

**2A**  
**MECHATRONICS ENGINEERING**

	REF_CODE	COURSE_CODE	COURSE NAME	CR
1	2A710	MENG104	Engineering Graphics	3
2	2A711	EENG112	Introduction to Programming	4
3	2A712	ENGL191	Communication in English - I	3
4	2A713	MATH151	Calculus - I	4
5	2A714	PHYS101	Physics - I	4
6	2A715	MATH163	Discrete Mathematics	3
7	2A720	MECT190	Introduction to Mechatronics Engineering	1
8	2A721	CHEM101	General Chemistry	4
9	2A722	ENGL192	Communication in English - II	3
10	2A723	MATH152	Calculus - II	4
11	2A724	PHYS102	Physics - II	4
12	2A725	HIST280	Atatürk's Principles and History of Turkish Reforms	2
13	2A730	MENG201	Mechanical Workshop Practice	2
14	2A731	MENG286	Material Science	3
15	2A732	INFE221	Electrical Circuits	4
16	2A733	EENG212	Algorithms and Data Structures	4
17	2A734	MENG231	Engineering Mechanics	3
18	2A735	MATH241	Linear Algebra and Ordinary Differential Equations	4
19	2A740	INFE242	Electronics	4
20	2A741	MENG222	Strength of Materials	4
21	2A742	UE01	University Elective - I	3
22	2A743	EENG226	Signals and Systems	4
23	2A744	ENGL201	Communication Skills	3
24	2A750	MECT361	Mechatronics Components and Instrumentation	3
25	2A751	MENG244	Fundamentals of Thermodynamics	3
26	2A752	MENG364	Manufacturing Technology	4
27	2A753	MENG331	Dynamics of Machinery	4
28	2A754	EENG115	Introduction to Logic Design	4
29	2A760	MECT375	Machine Elements	3
30	2A761	MENG303	Principles of CAE	3
31	2A762	EENG320	Control Systems - I	4
32	2A763	EENG410	Microprocessors - I	4
33	2A764	MATH373	Numerical Analysis for Engineers	3
34	2A770	MECT400	Industrial Training	0
35	2A771	MECT410	Introduction to Capstone Design	1
36	2A772	AE01	Area Elective - I	3
37	2A773	AE02	Area Elective - II	3
38	2A774	IENG420	Fundamentals of Engineering Economy	3
39	2A775	MATH322	Probability and Statistical Methods	3
40	2A780	MECT411	Capstone Team Project	3
41	2A781	EENG428	Introduction to Robotics	4
42	2A782	AE03	Area Elective - III	3
43	2A783	UE02	University Elective - II	3
44	2A784	UE03	University Elective - III	3

Total Credit 141