



Sultan Qaboos University

Academic Degree and Degree Plan of Postgraduate Studies Program

College	Engineering		
Department	Mechanical and Industrial Engineering	Degree	Master of Science
Program- Major	Mechanical Engineering	Cohort	2024-2025
Specialization	Mechanical Engineering	Mode of Study	<input type="checkbox"/> Full time <input type="checkbox"/> Part time <input checked="" type="checkbox"/> Both

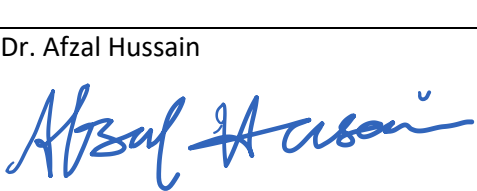


Credit Required for Graduation	30	
Core Courses	Thesis	Elective Courses
9	6	15

Program Option		
<input checked="" type="checkbox"/> Courses and thesis	<input type="checkbox"/> Thesis Only	<input type="checkbox"/> Courses Only
<input type="checkbox"/> Courses & Examination		

Core Courses		
Course Code	Course Title	Credits
ENGR 6913 Or ENGR 6910	Advanced Engineering Mathematics Or Advance Eng. Statistics (<i>subject to advisor's approval</i>)	3
MEIE 6004	Advanced Numerical Methods	3
MEIE 6111	Advanced Engineering Measurement Systems	3
Total		9

Elective Courses		
Course Code	Course Title	Credits
Special courses		
MEIE6001	Proj. Eng'g. Mngt.	3
MEIE6099	Special Topics in ME	3
MEIE 6212	Directed Studies	3

MEIE 6112	Design and Analysis of Experiments	3
Thermofluids		
MEIE 6011	Advanced Heat & Mass Transfer	3
MEIE 6020	Computational Fluid Dynamics	3
MEIE 6014	Desalination & Water Treatment Technology	3
MEIE 6016	Advanced Thermodynamics	3
MEIE 6017	Advanced Fluid Mechanics	3
MEIE6142	Advanced Solar Thermal Processes	3
Applied Mechanics		
MEIE 6101	Advanced Solid Mechanics	3
MEIE6114	Advanced Finite Element Methods	3
Dynamics and Control		
MEIE 6102	Rotor Dynamics	3
MEIE 6104	Advanced Process Control Systems	3
MEIE 6108	Advanced Vibrations	3
MEIE6119	Micro-and Nanoelectromechanical Systems	
Materials and Manufacturing		
MEIE 6105	Advanced Engineering Materials	3
MEIE6118	Mechanical Behaviours of Engineering Materials	3
MEIE 6116	Engineering Fracture Mechanics	3
Total		15
Thesis		
Course Code	Course Title	Credits
MEIE 7002	Master Thesis	6
Total		

Approval and Signatures		
Program Coordinator:	Head Of Department:	Assistant Dean for Postgraduate Studies and Research:
Dr. Afzal Hussain 	Dr. Nasr Al-Hinai 	Dr. Majid Al-Maharbi  

Note: - Any course not included in the degree plan must be taken after getting approval from the program coordinator.

