

1	EEM411	ELECTRIC POWER GENERATION AND RENEWABLE ENERGY	Compulsory	3	0	2	4	5.00	Toplam 0 40 0 20.00 30.00				
2	EEM409	HIGH VOLTAGE TECHNIQUES	Compulsory	3	2	0	4	5.00					
3	EEM491	EE ENGINEERING PROJECT	Compulsory	0	6	0	3	4.00					
4	SEC407	EEM ELECTIVE COURSES (SEC407) - 1		3	0	0	3	4.00					
5	SEC407	EEM ELECTIVE COURSES (SEC407) - 2		3	0	0	3	4.00					
6	SEC407	EEM ELECTIVE COURSES (SEC407) - 3		3	0	0	3	4.00					
7	SEC407	EEM ELECTIVE COURSES (SEC407) - 4		3	0	0	3	4.00					
Toplam				18	8	2	23.00	30.00					

EEM ELECTIVE COURSES (SEC203)									EEM ELECTIVE COURSES (SEC204)								
#	Course Code	Course Name	Type	T	U	L	K	ECTS	#	Course Code	Course Name	Type	T	U	L	K	ECTS
1	EEM208		Optional	3	0	0	3	3.00	1	EEM206	SEMICONDUCTORS	Optional	3	0	0	3	4.00
2	EEM213		Optional	2	2	0	3	3.00	2	EEM210	COMPUTER AIDED CIRCUIT ANALYSIS	Optional	3	2	0	3	4.00
									3	EEM234	OPTIMIZATION METHODS	Optional	3	0	0	3	4.00

EEE ELECTIVE COURSES (SEC305)									EEM ELECTIVE COURSES OUTSIDE THE FIELD (ADD305)								
#	Course Code	Course Name	Type	T	U	L	K	ECTS	#	Course Code	Course Name	Type	T	U	L	K	ECTS
1	EEM317	MATLAB PROGRAMMING	Optional	3	0	0	3	4.00	1	PSY101	INTRODUCTION TO PSYCHOLOGY I	Optional	3	0	0	3	4.00
2	MAT313	ENGINEERING STATISTICS	Optional	3	0	0	3	4.00	2	İŞD101	TURKISH SIGN LANGUAGE	Optional	3	0	0	3	4.00
3	EEM329	ORGANIC ELECTRONICS	Optional	3	0	0	3	4.00	3	ENM459		Optional	3	0	0	3	4.00
4	EEM331	POWER SYSTEMS I	Optional	3	0	0	3	4.00	4	ENM353		Optional	3	0	0	3	4.00
5	EEM323	C/C++ PROGRAMMING LANGUAGE	Optional	3	0	0	3	4.00	5	ENM307		Optional	3	0	0	3	4.00
6	EEM305	MICROPROCESSORS	Optional	2	2	0	3	4.00	6	ADD-CSE215		Optional	2	2	0	3	4.00
7	EEM345		Optional	3	0	0	3	4.00	7	ADD-CSE309		Optional	2	2	0	3	4.00
8	EEM333	PROGRAMMABLE LOGIC CONTROLLERS	Optional	2	2	0	3	4.00	8	SWE421	BIG DATA APPLICATIONS	Optional	3	0	0	3	4.00
9	EEM335	MICROCONTROLLERS	Optional	2	2	0	3	4.00									
10	EEM315	MEDICAL IMAGING	Optional	3	0	0	3	4.00									

EEM ELECTIVE COURSES (SEC306)									EEM ELECTIVE COURSES OUTSIDE THE MAJOR								
#	Course Code	Course Name	Type	T	U	L	K	ECTS	#	Course Code	Course Name	Type	T	U	L	K	ECTS
1	EEM326	ELECTRICAL-ELECTRONICS MEASUREMENT AND INSTRUMENTATION	Optional	3	0	0	3	4.00	1	ADD-CVE330	INNOVATIVE LEADERSHIP	Optional	3	0	0	3	4.00
2	EEM328	COMMUNICATION THEORY	Optional	3	0	0	3	4.00	2	ENM320		Optional	3	0	0	3	4.00
3	EEM324	COMPUTER AIDED ELECTRICAL INSTALLATION	Optional	3	0	0	3	4.00	3	ENM324		Optional	3	0	0	3	4.00
4	EEM312	NANOTECHNOLOGY	Optional	3	0	0	3	4.00	4	ENM332		Optional	3	0	0	3	4.00
5	EEM332	POWER ELECTRONICS	Optional	3	0	0	3	4.00	5	ADD-EEM326		Optional	3	0	0	3	4.00
6	EEM320	POWER SYSTEMS II	Optional	3	0	0	3	4.00	6	ADD-EEM306		Optional	3	0	0	3	4.00
7	ING302	ENGLISH VI	Optional	3	0	0	3	4.00	7	ADD-EEM316		Optional	3	0	0	3	4.00
8	EEM334		Optional	3	0	0	3	4.00	8	ADD-EEM336		Optional	3	0	0	3	4.00
9	EEM330		Optional	3	0	0	3	4.00									
10	EEM316	UTILIZATION OF ELECTRICAL ENERGY	Optional	3	0	0	3	4.00									

EEM ELECTIVE COURSES (SEC407)								
#	Course Code	Course Name	Type	T	U	L	K	ECTS
1	EEM451	PROFESSIONAL ENGINEERING DEVELOPMENT	Optional	3	0	0	3	4.00
2	EEM413	OPTOELECTRONICS	Optional	3	0	0	3	4.00
3	EEM419	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Optional	3	0	0	3	4.00
4	EEM421	SECURITY OF INFORMATION SYSTEMS	Optional	3	0	0	3	4.00

5	EKO401	ENGINEERING ECONOMICS	Optional	3	0	0	3	4.00
6	SWE401	MOBILE PROGRAMMING	Optional	2	2	0	3	4.00
7	EEM407		Optional	3	0	0	3	4.00
8	EEM417		Optional	3	0	0	3	4.00
9	EEM427		Optional	3	0	0	3	4.00
10	EEM447		Optional	3	0	0	3	4.00
11	EEM437		Optional	3	0	0	3	4.00
12	EEM457		Optional	3	0	0	3	4.00
13	EEM467		Optional	3	0	0	3	4.00
14	EEM477		Optional	3	0	0	3	4.00