

## Course Requirements and Registration Priorities (Undergraduate), Summer 2017

#	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>Chemical Engineering</b>											
1	ECHE 222	Chemistry I	3	6							
<b>School of Engineering</b>											
2	BENG 308	Internship	4	8							
3	BENG 312	Internship	6	12							
<b>SST</b>											
<b>Biological Science</b>											
4	BIOL 399	Biology Internship - 2B	3	6				Through Add form only			
5	BIOL 492	Directed study in Biology	3	6				Through Add form only			
<b>Chemistry</b>											
6	CHEM 101L	General Chemistry I lab	1	2		CHEM 101 General Chemistry I (C and above)		Chemistry	SST	SHSS	
7	CHEM 102	General Chemistry II	3	6	CHEM 101 General Chemistry I (C and above)			Chemistry	SST	SHSS	
8	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	
9	CHEM 189c	Independent Study	3	6				Through Add form only			
10	CHEM 388	Chemistry Internship	3	6				Through Add form only			
<b>Computer Science</b>											
11	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	

12	CSCI 299	Internship I	3	6				Through Add form only			
13	CSCI 398	Directed Study	3	6				Through Add form only			
14	CSCI 399	Internship II	3	6				Through Add form only			
15	CSCI 399A	Internship II - A	1	2				Through Add form only			
16	CSCI 399F	Internship II - F	6	12				Through Add form only			
<b>Mathematics</b>											
17	MATH 161	Calculus I	4	8				Through Add form only			
18	MATH 162	Calculus II	4	8	MATH 161 Calculus I (C and above)			Mathematics	SST	SHSS	
19	MATH 399	Internship	3	6				Through Add form only			
<b>Physics</b>											
20	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	
21	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	
22	PHYS 299	Research project and internship	3	6				Through Add form only			
23	PHYS 399	Physics Research Project	3	6				Through Add form only			
24	PHYS 491	Directed Study of Advanced Physics Topics	3	6				Through Add form only			
<b>Robotics and Mechatronics</b>											
25	ROBT 399	Internship	3	6				Through Add form only			
<b>SHSS</b>											
<b>Area Studies</b>											
26	T-COM ARTS 347	Race, Ethnicity, and Media	3	6				Through Add form only			
27	T-ED PSYCH 301	How People Learn	3	6				Through Add form only			
28	T-KINES 277	Kendo:Intgratn-Mrtl&Lib Art	3	6				Through Add form only			

29	T-SOC 120	Marriage and Family	3	6				Through Add form only			
30	T-SOC 641	Sociology of Law	3	6				Through Add form only			
<b>Communication and Composition</b>											
31	COMM 240	Health Communication	3	6				SEng, SHSS, SST			
32	COMM 350	Science, Health, and Social Influence	3	6				SEng, SHSS, SST			
33	SHSS 300	SHSS Internship	3	6				Through Add form only			
34	SHSS 301	SHSS Internship Second Experience	3	6				Through Add form only			
35	SHSS 398	Independent Study	1	2				Through Add form only			
<b>Economics</b>											
36	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			
<b>History, Philosophy and Religious Studies</b>											
37	HST 100	History of Kazakhstan	3	6				3 year SEng, 3 year SHSS, 3 year SST, 4 year SEng, 4 year SHSS, 4 year SST	SEng, SHSS, SST		
38	HST 104	Central Asian History II (1700 - 1991)	3	6				SEng, SHSS, SST			
39	PHIL 399	Special Topics in Philosophy	3	6	PHIL 101 Introduction to Philosophy (C- and above) OR PHIL 210 Ethics (C- and above) OR PHIL 220 Truth, Knowledge and Belief (C- and above) OR PHIL 230/PLS 230 Religion and Democracy (C- and above)			SEng, SHSS, SST			
<b>Humanities</b>											
40	T-ENGL 357	Major American Poets	3	6				SEng, SHSS, SST			
41	T-HISTORY 213	Jews and American Pop. Culture	3	6				SEng, SHSS, SST			
<b>Kazakh Language and Turkic Studies</b>											
42	KAZ 101	Basic Kazakh I	3	6	KLL "Basic I"			SEng	SHSS, SST		
43	KAZ 111	Intermediate Kazakh I	3	6	KLL "Intermediate I"			Through Add form only			
44	KAZ 121	Upper-Intermediate Kazakh	3	6	KLL "Upper-Intermediate"			SEng	SHSS, SST		

45	KAZ 211	Kazakh Rhetoric	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"			SEng	SHSS, SST		
46	KAZ 366	Kazakh Language for Engineers	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"			SEng	SHSS, SST		
47	KAZ 367	Practical Cultural Kazakh Language	0	0				Through Add form only			
<b>Languages, Literature and Linguistics</b>											
48	FRE 221	Introduction to French and Francophone Studies	3	6	FRE 102 Beginning French II (C- and above)			Through Add form only			
49	FRE 311	French for Oral Proficiency	3	6	FRE 201 Intermediate French I (C- and above)			SEng, SHSS, SST			
50	RFL 103	Intensive Beginning Russian	4	8				Through Add form only			
51	RFL 203	Intensive Intermediate Russian	4	8				Through Add form only			
52	RFL 303	Intensive Advanced Russian	4	8				Through Add form only			
53	RFL 403	Intensive Advanced and Superior Composition and Conversation Russian	4	8				Through Add form only			
54	WLL 246	Survey of Contemporary Russian Literature and Culture	3	6	Subject "WLL" BETWEEN 100 and 199 OR SHSS 150 Rhetoric and Composition (C- and above)			SEng, SHSS, SST			
55	WLL 371	Practicum in Teaching Foreign Languages	2	4				SEng, SHSS, SST			
56	WLL 399	Independent Study	3	6				Through Add form only			
<b>Political Science and International Relations</b>											
57	PLS 395	Independent Study	3	6				Through Add form only			
<b>SHSS</b>											
58	T-ANTHRO 104	Cult Anthro&Human Diversity	3	6				Through Add form only			
<b>Sociology and Anthropology</b>											
59	ANT 101	Introduction to Sociocultural Anthropology	3	6				SEng, SHSS, SST			
60	ANT 399	Special Topics in Anthropology	3	6				Through Add form only			

61	ANT 400	Research Assistance in Anthropology	1	2	SOC 201 Social Science Research Methods (C- and above) OR SOC 203 Quantitative Methods in Sociology (C- and above) OR SOC 214/ANT 214 Qualitative Methods (C- and above)			Through Add form only		
62	SOC 101	Introduction to Sociology	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
<b>Other</b>										
<b>Area Studies</b>										
63	T-ISYE 313	Engineering Economic Analysis	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
64	T-LAND ARC 375	Intro to architectural and environmental design	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
65	T-SOC 138	The Sociology of Gender	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
<b>Biological Science</b>										
66	T-ENVIRST 260	Introductory Ecology	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
<b>Chemistry</b>										
67	T-GENETICS 466	Principles of Genetics	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
<b>Humanities</b>										
68	T-PSYCH 202	Introduction to Psychology	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
<b>Mathematics</b>										
69	T-MATH 431	Intro-Theory of Probability	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
70	T-STAT 431	Intro-Theory of Probability	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
<b>Mechanical Engineering</b>										
71	T-M E 361	Thermodynamics	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
72	T-ME 420	Polymer Composites Processing	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST

SHSS										
73	T-4ZSS 0115	International Business	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
74	T-INTL BUS 200	International Business	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
75	T-ISSU 1009	International Politics of Human Rights	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
76	T-PHILOS 211	Elementary Logic	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
77	T-PHYSIOL 335	Physiology	4	8				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
School of Engineering										
78	T-CBE 255	Introduction to Chemical Process Modeling	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
79	T-COMP SCI 540	Intro-Artificial Intelligence	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
80	T-DS 501	Dsn Thinking - Inspire, Innovate	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
81	T-MSE 350	Introduction to Materials Science	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
Social Science										
82	T-JMM 570	Politics and Economics of the Free Society	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
83	T-MHR 434	Venture Creation	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST
84	T-SOC 134	Am Racial & Ethnic Minorities	3	6				1 year SHSS, Anthropology, Sociology	1 year SST	2 year SEng, 2 year SHSS, 2 year SST