College: **ENGINEERING**
Department: **MECHANICAL & INDUSTRIAL ENGINEERING**
Cohorts: **2010**
Degree: **M.Sc.**
Major: **MECHANICAL ENGINEERING**

Summary of Credits:	
College Requirements	6
Program Requirements	6
Electives	12
Research Project	0
TOTAL	**24**

For reference contact: Dr. Ashraf Shikdar (HOD) Ext. 1352

HoD Date 13/1/10

Dean's Office Date

Registrar's Office Date

MSc in Mechanical Engineering

Degree Plan

Credits Required	**: 24**
College Requirements	: 6
Program Requirements	: 6
Elective Course	: 12
Research Project	: 0

Course Code	Course Title	Credit	Category	
			Core	Elective
College Requirements				
ENGR6911	Advanced Engineering Management	3	*	
Select any one (Subject to the approval of the advisor)				
ENGR6910 **Or**	Advanced Engineering Statistics	3	*	
ENGR6913	Advanced Eng Mathematics	3	*	
Program Requirements				
MEIE6004	Advanced Numerical Methods	3	*	
MEIE6111	Advanced Engineering Measurement Systems	3	*	
MEIE7000	Project	0	*	
Department Electives (Select any four subject to availability)				
Thermo-Fluids				
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		*
MEIE6211	Special Topics	3		*
MEIE6212	Directed Studies	3		*
Applied Mechanics				
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		*
MEIE6211	Special Topics	3		*
MEIE6212	Directed Studies	3		*

[+] *Students may take courses other than those taken as DE from the Department as well as from the College of Engineering and other Colleges, with the approval of the Academic Advisor.*