

**USKUDAR UNIVERSITY**  
**MASTER OF SCIENCE PROGRAM (WITH THESIS)**  
**IN ELECTRICAL-ELECTRONICS ENGINEERING**

First Term						
Code	Course Name	Mandatory / Elective	T	P	C	ECTS
EEE 500	Research Methods and Scientific Ethics	Mandatory	3	0	3	6
	Elective - I	Elective	3	0	3	8
	Elective - II	Elective	3	0	3	8
	Elective - III	Elective	3	0	3	8
	Elective - IV	Elective	3	0	3	8
<b>Total</b>			<b>15</b>	<b>0</b>	<b>15</b>	<b>38</b>
Second Term						
Code	Course Name	Mandatory / Elective	T	P	C	ECTS
EEE 590	Graduate Seminar	Mandatory	0	0	0	6
	Elective - V	Elective	3	0	3	8
	Elective - VI	Elective	3	0	3	8
	Elective - VII	Elective	3	0	3	8
<b>Total</b>			<b>9</b>	<b>0</b>	<b>9</b>	<b>30</b>
Third Term						
Code	Course Name	Mandatory / Elective	T	P	C	ECTS
EEE 595	M.S. Thesis	Mandatory	0	0	0	30
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>
Fourth Term						
Code	Course Name	Mandatory / Elective	T	P	C	ECTS
EEE 595	M.S. Thesis	Mandatory	0	0	0	30
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>

<b>TOTAL FOR GRADUATION</b>					<b>24</b>	<b>128</b>
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Elective Courses						
Code	Course Name	Mandatory / Elective	T	P	C	ECTS
EEE 501	Advanced Scientific Computing	Elective	3	0	3	8
EEE 502	Linear System Theory	Elective	3	0	3	8
EEE 503	Nonlinear System Analysis	Elective	3	0	3	8
EEE 504	Random Processes	Elective	3	0	3	8
EEE 505	Digital Communications	Elective	3	0	3	8
EEE 506	Wireless Communications	Elective	3	0	3	8
EEE 507	Digital Signal Processing	Elective	3	0	3	8
EEE 508	Digital Image Processing	Elective	3	0	3	8
EEE 509	Medical Imaging Systems	Elective	3	0	3	8
EEE 510	Computational Electromagnetics	Elective	3	0	3	8

EEE 511	Electromagnetic Compatibility	Elective	3	0	3	8
EEE 512	Advanced Wave Propagation and Modeling	Elective	3	0	3	8
EEE 513	Computer Networks	Elective	3	0	3	8
EEE 514	Data Compression	Elective	3	0	3	8
EEE 515	Digital Image Forensics	Elective	3	0	3	8
EEE 516	Bio-electromagnetic Interaction and Dosimetry	Elective	3	0	3	8
EEE 517	Electromagnetic Fields in Working Environments and Measurement Techniques	Elective	3	0	3	8
EEE 518	Microwave Engineering and Application	Elective	3	0	3	8
EEE 519	Remote Sensing	Elective	3	0	3	8
EEE 520	The Effects of Electromagnetic Fields on Human Health	Elective	3	0	3	8
EEE 580-589	Selected Topics	Elective	3	0	3	8
EEE 581	Digital System Design with FPGAs	Elective	3	0	3	8
EEE 582	VLSI Design	Elective	3	0	3	8