

## Course Requirements and Registration Priorities (Undergraduate), 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		
<b>Mathematics</b>										
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		
<b>Physics</b>										
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		
<b>Robotics and Mechatronics</b>										
29	ROBT 399	Internship	3	6				Through Add form only		
<b>SHSS</b>										
<b>Communication and Composition</b>										
30	COMM 439	Special Topics in Media	3	6				Through Add form only		
31	SHSS 300	SHSS Internship	3	6				Through Add form only		
32	SHSS 301	SHSS Internship Second Experience	3	6				Through Add form only		
<b>Economics</b>										

33	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		
34	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		
<b>History, Philosophy and Religious Studies</b>										
35	HST 100	History of Kazakhstan	3	6				4 year SEng, 4 year SHSS, 4 year SST	SEng, SHSS, SST	
36	HST 399	Independent Study	3	6				4 year SEng, 4 year SHSS, 4 year SST	SEng, SHSS, SST	
37	PHIL 124	Knowledge and Reality	3	6				SEng, SHSS, SST		
38	PHIL 223	Philosophy of Science	3	6				SEng, SHSS, SST		
<b>Kazakh Language and Turkic Studies</b>										
39	KAZ 100	Elementary Kazakh	3	6				SEng, SHSS, SST		
40	KAZ 101	Basic Kazakh I	3	6	KLL "Basic I"			SEng, SHSS, SST		
41	KAZ 111	Intermediate Kazakh I	3	6	KLL "Intermediate I"			SEng, SHSS, SST		
42	KAZ 211	Kazakh Rhetoric	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"			SEng, SHSS, SST		
43	KAZ 313	Kazakh for Business	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"			SEng, SHSS, SST		
44	KAZ 367	Practical Cultural Kazakh Language	0	0				Through Add form only		
<b>Languages, Literature and Linguistics</b>										
45	RFL 103	Intensive Beginning Russian	4	8				Through Add form only		
46	RFL 104	Intensive Beginning Russian II	4	8				Through Add form only		
47	RFL 203	Intensive Intermediate Russian	4	8				Through Add form only		
48	RFL 204	Intensive Intermediate Russian II	4	8				Through Add form only		
49	RFL 303	Intensive Advanced Russian	4	8				Through Add form only		
50	RFL 304	Intensive Advanced Russian II	4	8				Through Add form only		
51	SPA 101	Beginning Spanish I	4	8				SEng, SHSS, SST		
52	WLL 370	Methods of Teaching Foreign Languages	3	6				Through Add form only		
53	WLL 371	Practicum in Teaching Foreign Languages	2	4				Through Add form only		
<b>Political Science and International Relations</b>										

54	PLS 395	Independent Study	3	6				Through Add form only		
<b>Sociology and Anthropology</b>										
55	SOC 101	Introduction to Sociology	3	6				2 year SST Biological Sciences, 3 year SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST	