

**Prerequisite List of the Department of Mechatronics Engineering (Spring 2010)**

<b>Prerequisite</b>	<b>COURSE</b>		<b>Following Courses</b>
	<b>FIRST YEAR; I. Semester</b>		
None	MATH 157	Extended Calculus I	MATH 158
None	PHYS 101	Physics I	MECE 203
None	CHEM 102	Chemistry	None
None	COMPE 101	Introduction to Computers & Programming	None
None	E 101	Fundamentals of Engineering	None
None	TURK 101	Turkish Language I	TURK 102
Qualifying Examination	ENG ***	***	***
	<b>FIRST YEAR; II. Semester</b>		
Consent of MATH Dept.	MATH 158	Extended Calculus II	None
Consent of PHYS Dept.	PHYS 102	Physics II	MECE 211
Consent of COMPE Dept.	COMPE 102	Computer Programming	None
None	MECE 102	Fundamentals of Mechatronics Engineering	None
None	MECE 104	Computer Aided Engineering Drawing	MECE 202
Consent of TURK Dept.	TURK 102	Turkish Language I	None
	<b>SECOND YEAR; III. Semester</b>		
Consent of MATH Dept	MATH 275	Linear Algebra	MECE 301, MECE 307
PHYS 101 (DD)	MECE 203	Engineering Mechanics I	MECE 204, MECE 304
Consent of the MATE Dept.	MATE 208	Introduction to Engineering Materials	None
PHYS 102 (DD)	MECE 211	Electrical Systems Analysis	MECE 212
Consent of IE Dept.	IE 220	Probability and Statistics	None
None	HIST 101	Principles of Atatürk & History of Turkish Revolution I	None
	<b>SECOND YEAR; IV. Semester</b>		
Consent of MATH Dept.	MATH 276	Differential Equations	MECE 301, MECE 307, MECE 310
MECE 211 (FD)	MECE 212	Electronic Circuits	MECE 308
MECE 104 (DD)	MECE 202	Principles of Engineering Design	None
MECE 203 (FD)	MECE 204	Engineering Mechanics II	MECE 303
Consent of MFGE Dept.	MFGE 206	Manufacturing Processes	None
Consent of HIST Dept.	HIST 102	Principles of Atatürk & History of Turkish Revolution II	None
	<b>THIRD YEAR; V. Semester</b>		
MATH 275 (FD), MATH 276 (FD)	MECE 301	Numerical Methods	None
MECE 204 (FD)	MECE 303	Theory of Machines	None
None	MECE 305	Digital Systems	MECE 308
MATH 275 (FD), MATH 276 (FD)	MECE 307	Signals and Mechatronic Systems	MECE 306
Consent of IE Dept.	IE 305	Engineering Economic Analysis	None
Consent of the Instructor	NTE	Humanities & Social Sciences Elective	None
Consent of the MECE Dept.	MECE 399	Summer Practice I	MECE 499
	<b>THIRD YEAR; VI. Semester</b>		
MECE 212 (FD)	MECE 302	Mechatronic Components	None
MECE 203 (FD)	MECE 304	Mechanical Machine Elements	None
MECE 307 (FD)	MECE 306	Control Systems	None
MECE 212 (FD), MECE 305 (FD)	MECE 308	Microcontrollers	None
MATH 276 (FD)	MECE 310	Thermodynamics and Heat Transfer	None
Consent of the Instructor	NTE	Humanities & Social Sciences Elective	None
	<b>FOURTH YEAR; VII. Semester</b>		
Graduation Status	MECE 401	Mechatronic Design I	MECE 402
Graduation Status	MECE 403	Mechatronic Instrumentation	None
Graduation Status	MECE 407	Undergraduate Research Project I	MECE 408
Consent of the Instructor	TE	Technical Elective	None
Consent of the Instructor	TE	Technical Elective	None
MECE 399	MECE 499	Summer Practice II	None
	<b>FOURTH YEAR; VIII. Semester</b>		
MECE 401 (DD)	MECE 402	Mechatronic Design II	None
None	MECE 404	Intelligent Mechatronics	None
MECE 407 (DD)	MECE 408	Undergraduate Research Project II	None
Consent of the Instructor	TE	Technical Elective	None
Consent of the Instructor	TE	Technical Elective	None
	<b>GRADUATE COURSES</b>		
Consent of the Instructor	MECE 5XX	All Courses	None

A prerequisite course is a course that a student must have at least an "acceptable grade" to register the follower course(s).

Acceptable grades for all of the prerequisite courses are minimum required grades defined for each course.

Acceptable grades may be defined separately for each of the prerequisite courses by the department faculty

Graduation Status is achieved if a student may graduate within three regular terms by registering maximum allowed course load as defined by the university Rules to register ENG \*\*\* courses are defined by the scores of the "Proficiency and Placement Examination" and ENG Department.