

**Course Requirements and Registration Priorities
(Graduate: Master), Spring 2018**

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SEng											
Chemical Engineering											
1	MCHE 601	Pipeline Engineering & Flow Assurance	3	6							
2	MCHE 602	Process Engineering and Simulation	3	6	MCHE 615 Advanced Unit Operations (D and above)						
3	MCHE 603	Crude Oil Processing	3	6							
4	MCHE 604	Natural Gas Processing	3	6							
5	MCHE 605	Petroleum Refining Water/Wastewater Use and Management	3	6							
Civil Engineering											
6	EMEM 510	Managerial Accounting	2	4							
7	EMEM 511	Business Strategy	2	4							
8	EMEM 512	Leading Change	2	4							
9	EMEM 513	Entrepreneurship	2	4							
10	EMEM 514	Finance	2	4							
11	EMEM 516	Management of Organizations	2	4							
12	EMEM 517	Marketing	2	4							
13	EMEM 529	Capstone Project	7.5	15							
14	EMEM 535	Managing Product and Service Development	3	6							
15	EMEM 543	Quality and Lean Management	3	6							
16	EMEM 545	Business Communication	2	4							
17	MCE 609	Contaminated Site Management and Soil Treatment Technologies	3	6							

18	MCE 610	Sustainable Transportation Systems	3	6							
19	MCE 611	Sustainable Infrastructure Systems	3	6							
20	MCE 612	Resilient Structural and Geotechnical Systems	3	6							
Electrical and Electronic Engineering											
21	MEE 601	Industrial and Commercial Power System	3	6							
22	MEE 602	Advanced Power Electronics	3	6							
23	MEE 609	Internet of Things	3	6							
24	MEE 615	Wireless Communications	3	6							
25	MEE 618	Optical Communication	3	6							
26	MEE 620	RF and Microwave Communications Systems	3	6							
27	MEE 624	Pattern Recognition	3	6							
28	MEE 627	Switched Capacitor Converters (Special Topics in Power Engineering)	3	6							
29	MEE 629	System Design for Wireless	3	6							
Mechanical Engineering											
30	MME 622	Advanced Design and Manufacturing	3	6							
31	MME 623	Design and Manufacturing with Environmental Concern	3	6							
32	MME 624	Design Optimization	3	6							
33	MME 625	Advanced Computer Aided Engineering	3	6							
34	MME 626	Advanced Manufacturing Processes and Strategies	3	6							
SHSS											
Area Studies											
35	EAS 502	Disciplinary Methodology	4	8					SEng, SHSS, SST		
36	EAS 504	Thesis II	12.5	25	EAS 500 Introduction to Eurasia (C- and above) AND EAS 501 General Methodology (C- and above) AND EAS 502 Disciplinary Methodology (C- and above) AND EAS 503 Thesis I (C- and above)				Eurasian Studies		
Economics											

37	ECON 521	Microeconomic Theory II	4	8	ECON 501 Microeconomics I (C- and above) AND ECON 512 Mathematical Economics (C- and above)			Economics, Eurasian Studies, Political Science and International Relations	SEng, SHSS, SST		
38	ECON 522	Macroeconomics II	4	8	ECON 502 Macroeconomics I (C- and above) AND ECON 512 Mathematical Economics (C- and above)			Economics, Eurasian Studies, Political Science and International Relations	SEng, SHSS, SST		
39	ECON 524	Research Methodology	4	8	ECON 501 Microeconomics I (C- and above) AND ECON 502 Macroeconomics I (C- and above) AND ECON 511 Statistics (C- and above)	ECON 531 Econometrics (D and above)		Economics, Eurasian Studies, Political Science and International Relations	SEng, SHSS, SST		
40	ECON 528	Wages and the Labor Market	3	6	ECON 521 Microeconomic Theory II (C- and above) AND ECON 531 Econometrics (C- and above)			Economics, Eurasian Studies, Political Science and International Relations	SEng, SHSS, SST		
41	ECON 531	Econometrics	4	8	ECON 511 Statistics (C- and above) AND ECON 512 Mathematical Economics (C- and above)			Economics, Eurasian Studies, Political Science and International Relations	SEng, SHSS, SST		
42	ECON 590	Thesis II	8	16	ECON 589 Thesis I (C- and above)			SEng, SHSS, SST			
History, Philosophy and Religious Studies											
43	HST 524	Global Histories	3	6				SEng, SHSS, SST			
Languages, Literature and Linguistics											
44	WLL 540	Oral Epic in Central Asia	4	8				SEng, SHSS, SST			
Political Science and International Relations											
45	PLS 510	Advanced Research II	4	8	PLS 511 Advanced Research I (D and above)			1 year Graduate SHSS Political Sciences and Int. Relations	SEng, SHSS, SST		
46	PLS 531	Politics and Governance of the Russian Federation	4	8	PLS 101 Introduction to Political Science (C- and above) AND PLS 140 Introduction to Comparative Politics (C- and above) AND (Subject "PLS" BETWEEN 200 and 299 OR Subject "" BETWEEN 200 and 299 OR Subject "" BETWEEN 200 and 299)			2 year Graduate SHSS Political Sciences and Int. Relations	1 year Graduate SHSS Political Sciences and Int. Relations	SEng, SHSS, SST	
47	PLS 540	Core Seminar in Comparative Politics	4	8				1 year Graduate SHSS Political Sciences and Int. Relations	SEng, SHSS, SST		

48	PLS 547	Comparative Political Parties	4	8				2 year Graduate SHSS Political Sciences and Int. Relations	1 year Graduate SHSS Political Sciences and Int. Relations	SEng, SHSS, SST	
49	PLS 551	Advanced Topics in International Relations	4	8				2 year Graduate SHSS Political Sciences and Int. Relations	1 year Graduate SHSS Political Sciences and Int. Relations	SEng, SHSS, SST	
50	PLS 555	The Politics of Arms in International Relations	4	8				2 year Graduate SHSS Political Sciences and Int. Relations	1 year Graduate SHSS Political Sciences and Int. Relations	SEng, SHSS, SST	
51	PLS 558	International Organization	4	8	PLS 550 Core Seminar in IR (C- and above)			2 year Graduate SHSS Political Sciences and Int. Relations	1 year Graduate SHSS Political Sciences and Int. Relations	SEng, SHSS, SST	
52	PLS 598	MA Thesis for Political Science and International Relations	10	20				2 year Graduate SHSS Political Sciences and Int. Relations			
Sociology and Anthropology											
53	ANT 520	Materiality in Eurasian Society	4	8				SEng, SHSS, SST			
GSB											
GSB											
54	GSBF 514	Corporate Finance	2	4				SEng, SHSS, SST			
GSE											
GSE											
55	EDML 611	Plurilingual Individual	3	6				SEng, SHSS, SST			
56	EDML 612	Multilingual Society	3	6				SEng, SHSS, SST			
57	EDSE 620	Perspectives on Inclusive Education	3	6				SEng, SHSS, SST			
58	EDUC 504	English for Thesis Writing II	3	6				SEng, SHSS, SST			
59	EDUC 506	Academic English II	1.5	3				SEng, SHSS, SST			
60	EDUC 511	Advanced English for Education Professionals II	3	6				SEng, SHSS, SST			
61	EDUC 571	Basic Kazakh	3	6				SEng, SHSS, SST			
62	EDUC 572	Kazakh for Professional Purposes	3	6				SEng, SHSS, SST			
63	EDUC 573	Academic Writing in Kazakh	3	6				SEng, SHSS, SST			
64	EDUC 600	Research Methods II	3	6				SEng, SHSS, SST			
65	EDUC 670	Internship Project	6	12				SEng, SHSS, SST			
66	EDUC 671	Work-based project	6	12				SEng, SHSS, SST			