

**Course Requirements and Registration Priorities
School of Engineering (Master), Fall 2017**

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SEDS											
Chemical Engineering											
1	MCHE 600	MSc Thesis in Chemical Engineering	15	30							
2	MCHE 613	Physical Chemistry of Oil & Gas	1.5	3							
3	MCHE 614	Applied Chemical Engineering Thermodynamics	1.5	3							
4	MCHE 615	Advanced Unit Operations	1.5	3							
5	MCHE 616	Advanced Chemical Reactor Engineering	1.5	3	ECHE 481 Chemical Reaction Engineering (1985) (D and above)						
6	MCHE 618	Plant Economics and Planning	1.5	3							
7	MCHE 619	Safety Engineering and Loss Prevention	1.5	3							
Civil Engineering											
8	MCE 600	MSc Thesis in Civil Engineering	15	30							
9	MCE 601	Sustainable Development	3	6							
10	MCE 604	Advanced Project Management	3	6							
11	MCE 606	Environmental Impacts and Assessments	3	6							
12	MSC 615	Advanced Statistics and Probability	3	6							
13	MSC 616	Research Methods	3	6							
Civil and Environmental Engineering											
14	EMEM 507	Project Management	3	6							
15	EMEM 523	Supply Chain Management	3	6							
16	EMEM 527	Globalization and Engineering	3	6							

17	EMEM 533	Engineering Management and Engineering Economy	3	6						
18	EMEM 537	Engineering Decision Tools	3	6						
19	EMEM 538	Knowledge and Innovation Management	3	6						
20	EMEM 539	Big Data and Information Management	3	6						
21	EMEM 542	Production and Service Operations Management	3	6						
Electrical and Electronic Engineering										
22	MEE 600	MSc Thesis in Electrical and Electronics Engineering	15	30						
23	MEE 607	Statistical Signal Processing	3	6						
24	MEE 608	Special Topics in Circuits Theory	3	6						
25	MEE 622	Modern Control Theory	3	6						
26	MEE 623	Random Processes	3	6						
Mechanical Engineering										
27	MME 600	Master Thesis in Mechanical Engineering	15	30						
28	MME 604	Engineering Mathematics	3	6						
29	MME 605	Numerical Techniques for Engineers	3	6						
30	MME 606	Advanced Control Systems	3	6						