

**ATILIM UNIVERSITY DEPARTMENT OF MECHATRONICS ENGINEERING
DOUBLE MAJOR PROGRAM FOR ELECTRICAL & ELECTRONICS ENGINEERING**

FIRST YEAR; I. Semester			
Code for MECE	Course name MECE / EE	Code for EE	Comments
MATH 157	Extended Calculus I	MATH 157	
PHYS 101	Physics I	PHYS 101	
CHEM 102	Chemistry	CHEM 102	
COMPE 101	Introduction to Computers & Programming	COMPE 101	
E 101	Fundamentals of Engineering	E 101	
ENG 111*	Introduction to Communication Skills	ENG 111*	
ENG 113*	Listening and Note-taking Skills	ENG 113*	
TURK 101	Turkish Language I	TURK 101	
FIRST YEAR; II. Semester			
Code for MECE	Course name MECE / EE	Code for EE	Comments
MATH 158	Extended Calculus II	MATH 158	
PHYS 102	Physics II	PHYS 102	
COMPE 102	Computer Programming	COMPE 102	
MECE 102	Fundamentals of Mechatronics Engineering		
MECE 104	Computer Aided Engineering Drawing		
ENG 104	Communication Skills II	ENG 104	
TURK 102	Turkish Language II	TURK 102	
SECOND YEAR; III. Semester			
Code for MECE	Course name MECE / EE	Code for EE	Comments
MATH 275	Linear Algebra	MATH 275	
MECE 203	Engineering Mechanics I		
MATE 208	Introduction to Materials Engineering		
MECE 211	Circuit Analysis	EE 206	
IE 220	Probability and Statistics / Probability and Random Processes	EE 204	
HIST 101	Princ. of Atatürk & Hist. of Turk. Rev. I	HIST 101	
ENG 211	Communication Skills III	ENG 211	
SECOND YEAR; IV. Semester			
Code for MECE	Course name MECE / EE	Code for EE	Comments
MATH 276	Differential Equations	MATH 276	
MECE 212	Electronic Circuits	EE 201	
MECE 202	Principles of Engineering Design		
MECE 204	Engineering Mechanics II		
MFGE 206	Manufacturing Processes		
HIST 102	Princ. of Atatürk & Hist. of Turk. Rev. I	HIST 102	
ENG 212	Technical Report Writing and Communications	ENG 212	

THIRD YEAR; V. Semester			
Code for MECE	Course name MECE / EE	Code for EE	Comments
MECE 301	Numerical Methods	COMPE 350	
MECE 303	Theory of Machines		
MECE 305	Digital Systems	EE 203	
MECE 307	Signals and Mechatronic Systems	EE 303	
IE 305	Engineering Economic Analysis	IE 305	
NTE	Humanities & Social Sciences Elective	NTE	
MECE 399	Summer Practice I	EE 399 (*)	
THIRD YEAR; VI. Semester			
Code for MECE	Course name MECE / EE	Code for EE	Comments
MECE 302	Mechatronic Components		
MECE 304	Mechanical Machine Elements		
MECE 306	Control Systems	MECE 306	
MECE 308	Microcontrollers	EE 208	
MECE 310	Thermodynamics and Heat Transfer		
NTE	Humanities & Social Sciences Elective	NTE	
FOURTH YEAR; VII. Semester			
Code for MECE	Course name MECE / EE	Code for EE	Comments
MECE 401	Mechatronic Design I		
MECE 403	Mechatronic Instrumentation		
MECE 407	Undergraduate Research Project I		
TE	Technical Elective	(*)	
TE	Technical Elective	(*)	
MECE 499	Summer Practice II	EE 499 (*)	
FOURTH YEAR; VIII. Semester			
Code for MECE	Course name MECE / EE	Code for EE	Comments
MECE 402	Mechatronic Design II		
MECE 404	Intelligent Mechatronics		
MECE 408	Undergraduate Research Project II		
TE	Technical Elective	(*)	
TE	Technical Elective	(*)	
ORY 400	Social and Cultural Activities	ORY 400	

(*)

Courses listed in bold fonts should be taken by EE student in addition to their regular EE curriculum.

Technical Electives: Two technical elective courses taken from EE curriculum may be considered as TE in the Mechatronics curriculum.

Summer Practices: Students must register at least one of MECE 399 or MECE 499 and obtain a S grade..

Non Technical Electives: Non-technical electives are the same for both departments.

ENG Courses: Students should register either ENG 111 or ENG 113 according to their performances in the English Qualification Examination.