

Masters of Engineering in Mechanical Engineering Study Plan:

First Semester			
#	Course code	Course name	Credit Hours
1	ME 626	Thermodynamics	3
2	ME 627	Design of Parts and Products	3
3	ME 628	Applied Fluid Mechanics	3
4	ME 629	Mechanical Engineering Technology	3
Total			12

Second Semester			
#	Course code	Course name	Credit Hours
1	ME 630	Applied Heat transfer	3
2	ME 631	Thermal Power Plants	3
3	ME 632	Topics in Water Desalination	3
4	ME 633	Renewable and Alternative Energy	3
Total			12

Third Semester			
#	Course code	Course name	Credit Hours
1	ME 649	Research Methods	3
2	ME ***	Elective 1	3
3	ME ***	Elective 2	3
4	ME 650	Graduation Project (1)	3
Total			12

Fourth Semester			
#	Course code	Course name	Credit Hours
1	ME ***	Elective 3	3
2	ME ***	Elective 4	3
3	ME 651	Graduation Project (2)	3
Total			9

Program Elective Courses			
No.	Course Code	Course Name	Credit Hours
1	ME 634	Structures Analysis and computational Design	3 (0,0,0)
2	ME 635	Engineering Design Processes	3 (0,0,0)
3	ME 636	Applied Mechanical Vibrations	3 (0,0,0)
4	ME 637	Reliability Design of Mechanical Systems	3 (0,0,0)
5	ME 638	Cogeneration and Energy Storage	3 (0,0,0)
6	ME 639	Refrigeration and Air Conditioning Systems and Applications	3 (0,0,0)
7	ME 640	Principles of Turbomachinery	3 (0,0,0)
8	ME 641	Aerodynamics	3 (0,0,0)
9	ME 642	Material Properties and Selection	3 (0,0,0)
10	ME 643	Manufacturing Processes	3 (0,0,0)
11	ME 644	Special Topics in Mechanical Engineering I	3 (0,0,0)
12	ME 645	Special Topics in Mechanical Engineering II	3 (0,0,0)
Total Credit Required from the Elective Course			12