

Major Core Courses (42 Credits)

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
66	101	Mechanical Drawing	1	3	0	3	0	
66	105	Mechanical Skills Workshop	1	3	0	3	0	
66	114	Statics and Strength of Materials	3	3	3	0	0	105/76
66	115	Machine Elements and Vibrations	2	3	1	2	0	114/66
66	116	Machine Elements and Vibrations Lab	1	2	0	2	0	115/66
66	122	Fundamentals of Fluid Mechanics	3	3	3	0	0	113/56
66	126	Measurements and Control Technology	2	3	1	2	0	106/76
66	133	Thermodynamics	2	3	1	2	0	113/56
66	183	Engines Workshop	2	4	0	4	0	105/66
66	220	Fluid Machinery Technology	2	3	1	2	0	122/66
66	222	Fluid Lab	1	2	0	2	0	122/66
66	234	Power Stations Technology	3	3	3	0	0	133/66
66	235	Applied Heat Transfer	3	4	2	2	0	122/66
66	241	Internal Combustion Engines	2	3	1	2	0	133/66
66	286	Fluid Machinery Workshop	2	4	0	4	0	105/66
66	292	Computer Applications	2	4	0	4	0	101/66
66	335	Gas Turbines Technology	2	3	1	2	0	234/66
66	336	Water Treatment and Desalination Technr	2	2	2	0	0	235/66
66	383	Mechanical Maintenance	2	2	2	0	0	286/66
66	399	Field Training	4	16	0	0	16	162/30+25 Major Credits
			42	73	21	36	16	

General Core Courses (18 Credits):

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
30	102	Technical English	3	3	3	0	0	
30	162	Technical Report Writing	3	3	3	0	0	30/102
30	171	Communication Skills	3	3	3	0	0	30/102
30	99	English Language	0	5	5	0	0	
56	113	Basic Physics	3	4	2	2	0	
76	105	Mathematics (1)	3	3	3	0	0	
76	106	Mathematics (2)	3	3	3	0	0	76/105
			18	19	17	2	0	

Total	Cr.	Hrs.
	75	107

Major Elective Courses (6 Credits)

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
63	237	Refrigeration and Air Conditioning	2	3	1	2	0	133/66
63	291	Electricity for Mechanical Engineering	2	3	1	2	0	113/56
66	214	Theory of Machines	2	2	2	0	0	114/66
66	215	Mechanical Vibrations Applications	2	3	1	2	0	114/66
66	287	Projects	2	3	1	2	0	241/66
66	310	Special Topics in Mechanical Engineering	2	2	2	0	0	To be decided
66	324	Hydraulics and Fluid Power	2	3	1	2	0	122/66
66	325	Piping Technology	2	3	1	2	0	122/66
66	331	Renewable Energy Applications	2	2	2	0	0	133/66
66	337	Heat Exchangers Technology	2	3	1	2	0	235/66
66	343	Industrial Pollution	2	2	2	0	0	241/66

General Elective Courses (3 Credits)

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
3	112	Work Ethics and Loyalty	3	3	3	0	0	
7	141	Art Education (1)	1	2	2	0	0	
7	142	Art Education (2)	1	2	2	0	0	07/141
8	110	Physical Education	1	2	2	0	0	
10	104	Research and Libraries	1	2	2	0	0	
13	151	Music Education	1	2	2	0	0	
15	114	Industrial Psychology	2	2	2	0	0	
21	164	Accounting	2	2	2	0	0	
22	104	Small Projects Management	2	2	2	0	0	
27	166	Industrial Economics	2	2	2	0	0	
57	102	Introduction of Contracts and Specification	3	3	3	0	0	
63	136	Principles of Air Conditioning & Refrigeration	3	3	3	0	0	
64	268	Creativity and Design in Technology	2	2	2	0	0	
65	205	Automotive Mechanics	3	3	3	0	0	
66	135	Energy and Water Conservation	3	3	3	0	0	

General Compulsory Courses (6 Credits)

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
1	101	Islamic Culture	2	2	2	0	0	
66	124	Introduction to Mechanical Engineering Technr	2	2	2	0	0	
66	125	Occupational Safety	2	2	2	0	0	
			6	6	6			