718	PLC (Programmable Logic Controllers)	3	0	0	3	5
0507719	Microcontrollers and Industrial Applications	3	0	0	3	5
0507720	Introduction to Robotics	3	0	0	3	5
0507721	Industrial Electronics	3	0	0	3	5
0507722	Digital Control Systems	3	0	0	3	5
0507723	Lighting and Indoor Installation	3	0	0	3	5
0507724	High Voltage Technique	3	0	0	3	5
0507725	Power System Analysis	3	0	0	3	5
0507726	Photovoltaic Systems	3	0	0	3	5
0507727	Semiconductor Power Converters	3	0	0	3	5

4. YEAR 8.SEMESTER

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507801	Graduation Project II	0	4	0	2	5
	Vocational Selective III	3	0	0	3	5
	Vocational Selective III	3	0	0	3	5
	Vocational Selective III	3	0	0	3	5
	Vocational Selective III	3	0	0	3	5
	Vocational Selective III	3	0	0	3	5
	Total		15	4	0	17

Vocational Selective III

Code	Course Title	Theory	App.	Lab.	Credits	AKTS
0507802	Special Topics in Electrical-Electronics Engineering II	3	0	0	3	5
0507803	Computer Networks	3	0	0	3	5
0507804	Fuzzy Logic	3	0	0	3	5
0507805	Artificial Neural Networks	3	0	0	3	5
0507806	Image Processing	3	0	0	3	5
0507807	Foundations of Biomedical Engineering	3	0	0	3	5
0507808	Digital System Design Laboratory	3	0	0	3	5
0507809	Microcontrollers	3	0	0	3	5
0507810	Optic Communication	3	0	0	3	5
0507811	Smart Control Systems	3	0	0	3	5
0507812	Engineering Applications for Control Engineering	3	0	0	3	5
0507813	Design of Power Electronic Circuits	3	0	0	3	5
0507814	Foundations of Mechatronic Engineering	3	0	0	3	5
0507815	Power System Analysis	3	0	0	3	5
0507816	Energy Distribution	3	0	0	3	5
0507817	Electrical Facilities Project	3	0	0	3	5
0507818	Renewable Energy Systems	3	0	0	3	5
0507819	Safety on Electrical Facilities	3	0	0	3	5
0507820	Protection Techniques on Electrical Facilities	3	0	0	3	5
0507821	Building Automation	3	0	0	3	5