

## 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 and Engineering I with Lab	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 and Engineering II with Lab	4	8	PHYS 161 Physics and Engineering I with Lab (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			
<b>Robotics and Mechatronics</b>											

30	ROBT 399	Internship	3	6				Through Add form only			
<b>SHSS</b>											
<b>Area Studies</b>											
31	EAS 505	Research and Fieldwork Practicum	4	8				1 year Gr SHSS Eurasian Studies			
<b>Communication and Composition</b>											
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			
<b>Economics</b>											
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)						
<b>History, Philosophy and Religious Studies</b>											
37	HST 100	History of Kazakhstan	3	6				4 year UG SENG, 4 year UG SHSS, 4 year UG 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			
<b>Kazakh Language and Turkic Studies</b>											
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	Academic Speaking in Kazakh	3	6	KAZ 202 Academic Kazakh II (C- and above)			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			
<b>Languages, Literature and Linguistics</b>											
47	LING 370	Methods of Teaching Foreign Languages	3	6				Through Add form only			

48	RFL 103	Intensive Beginning Russian	4	8				Through Add form only			
49	RFL 104	Intensive Beginning Russian II	4	8							
50	RFL 203	Intensive Intermediate Russian	4	8				Through Add form only			
51	RFL 204	Intensive Intermediate Russian II	4	8							
52	RFL 303	Intensive Advanced Russian	4	8				Through Add form only			
53	RFL 304	Intensive Advanced Russian II	4	8							
54	SPA 101	Beginning Spanish I	4	8				SEng, SHSS, SST			
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	PLS 210 Political Science Research Methods (C- and above) AND PLS 211 Quantitative Methods (C- and above)						
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 (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 UG SST Biological Sciences, 3 year UG 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 18	Financial Statement Analysis	2	4							
65	MBAE 10	Leading Change and Innovation	2	4							
66	MBAE 12	Data Analytics for Business	2	4							
67	MBAE 7	Supply Chain Management	2	4							
<b>GSPP</b>											
<b>GSPP</b>											

68	MPA 607	Accountability, Financial and Performance Management	4	8							
69	MPA 699	Master's Project with Overseas Component	0	0							
<b>GSE</b>											
<b>GSE</b>											
70	EDHE 621	Education Policy Analysis and Development	3	6							
71	EDHE 622	Comparative and International Education	3	6							
72	EDHE 641	Organisation and governance in higher education	3	6							
73	EDHE 650	Innovative Research Methods: Answering the Complicated, Contemporary Questions in Higher Education	3	6							
74	EDHE 690	Thesis Seminar I	1.5	3							
75	EDHE 693	Thesis Seminar IV	9	18							
76	EDIE 650	Theories of Inclusive Education	3	6							
77	EDIE 652	Curriculum Design: perspectives on Addressing Barriers to Teaching and Learning (Including SEN)	3	6							
78	EDIE 690	Thesis Seminar I	1.5	3							
79	EDIE 693	Thesis Seminar IV	9	18							
80	EDML 601	Introduction to Linguistics	3	6							
81	EDSE 624	Psychology of Learning (Children as Learners)	3	6							
82	EDSE 630	Professional Identity	3	6							
83	EDSE 636	Preparing Children for the Future: Skills and Employability	3	6							
84	EDSE 637	Student Discourse and Argumentation: Theories, Practices and Policies	3	6							
85	EDSE 690	Thesis Seminar I	1.5	3							
86	EDSE 693	Thesis Seminar IV	9	18							
<b>Other</b>											
<b>Area Studies</b>											
87	T-AHS 181	Discovering Anthropology	3	6							
88	T-COM ARTS 345	Online Comm & Personal Rltshp	3	6							
89	T-COM ARTS 346	Critical Internet Studies	3	6							
90	T-SOC 131	Criminal Justice in America	3	6							

91	T-SOC 138	The Sociology of Gender	3	6						
92	T-SOC 307LEC	Criminology	3	6						
<b>Humanities</b>										
93	T-CLASSICS 370	Classical Mythology	3	6						
94	T-RELIG ST 173	Consuming Happiness	3	6						
<b>Other</b>										
95	T-53 748	Migrations-und Diasporaforschung im Kaukasus und Zentralasien	4	8						
96	T-BIO 498TUT	Undergraduate Research	3	6						
97	T-CE 400LEC	Special Topics	3	6						
98	T-CHE 498TUT	Senior Research	3	6						
99	T-CIE 308	Engineering Statistics	3	6						
100	T-CIE 435	Foundation Engineering	3	6						
101	T-CSE 331LR	Intro to Algorithms	4	8						
102	T-EAS 360LEC	STEM Communications	3	6						
103	T-ECO 2015LEC	Money & Bankikng	3	6						
104	T-ECO 405LEC	Microeconomic Theory	3	6						
105	T-ECO 407SEM	Macroeconomic Theory	3	6						
106	T-EE 498TUT	Undergrd Research Activity	6	12						
107	T-LEGAL ST131	Criminal Justice in America	3	6						
108	T-MAE 338LAB	MAE Lab II	2	4						
109	T-MAE 376	Applied Math for MAEs	3	6						
110	T-MBA 100	Communication and Conflict Management	3	6						
111	T-MBA 101	Information, Knowledge, Creativity	3	6						
112	T-MBA 102	Project Finance, Procurement, Legal Aspects	3	6						
113	T-MBA 103	Change Management = Program and Portfolio Management	3	6						

114	T-MGA 201LR	Intro to Financial Accounting	3	6						
115	T-PKM 001	Parallel Kinematic Manipulators	2.5	5						
116	T-PSY 101LEC	Introductory Psychology	3	6						
117	T-PSY 331LEC	Social Psychology	3	6						
<b>SHSS</b>										
118	T-INTL BUS 200	International Business	3	6						
119	T-ISSU 1064	Quantitative Finance: Maths in Investment	3	6						
120	T-PHILOS 243	Ethics in Business	3	6						
121	T-PHILOS 304	Philosophy and Feminism	3	6						
<b>Social Science</b>										
122	T-JMM 570	Politics and Economics of the Free Society	3	6						
123	T-POLI SCI 401	Intn Development & Cooperation	3	6						
124	T-SOC 134	Am Racial & Ethnic Minorities	3	6						