

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
SEng											
Electrical and Electronic Engineering											
1	EEE 342	Electromagnetics	3	6							
Mechanical Engineering											
2	EME 254	Mechanics of Materials	3	6							
School of Engineering											
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			
SST											
Biological Science											
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			
Chemistry											
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			
Computer Science											

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			
Mathematics											
20	MATH 161	Calculus I	4	8				SHSS	SST		
21	MATH 162	Calculus II	4	8	MATH 161 Calculus I (C and above)			SST	SHSS		
22	MATH 274	Introduction to Differential Equations	3	6	(MATH 162 Calculus II (C- and above) OR MATH 263 Calculus III (C- and above)) AND MATH 273 Linear Algebra with Applications (C- and above)			SST	SHSS		
23	MATH 399	Internship	3	6				Through Add form only			
Physics											
24	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	
25	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	
26	PHYS 299	Research project and internship	3	6				Through Add form only			
27	PHYS 399	Physics Research Project	3	6				Through Add form only			
28	PHYS 491	Directed Study of Advanced Physics Topics	3	6				Through Add form only			
Robotics and Mechatronics											

29	ROBT 399	Internship	3	6				Through Add form only		
SHSS										
Area Studies										
30	EAS 505	Research and Fieldwork Practicum	4	8				1 year Graduate SHSS Eurasian Studies		
Communication and Composition										
31	COMM 439	Special Topics in Media	3	6				1 year Graduate SHSS Eurasian Studies		
32	SHSS 300	SHSS Internship	3	6				Through Add form only		
33	SHSS 301	SHSS Internship Second Experience	3	6				Through Add form only		
Economics										
34	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		
35	ECON 498	Advanced Special Topics in Economics	3	6	ECON 201 Intermediate Microeconomics (C- and above) AND ECON 202 Intermediate Macroeconomics (C- and above)			Through Add form only		
History, Philosophy and Religious Studies										
36	HST 100	History of Kazakhstan	3	6				4 year SEng, 4 year SHSS, 4 year SST	SEng, SHSS, SST	
37	HST 399	Independent Study	3	6				4 year SEng, 4 year SHSS, 4 year SST	SEng, SHSS, SST	
38	PHIL 124	Knowledge and Reality	3	6				SEng, SHSS, SST		
39	PHIL 223	Philosophy of Science	3	6				SEng, SHSS, SST		
Kazakh Language and Turkic Studies										
40	KAZ 100	Elementary Kazakh	3	6				SEng, SHSS, SST		
41	KAZ 101	Basic Kazakh I	3	6	KLL "Basic I"			SEng, SHSS, SST		
42	KAZ 111	Intermediate Kazakh I	3	6	KLL "Intermediate I"			SEng, SHSS, SST		
43	KAZ 211	Kazakh Rhetoric	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"			SEng, SHSS, SST		
44	KAZ 313	Kazakh for Business	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"			SEng, SHSS, SST		
45	KAZ 367	Practical Cultural Kazakh Language	0	0				Through Add form only		
Languages, Literature and Linguistics										
46	RFL 103	Intensive Beginning Russian	4	8				Through Add form only		
47	RFL 104	Intensive Beginning Russian II	4	8				Through Add form only		

48	RFL 203	Intensive Intermediate Russian	4	8				Through Add form only			
49	RFL 204	Intensive Intermediate Russian II	4	8				Through Add form only			
50	RFL 303	Intensive Advanced Russian	4	8				Through Add form only			
51	RFL 304	Intensive Advanced Russian II	4	8				Through Add form only			
52	SPA 101	Beginning Spanish I	4	8				SEng, SHSS, SST			
53	WLL 370	Methods of Teaching Foreign Languages	3	6				Through Add form only			
54	WLL 371	Practicum in Teaching Foreign Languages	2	4				Through Add form only			
Political Science and International Relations											
55	PLS 395	Independent Study	3	6				Through Add form only			
56	PLS 580	Research and Thesis	0	0				Through Add form only			
Sociology and Anthropology											
57	SOC 101	Introduction to Sociology	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
CPS											
CPS											
58	FEAP 001	English for Academic Purposes	0	0				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
59	FSCI 006	Foundation 'Chemistry & Biology'	0	0				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
GSB											
GSB											
60	GSBF 542	Global Finance Experience Residency (II)	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
61	MBA 11	Managerial Accounting	2	4				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
62	MBA 12	Operations Management	2	4				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		

63	MBA 16	Entrepreneurship	2	4				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
64	MBA 18	Financial Statement Analysis	2	4				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
65	MBAE 10	Leading Change and Innovation	2	4				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
66	MBAE 7	Supply Chain Management	2	4				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
GSP											
GSP											
67	MPA 607	Accountability, Financial and Performance Management	4	8				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
68	MPA 699	Master's Project with Overseas Component	0	0				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
GSE											
GSE											
69	EDHE 621	Education Policy Analysis and Development	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
70	EDHE 622	Comparative and International Education	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
71	EDHE 641	Organisation and governance in higher education	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
72	EDHE 650	Innovative Research Methods: Answering the Complicated, Contemporary Questions in Higher Education	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
73	EDHE 690	Thesis Seminar I	1.5	3				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		

74	EDHE 693	Thesis Seminar IV	9	18				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
75	EDIE 650	Theories of Inclusive Education	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
76	EDIE 652	Curriculum Design: perspectives on Addressing Barriers to Teaching and Learning (Including SEN)	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
77	EDIE 690	Thesis Seminar I	1.5	3				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
78	EDIE 693	Thesis Seminar IV	9	18				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
79	EDML 601	Introduction to Linguistics	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
80	EDSE 624	Psychology of Learning (Children as Learners)	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
81	EDSE 630	Professional Identity	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
82	EDSE 636	Preparing Children for the Future: Skills and Employability	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
83	EDSE 637	Student Discourse and Argumentation: Theories, Practices and Policies	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
84	EDSE 690	Thesis Seminar I	1.5	3				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
85	EDSE 693	Thesis Seminar IV	9	18				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		