

Department of Mechatronics Engineering

Undergraduate Curriculum

ATACS Curriculum Name: “MECE-CUR-2016-2017 Güz Dönemi-1”

(valid for students, who enrolled the department before 2020-2021 academic year and after- also including - 2016-2017 academic year)

Course Code	Course Name	Credit	ECTS
1. Semester			
PHYS101	General Physics I	4	6
MECE101	Fundamentals of Engineering	1	3
MATH157	Extended Calculus I	5	7,5
ENG101	English For Academic Purposes I	4	3,5
CEAC105	General Chemistry	4	5
HIST111	Principles of Atatürk and History of Turkish Revolution I	2	2
HIST 221	History of Civilization	3	3
2. Semester			
MATH158	Extended Calculus II	5	7,5
ENG102	English for Academic Purposes II	3	3,5
PHYS102	General Physics II	4	6
HIST112	Principles of Atatürk and History of Turkish Revolution II	2	2
CMPE102	Computer Programming	3	4
MFGE108	Computer Aided Solid Modeling	2	4
MECE102	Fundamentals of Mechatronics Engineering	1	3
3. Semester			
ENG201	English for Academic Purposes III	3	3
ME211	Statics and Strength of Materials	3	6
EE234	Introduction to Electrical Engineering	3	5
EE203	Digital Circuits	3	6
MATH275	Linear Algebra	4	6
MECE-GE2FA1	General Elective	3	4
4. Semester			
MECE206	Product Development	3	5
MECE228	Microcontrollers	3	5
MECE204	Dynamics	3	6
MATH276	Differential Equations	4	6
ENG202	English for Academic Purposes IV	3	3
EE236	Electronic Circuits	3	5
5. Semester			
MECE309	Mechatronic Components	3	4
MECE303	Theory of Machines	3	6
EE303	Signals and Systems	3	7
MATH380	Numerical Methods for Engineers	3	5
IE220	Probability and Statistics	3	5
MECE399	Summer Practice I	0	6
ENG 301	English for Occupational Purposes I	3	3

Course Code	Course Name	Credit	ECTS
6. Semester			
MECE332	Mechatronic Instrumentation	3	5
MECE306	Control Systems	3	6
ME316	Machine Elements	3	7
ENG 302	English for Occupational Purposes II	3	3
MECE-AE3SP1	Area Elective	3	5
MECE-GE3SP1	General Elective	3	4
7. Semester			
MECE401	Mechatronic Design	3	7
MECE405	Modern Control Engineering	3	6
MECE499	Summer Practice II	0	6
TURK401	Turkish Language I	2	2
MECE-AE4FA1	Area Elective	3	5
MECE-AE4FA2	Area Elective	3	5
MECE-AE4FA3	Area Elective	3	5
8. Semester			
MECE432	Mechatronics Engineering Seminars	2	2
MECE422	Multidisciplinary Engineering Design	3	6
MECE408	Undergraduate Research Project	3	6
TURK402	Turkish Language II	2	2
MECE-AE4SP1	Area Elective	3	5
MECE-AE4SP2	Area Elective	3	5
MECE-GE4SP1	General Elective	3	4