

## Course Requirements and Registration Priorities Summer 2018

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
<b>SEng</b>											
<b>Electrical and Electronic Engineering</b>											
1	EEE 342	Electromagnetics	3	6							
<b>Mechanical Engineering</b>											
2	EME 254	Mechanics of Materials	3	6							
<b>School of Engineering</b>											
3	BENG 117	Engineering Mechanics	3	6				Course registered by School Office			
4	BENG 302	Internship	1	2				Through Add form only			
5	BENG 304	Internship	2	4				Through Add form only			
6	BENG 306	Internship	3	6				Through Add form only			
7	BENG 308	Internship	4	8				Through Add form only			
8	BENG 310	Internship	5	10				Through Add form only			
9	BENG 312	Internship	6	12				Through Add form only			
<b>SST</b>											
<b>Biological Science</b>											
10	BIOL 399	Biology Internship - 2B	3	6				Through Add form only			
11	BIOL 492	Directed study in Biology	3	6				Through Add form only			
<b>Chemistry</b>											
12	CHEM 102	General Chemistry II	3	6	CHEM 101 General Chemistry I (C and above)			Chemistry	SST	SHSS	
13	CHEM 102L	General Chemistry II lab	1	2	CHEM 101L General Chemistry I lab (C and above)	CHEM 102 General Chemistry II (C and above)		Chemistry	SST	SHSS	
14	CHEM 189c	Independent Study	3	6				Through Add form only			
15	CHEM 388	Chemistry Internship	3	6				Through Add form only			
<b>Computer Science</b>											

16	CSCI 152	Performance and Data Structures	4	8	CSCI 151 Programming for Scientists and Engineers (C- and above) OR CSCI 150 Fundamentals of Programming (C- and above) OR CSCI 261 Object Oriented Programming with Java I (C- and above) OR ROBT 102 Programming for robotics and physics (C- and above)			Computer Science	SST	SHSS	
17	CSCI 299	Internship I	3	6				Through Add form only			
18	CSCI 398	Directed Study	3	6				Through Add form only			
19	CSCI 399	Internship II	3	6				Through Add form only			
20	CSCI 408	Senior Project I	3	6				Through Add form only			
<b>Mathematics</b>											
21	MATH 161	Calculus I	4	8				SHSS	SST		
22	MATH 162	Calculus II	4	8	MATH 161 Calculus I (C and above)			SST	SHSS		
23	MATH 274	Introduction to Differential Equations	3	6	MATH 162 Calculus II (C and above) AND MATH 273 Linear Algebra with Applications (C and above)			SST	SHSS		
24	MATH 399	Internship	3	6				Through Add form only			
<b>Physics</b>											
25	PHYS 161	Physics I for Scientists and Engineers with Laboratory	4	8		MATH 161 Calculus I (D and above) OR MATH 162 Calculus II (D and above)	PHYS 171 Physics I for Physics Majors with Laboratory (C- and above)	Biological Sciences, Chemistry	SST	SHSS	
26	PHYS 162	Physics II for Scientists and Engineers with Laboratory	4	8	PHYS 161 Physics I for Scientists and Engineers with Laboratory (C- and above) OR PHYS 151 Introductory Physics I with Lab (C- and above)		PHYS 172 Physics II for Physics Majors with Laboratory (C- and above)	Physics	SST	SHSS	
27	PHYS 299	Research project and internship	3	6				Through Add form only			
28	PHYS 399	Physics Research Project	3	6				Through Add form only			
29	PHYS 491	Directed Study of Advanced Physics Topics	3	6				Through Add form only			

**Robotics and Mechatronics**

30	ROBT 399	Internship	3	6				Through Add form only			
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**SHSS**

**Area Studies**

31	EAS 505	Research and Fieldwork Practicum	4	8				1 year Graduate SHSS Eurasian Studies			
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**Communication and Composition**

32	COMM 439	Special Topics in Media	3	6							
33	SHSS 300	SHSS Internship	3	6				Through Add form only			
34	SHSS 301	SHSS Internship Second Experience	3	6				Through Add form only			

**Economics**

35	ECON 300	Research Assistance in Economics	1	2	ECON 101 Introduction to Microeconomics (C- and above) AND ECON 102 Introduction to Macroeconomics (C- and above)			Through Add form only			
36	ECON 498	Advanced Special Topics in Economics	3	6	ECON 201 Intermediate Microeconomics (C- and above) AND ECON 202 Intermediate Macroeconomics (C- and above)						

**History, Philosophy and Religious Studies**

37	HST 100	History of Kazakhstan	3	6				4 year SEng, 4 year SHSS, 4 year SST	SEng, SHSS, SST		
38	HST 399	Independent Study	3	6							
39	PHIL 124	Knowledge and Reality	3	6				SEng, SHSS, SST			
40	PHIL 223	Philosophy of Science	3	6				SEng, SHSS, SST			

**Kazakh Language and Turkic Studies**

41	KAZ 100	Elementary Kazakh	3	6							
42	KAZ 101	Basic Kazakh I	3	6	KLL "Basic I"						
43	KAZ 111	Intermediate Kazakh I	3	6	KLL "Intermediate I"						
44	KAZ 211	Kazakh Rhetoric	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"			SEng, SHSS, SST			
45	KAZ 313	Kazakh for Business	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"			SEng, SHSS, SST			
46	KAZ 367	Practical Cultural Kazakh Language	0	0				Through Add form only			

**Languages, Literature and Linguistics**

47	RFL 103	Intensive Beginning Russian	4	8				Through Add form only			
48	RFL 104	Intensive Beginning Russian II	4	8							
49	RFL 203	Intensive Intermediate Russian	4	8				Through Add form only			
50	RFL 204	Intensive Intermediate Russian II	4	8							
51	RFL 303	Intensive Advanced Russian	4	8				Through Add form only			
52	RFL 304	Intensive Advanced Russian II	4	8							
53	SPA 101	Beginning Spanish I	4	8				SEng, SHSS, SST			
54	WLL 370	Methods of Teaching Foreign Languages	3	6				Through Add form only			
55	WLL 371	Practicum in Teaching Foreign Languages	2	4				Through Add form only			
<b>Political Science and International Relations</b>											
56	PLS 395	Independent Study	3	6							
57	PLS 451	Advanced Topics in International Relations	3	6	PLS 150 Introduction to International Relations (C- and above) AND PLS 210 Political Science Research Methods (C- and above) AND PLS 211 Quantitative Methods in Political Science (C- and above)						
58	PLS 580	Research and Thesis	0	0							
<b>Sociology and Anthropology</b>											
59	SOC 101	Introduction to Sociology	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
<b>GSB</b>											
<b>GSB</b>											
60	GSBF 533	Islamic Banking and Finance	2	4							
61	GSBF 542	Global Finance Experience Residency (II)	3	6							
62	MBA 11	Managerial Accounting	2	4							
63	MBA 12	Operations Management	2	4							
64	MBA 16	Entrepreneurship	2	4							
65	MBA 18	Financial Statement Analysis	2	4							
66	MBAE 10	Leading Change and Innovation	2	4							
67	MBAE 12	Data Analytics for Business	2	4							
68	MBAE 7	Supply Chain Management	2	4							

**GSPP****GSPP**

69	MPA 607	Accountability, Financial and Performance Management	4	8							
70	MPA 699	Master's Project with Overseas Component	6	12							

**GSE****GSE**

71	EDHE 621	Education Policy Analysis and Development	3	6							
72	EDHE 622	Comparative and International Education	3	6							
73	EDHE 641	Organisation and governance in higher education	3	6							
74	EDHE 650	Innovative Research Methods: Answering the Complicated, Contemporary Questions in Higher Education	3	6							
75	EDHE 690	Thesis Seminar I	1.5	3							
76	EDHE 693	Thesis Seminar IV	9	18							
77	EDIE 650	Theories of Inclusive Education	3	6							
78	EDIE 652	Curriculum Design: perspectives on Addressing Barriers to Teaching and Learning (Including SEN)	3	6							
79	EDIE 690	Thesis Seminar I	1.5	3							
80	EDIE 693	Thesis Seminar IV	9	18							
81	EDML 601	Introduction to Linguistics	3	6							
82	EDSE 624	Psychology of Learning (Children as Learners)	3	6							
83	EDSE 630	Professional Identity	3	6							
84	EDSE 636	Preparing Children for the Future: Skills and Employability	3	6							
85	EDSE 637	Student Discourse and Argumentation: Theories, Practices and Policies	3	6							
86	EDSE 690	Thesis Seminar I	1.5	3							
87	EDSE 693	Thesis Seminar IV	9	18							