

**Samsun University Faculty of Engineering Electrical and Electronics Engineering Department
Curriculum**

CODE	1st Period	T	U	K	A	CODE	2nd Period	T	U	K	A
OFI2101	Physics I	3	0	3	4	OFI2102	Physics II	3	0	3	4
OKIM101	Chemistry	3	0	3	3	OMAT102	Mathematics II	3	2	4	5
OMAT101	Mathematics I	3	2	4	5	TDI102	Turkish Language II	2	0	2	2
TDI101	Turkish Language I	2	0	2	2	YDI102	Foreign Language II	2	0	2	2
YDI101	Foreign Language I	2	0	2	2	AT1102	Ataturk's Principles and History of Turkish Revolution II	2	0	2	2
ATI101	Ataturk's Principles and History of Turkish Revolution I	2	0	2	2	GIR102	Entrepreneurship	2	0	2	2
MELK101	Circuit Analysis I	3	2	4	8	MELK102	Circuit Analysis II	3	2	4	8
MELK103	Introduction to Electrical and Electronics Engineering	2	0	2	4	MELK104	Electronic Material Information	2	0	2	5
Total		20	0	22	30	Total		19	4	21	30
CODE	3rd Period	T	U	K	A	CODE	4th Period	T	U	K	A
OMAT203	Linear Algebra	3	0	3	4	OYDI202	Academic English II	2	0	2	3
OBDE201	The Nature of Science and Critical Thinking	2	0	2	2	OMAT204	Differential Equations	4	0	4	6
OYDI201	Academic English I	2	0	2	3	MELK202	Electronics II	3	2	4	6
MELK201	Electronics I	3	2	4	8	MELK204	Logic Circuits	3	2	4	6
MELK203	Instrumentation and Measurement	2	0	2	5	MELK206	Electromagnetic Fields	2	0	2	3
MELK205	Sensors and Transducers	2	0	2	4	MELK208	Visual Programming	1	2	2	3
MELK207	Computer Programming	1	2	2	4	MELK210	Probability and Statistics	2	0	2	3
Total		15	4	17	30	MELK200	Internship I	0	0	0	8
						Total		17	6	20	38
CODE	5th Period	T	U	K	A	CODE	6th Period	T	U	K	A
OYDI301	Academic English III	2	0	2	3	OYDI302	Academic English IV	2	0	2	3
OMAT301	Numerical Methods	3	0	3	4	MELK302	Electric Machines	3	2	4	7
MELK301	Control Systems	3	2	4	7	MELK304	Communication Systems	3	2	4	7
MELK303	Microprocessors Microcontrollers	3	2	4	7	MELK306	Electric Energy Systems	2	0	2	4
MELK305	Signalling Systems	3	0	3	4	MELK308	High Voltage Technique	2	0	2	4
MELK3XX	Vocational Elective I	3	0	3	5	MELK3XX	Vocational Elective I	3	0	3	5
	University Common Elective Course*					MELK300	Internship II	0	0	0	10
Total		17	4	19	30	Total		15	4	17	40
CODE	5th Term Vocational Electives	T	U	K	A	CODE	6th Term Vocational Electives	T	U	K	A
MELK351	Electricity Plants	3	0	3	5	MELK352	Electricity Transmission and Distribution Systems	3	0	3	5
MELK353	Power Electronics	3	0	3	5	MELK354	Numerical Control Systems	3	0	3	5
MELK355	Digital Electronics	3	0	3	5	MELK356	Fuzzy Logic	3	0	3	5
MELK357	Electromagnetic Waves	3	0	3	5	MELK358	Microwaves	3	0	3	5
MELK359	Electronic Circuit Design	3	0	3	5	MELK360	Advanced Microcontrollers	3	0	3	5
MELK361	Industrial Electronics	3	0	3	5	MELK362	Optoelectronics	3	0	3	5
						MELK364	Differential Equations II	3	0	3	5
CODE	7th Period	T	U	K	A	CODE	8th Period	T	U	K	A
MELK4xx	Vocational Elective I	3	0	3	6	MELK402	Graduation Project	0	4	2	6
MELK4XX	Vocational Elective II	3	0	3	6	MELK4xx	Vocational Elective I	3	0	3	6
MELK4XX	Vocational Elective III	3	0	3	6	MELK4XX	Vocational Elective II	3	0	3	6
MELK4XX	Vocational Elective IV	3	0	3	6	MELK4XX	Vocational Elective III	3	0	3	6
MELK4XX	Vocational Elective V	3	0	3	6	MELK4XX	Vocational Elective IV	3	0	3	6
Total		15	0	15	30	Total		12	4	14	30
OR											
MELK401	Vocational Training in Business	15	0	15	30						
Total		15	0	15	30						
CODE	7th Term Vocational Electives	T	U	K	A	CODE	8th Term Vocational Electives	T	U	K	A
MELK423	Electricity Protection	3	0	3	6	MELK424	System Protection	3	0	3	6
MELK425	Special Electric Machines	3	0	3	6	MELK426	Industrial Electrical Machines	3	0	3	6
MELK427	Electronic Applications	3	0	3	6	MELK428	Advanced Electronic Applications	3	0	3	6
MELK429	Machine Learning	3	0	3	6	MELK430	Artificial Intelligence	3	0	3	6
MELK431	Unmanned vehicles	3	0	3	6	MELK432	Unmanned Aerial Vehicles	3	0	3	6
MELK433	Real Time Control	3	0	3	6	MELK434	Control Applications with Microcontroller	3	0	3	6
MELK435	Digital Signal Processing	3	0	3	6	MELK436	Digital Signal Controllers and Application	3	0	3	6
MELK437	Embedded Systems	3	0	3	6	MELK438	Embedded System Programming	3	0	3	6
MELK439	Image Processing	3	0	3	6	MELK440	Computer Vision	3	0	3	6
MELK441	System Modelling and Simulation	3	0	3	6	MELK442	Mathematical Modelling and Simulation	3	0	3	6
MELK443	Industrial Automation Systems	3	0	3	6	MELK444	Automation Systems	3	0	3	6
MELK445	Electric Vehicle Technologies	3	0	3	6	MELK446	Electric Vehicles	3	0	3	6
MELK447	Robotics	3	0	3	6	MELK448	Robot Systems	3	0	3	6
MELK449	Feedback Control Systems	3	0	3	6	MELK450	Control Applications	3	0	3	6
MELK451	Mobile Communications	3	0	3	6	MELK452	Wireless Communication	3	0	3	6
MELK453	Satellite Communications	3	0	3	6	MELK454	Satellite Systems	3	0	3	6
MELK455	Computer Aided Engineering Mathematics	3	0	3	6	MELK456	Applied Engineering Mathematics	3	0	3	6
MELK457	Radar Systems	3	0	3	6	MELK458	Radar Technique	3	0	3	6
MELK459	Data Communication	3	0	3	6	MELK460	Industrial Communication Systems	3	0	3	6
MELK461	Drive Systems	3	0	3	6	MELK462	Servo Systems and Drives	3	0	3	6
MELK463	Mobile Robots	3	0	3	6	MELK464	Travelling Robots	3	0	3	6
MELK465	Process Audit	3	0	3	6	MELK466	Control of Nonlinear Systems	3	0	3	6
MELK467	Optimisation Techniques	3	0	3	6	MELK468	Optimisation Techniques	3	0	3	6
MELK469	Programmable Logic Controllers	3	0	3	6	MELK470	Industrial Auditors	3	0	3	6
MELK471	Industrial Robots	3	0	3	6	MELK472	Robot Arms	3	0	3	6
MELK473	Industry 4.0	3	0	3	6	MELK474	Industrial Revolution	3	0	3	6
MELK475	Automotive Electronics	3	0	3	6	MELK476	Vehicle Electronics	3	0	3	6
MELK477	Lighting Technique	3	0	3	6	MELK478	Interior Installation and Lighting	3	0	3	6
MELK479	Antenna Technique	3	0	3	6	MELK480	Antennas and Propagation	3	0	3	6
MELK481	Renewable Energy Systems	3	0	3	6	MELK482	Renewable Electricity Generation	3	0	3	6
MELK483	Biomedical Instrumentation	3	0	3	6	MELK484	Biomedical Devices	3	0	3	6
MELK485	System Maintenance and Troubleshooting	3	0	3	6	MELK486	System Fault Detection and Diagnosis	3	0	3	6