



## Sultan Qaboos University

### Academic Degree and Degree Plan of Postgraduate Studies Program

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

<b>Credit Required for Graduation</b>	30	
<b>Core Courses</b>	<b>Thesis</b>	<b>Elective Courses</b>
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
ENGR6913 Or ENGR6910	Advanced Eng. Mathematics Or Advance Engineering Statistics (subject to advisor's approval)	3
MEIE6004	Advanced Numerical Methods	3
MEIE6111	Advanced Engineering Measurement Systems	3
<b>Total</b>		9

Elective Courses		
ENGR6911	Advanced Engineering Management	3
MEIE6099	Special Topics in ME	3
MEIE6212	Directed Studies	3

MEIE6011	Advanced Heat & Mass Transfer	3
MEIE6012	Process Engineering Design	3
MEIE6020	Computational Fluid Dynamics	3
MEIE6014	Desalination & Water Treatment Technology	3
MEIE6016	Advanced Thermodynamics	3
MEIE6017	Advanced Fluid Mechanics	3
MEIE6101	Advanced Solid Mechanics	3
MEIE6102	Rotor Dynamics	3
MEIE6104	Advanced Process Control Systems	3
MEIE6105	Advanced Engineering Materials	3
MEIE6106	Computer Aided Design	3
MEIE6108	Advanced Vibrations	3
MEIE6166	Nanomaterials	3
MEIE6112	Design and Analysis of Experiments	3
MEIE6116	Engineering Fracture Mechanics	3
<b>Total</b>		
<b>Thesis</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
MEIE7002	Master Thesis	6
<b>Total</b>		

<b>Approval and Signatures</b>		
<b>Program Coordinator:</b>	<b>Head Of Department:</b>	<b>Assistant Dean for Postgraduate Studies and Research:</b>
Dr. Majid Al-Maharbi	Dr. Mahmoud Al-Kindi	Dr. Abdullah Al-Saidy