

INSTITUTE OF SCIENCE AND ENGINEERING AUTOMOTIVE MECHATRONICS AND INTELLIGENT VEHICLES M.Sc. (WITH THESIS) GRADUATE PROGRAM CURRICULUM

Semeste						
Code	Course Title	Т	Α	С	ECTS	Status
	Program Elective	3	0	3	10	Elective
	Program Elective	3	0	3	10	Elective
	Program Elective	3	0	3	10	Elective
	Program Elective	3	0	3	10	Elective
		Total	Credit	12	40	

Code	Course Title	т	Α	С	ECTS	Status
AUTO570	Seminar	0	0	0	10	Compulsor
	Program Elective	3	0	3	10	Elective
	Program Elective	3	0	3	10	Elective
	Program Elective	3	0	3	10	Elective
	1	Total	Credit	9	40	

Semester 3

Code	Course Title	Т	Α	С	ECTS	Status
AUTO571	M.Sc. Thesis	0	0	0	40	Compulsory
		Tota	l Credit	0	40	

Code	Course Title	Т	Α	С	ECTS	Status

Code	Course Title	Т	Α	С	ECTS	Status
Jour	course rule		А	C	ECIS	Status
		Total	Credit			
					-	
	TOTAL CREDIT		21			
	TOTAL ECTS		120		1	

Code	Course Title	Т	Α	С	ECTS	Status
		Total	Credit			

Semester	r 6					
Code	Course Title	Т	Α	С	ECTS	Status
		Total	Credit			

Code	Course Title	Т	Α	С	ECTS	Status
		Total	Credit			

Abbreviations: T=Weekly hours: Theoretical; A=Weekly hours: application; C=Credits in Turkish System; ECTS=European Credit Transfer System

ELECTIVE COURSES Semester 2

Code	Course Title	Т	Α	С	ECTS	Status
	SECOND FOREIG	N LAN	GUAGI	£		
	DEPARTMENTA	L ELE	CTIVE			
AUTO523	Advanced Vehicle Dynamics	3	0	3	10	Elective
					10	
AUTO529	Advanced Internal Combustion Engines	3	0	3	10	Elective
AUTO527	Automotive Electrics and Electronics	3	0	3	10	Elective
MCHT623	Mechatronic Systems Design	3	0	3	10	Elective
					10	
AUTO525	Intelligent Automotive Production	3	0	3	10	Elective
	Advanced Topics in Engineering				10	
AUTO521	Mathematics	3	0	3	10	Elective
MCHT627	Advanced Thermodynamics	3	0	3	10	Elective
MCHT629	Advanced Fluid Mechanics	3	0	3	10	Elective
EEE527	Advanced Electric Drives	3	0	3	10	Elective
EEE523	Clean Energy Technology and Energy	3	0	3	10	Elective
EEEJ23	Storage Systems		0		10	Elective
EEE525	Advanced Power Electronics	3	0	3	10	Elective
EEE631	Advanced Electrical Distribution System	3	0	3	10	Elective
	FACULTY E	LECTI	VE			
	UNIVERSITY	ELECT	IVE			
					1 -	I

Code	Course Title	Т	Α	С	ECTS	Status
	SECON	D FOREIGN LAN	GUAGI	£		
			1			
	DEPA	RTMENTAL ELF	CTIVE			
	DEIA				1	1
	-		1		1	
	E	CULTY ELECTI	N/F			I
	FA	CULII ELECII	VE		1	1
			-			
	-					
	UNI	VERSITY ELEC	TIVE			r
	1					

Code	Course Title	Т	Α	С	ECTS	Status
	SECON	D FOREIGN LAN	GUAG	E		
	DEPAI	RTMENTAL ELE	CTIVE			
	FA	CULTY ELECTI	VE			
	UNI	VERSITY ELECT	TIVE			

Semester 7

Code	Course Title	Т	Α	С	ECTS	Status			
SECOND FOREIGN LANGUAGE									
	DEPARTMENTAL ELECTIVE								
	FACULTY ELECTIVE								

Code	Course Title	Т	Α	С	ECTS	Status
	SECOND FOREIG	N LAN	GUAGI	£		
	DEPARTMENTA	L ELE	CTIVE			
AUTO524	Vehicle Dynamics Control	3	0	3	10	Elective
MCHT626	Theory and Design of Advanced				10	
MCH1626	Control Systems	3	0	3	10	Elective
AUTO526	Autonomous Vehicles	3	0	3	10	Elective
EEE524	Electric and Hybrid Electric Vehicles	3	0	3	10	Elective
	DSP-Based Electromechanical				10	
EEE526	Motion Control	2	2	3	10	Elective
EEE522	Harmonics Analysis and Partial	3		3	10	
	Differantial Equations		0			Elective
AUTO528	Vehicle Perception in ROS	3	0	3	10	Elective
	venicie i creeption in reob	2	0	2		Licente
	FACULTY EI	FCTP	/F			
	TACOLITE	JLC II				
	UNIVERSITY I	I FI FCT	IVE			I
	UNIVERSITT	SLISUI	1 1 12		1	r
					+	
					+	

Code	Course Title	т	Α	С	ECTS	Status
	SECOND	FOREIGN LAN	GUAG	£		
	DEPAR	TMENTAL ELE	CTIVE			
	FA	CULTY ELECTI	VE			-
	UNIV	ERSITY ELECT	IVE			•

Code	Course Title	Т	Α	С	ECTS	Status
	SECOND	FOREIGN LAN	GUAGI	£		
	DEPAR	TMENTAL ELE	CTIVE			
	FAG	CULTY ELECT	VE			
	UNIV	ERSITY ELECT	IVE			
					1	
					1	
					1	

 Semester 8
 T
 A
 C
 ECTS
 Status

 SECOND FOREIGN LANGUAGE

 DEPARTMENTAL ELECTIVE

 DEPARTMENTAL ELECTIVE

 FACULTY ELECTIVE

UNIVERSITY ELECTIVE							

UNIVERSITY ELECTIVE						