

## Course Requirements and Registration Priorities (Undergraduate), Summer 2019

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
<b>Other</b>											
<b>Other</b>											
1	T- 01510302	China Exploration	2	4							
2	T- 215900	Critical Thinking	3	6							
3	T-BE 400LEC	Biomed Eng Special Topics	3	6							
4	T-BIO 498TUT	Undergraduate Research	3	6							
5	T-C&E SOC 248	Envir, Nat Resources & Society	3	6							
6	T-CHE 498TUT	Senior Research	3	6							
7	T-CIE 498TUT	Research/Creative Act	6	12							
8	T-COM ARTS 357	History of Animated Film	3	6							
9	T-CSE 410LR	Special Topics	4	8							
10	T-CSE 474LR	Intro Machine Learning	4	8							
11	T-CSE 498TUT	Ug Research & Creative Act	6	12							
12	T-EAS 360LEC	STEM Communications	3	6							
13	T-ECO 380LEC	Eco. Statistics/Data Analysis	3	6							
14	T-ECON 496	Foundations of International Political Economy	3	6							
15	T-EE 498TUT	Undergrd Research Activity	6	12							
16	T-ENG 256LEC	Film	3	6							
17	T-ENVIR ST 112	Envir St-Social Perspective	3	6							
18	T-HISTORY 245	Chicana and Latina History	3	6							
19	T-INTL BUS 200	International Business	3	6							
20	T-ISYE 313	Engineering Economic Analysis	3	6							

21	T-JMM 570	Politics and Economics of the Free Society	3	6							
22	T-LEGAL ST 131	Criminal Justice in America	3	6							
23	T-LITTRANS 373	Topics in Japanese Lit	3	6							
24	T-MAE 335LR	Fluid Mechanics	3	6							
25	T-MAE 376	Applied Math for MAEs	3	6							
26	T-MGA 201LR	Intro to Financial Accounting	3	6							
27	T-MGO 302LEC	Productn & Operatns Mgmt	3	6							
28	T-PAS 113LLB	Human Anatomy	3	6							
29	T-POLI SCI 401	Selected Topics-Poli Sci	3	6							
30	T-POLI SCI 461	Philos, Poli, & Econ Seminar	3	6							
31	T-PSY 101LEC	Introductory Psychology	3	6							
32	T-SOC 134	Soc of Race & Ethnicity in US	3	6							
33	T-SOC 131	Criminal Justice in America	3	6							
34	T-SOC 211	The Sociological Enterprise	3	6							
35	T-SOC 248	Envir, Nat Resources & Society	3	6							
36	T-THEATRE 150	Acting I: Intro to Acting	3	6							
<b>SSH</b>											
<b>Biological Science</b>											
37	BIOL 399	Biology Internship	3	6					Instructor's Permission Required.		
38	BIOL 492	Directed Study in Biology	3	6					Instructor's Permission Required.		
<b>Chemistry</b>											
39	CHEM 102	General Chemistry II	3	6	CHEM 101 General Chemistry I (113) (C and above)				Chemistry	SST	SEng, SHSS, SMG
40	CHEM 102L	General Chemistry II lab	1	2	CHEM 101L General Chemistry I lab (179) (C and above)	CHEM 102 General Chemistry II (232) (C and above)			Chemistry	SST	SEng, SHSS, SMG
41	CHEM 189c	Independent Study	3	6					By Instructor Permission's only		

42	CHEM 388	Chemistry Internship	3	6				Instructor's Permission Required.			
<b>Communication and Composition</b>											
43	SHSS 300	SHSS Internship	3	6				Instructor's Permission Required			
44	SHSS 301	SHSS Internship Second Experience	3	6				Instructor's Permission Required			
45	WCS 150	Rhetoric and Composition	3	6				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST			
<b>Economics</b>											
46	ECON 398	General Special Topics in Economics	3	6	ECON 102 Introduction to Macroeconomics (503) (C- and above)			Instructor's Permission Required.			
47	ECON 498	Advanced Special Topics in Economics	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above) AND ECON 202 Intermediate Macroeconomics (207) (C- and above)			Instructor's Permission Required.			
<b>History, Philosophy and Religious Studies</b>											
48	HST 100	History of Kazakhstan	3	6				4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
49	HST 399	Independent Study	3	6				Instructor's Permission Required.			
<b>Kazakh Language and Turkic Studies</b>											
50	KAZ 150	Basic Kazakh	3	6	KLL "Basic"			Instructor's Permission Required			
51	KAZ 201	Academic Kazakh I	3	6	KLL "Basic" OR KLL "Intermediate"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
52	KAZ 211	Academic Speaking in Kazakh	3	6	KAZ 201 Academic Kazakh I (4561) (C- and above) OR KLL "Upper-Intermediate" OR KLL "Advanced"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
53	KAZ 313	Kazakh for Business	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
54	KAZ 349	Kazakh Mythology	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "Advanced"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	

55	KAZ 356	Kazakh Music History	3	6	KLL "Advanced"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
56	KAZ 367	Practical Cultural Kazakh Language	0	0				Instructor's Permission Required			
57	KAZ 372	Language and ethnicity	3	6	KLL "Advanced" OR KAZ 211 Academic Speaking in Kazakh (702) (C- and above) OR KAZ 212 Academic Writing in Kazakh (703) (C- and above)			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
58	KAZ 375	Cultural Studies and Kazakh Culture	3	6	KLL "Advanced" OR KAZ 202A Kazakh Literature 2/K(C) (228) (C- and above) OR KAZ 211 Academic Speaking in Kazakh (702) (C- and above) OR KAZ 212 Academic Writing in Kazakh (703) (C- and above)			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
59	KFL 101	Elementary Kazakh as a Foreign Language I	4	8				Instructor's Permission Required			
60	KFL 102	Elementary Kazakh as a Foreign Language II	4	8	KFL 101 Elementary Kazakh as a Foreign Language I (4889) (C- and above)			Instructor's Permission Required			
<b>Languages, Literature and Linguistics</b>											
61	LING 371	Practicum in Teaching Foreign Languages	2	4				Instructor's Permission Required			
62	RFL 103	Beginning Russian	4	8				Instructor's Permission Required			
63	RFL 104	Beginning Russian II	4	8				Instructor's Permission Required			
64	RFL 203	Intermediate Russian	4	8				Instructor's Permission Required			
65	RFL 204	Intermediate Russian II	4	8				Instructor's Permission Required			
66	RFL 303	Advanced Russian	4	8				Instructor's Permission Required			
67	RFL 304	Advanced Russian II	4	8				Instructor's Permission Required			
68	RFL 403	Advanced and Superior Composition and Conversation Russian	4	8				Instructor's Permission Required.			
69	RFL 404	Advanced and Superior Composition and Conversation Russian II	4	8				Instructor's Permission Required.			
70	WLL 399	Independent Study	3	6				Instructor's Permission Required.			

Mathematics											
71	MATH 161	Calculus I	4	8				SHSS	SST	SEng, SMG	
72	MATH 162	Calculus II	4	8	MATH 161 Calculus I (118) (C and above)			1 year UG SENG, 1 year UG SMG, 1 year UG SST	SEng, SMG, SST	SHSS	
73	MATH 399	Internship	3	6				Instructor's Permission Required.			
74	MATH 497	Directed Study in Mathematics I	3	6				Instructor's Permission Required.			
Physics											
75	PHYS 161	Physics I for Scientists and Engineers with Laboratory	4	8		MATH 161 Calculus I (118) (C and above)	PHYS 171 Physics I for Physics Majors with Laboratory (1401) (C- and above)	Biological Sciences, Chemistry	SST	SEng, SHSS, SMG	
76	PHYS 162	Physics II for Scientists and Engineers with Laboratory	4	8	PHYS 161 Physics I for Scientists and Engineers with Laboratory (116) (C- and above) OR PHYS 151 Introductory Physics I with Lab (649) (C- and above)		PHYS 172 Physics II for Physics Majors with Laboratory (1402) (C- and above)	1 year UG SENG, 1 year UG SMG, 1 year UG SST	SEng, SMG, SST	SHSS	
77	PHYS 299	Research project and internship	3	6				Instructor's Permission Required.			
78	PHYS 399	Physics Research Project	3	6				Instructor's Permission Required.			
Political Science and International Relations											
79	PLS 150	Introduction to International Relations	3	6				1 year UG SHSS, Political Science and International Relations	1 year UG SENG, 1 year UG SMG, 1 year UG SST	SEng, SHSS, SMG, SST	
80	PLS 391	Intermediate Special Topics in Comparative Politics	3	6	PLS 210 Political Science Research Methods (129) (C- and above)						
81	PLS 395	Independent Study	3	6	PLS 210 Political Science Research Methods (129) (C- and above) AND PLS 211 Quantitative Methods (221) (C- and above)			Instructor's Permission Required.			
82	PLS 495	Research Practicum in PSIR	1	2	PLS 210 Political Science Research Methods (129) (C- and above) AND PLS 211 Quantitative Methods (221) (C- and above)			Instructor's Permission Required			
Sociology and Anthropology											
83	ANT 101	Introduction to Sociocultural Anthropology	3	6				1 year UG SHSS, Anthropology, Sociology	SHSS	SEng, SMG, SST	

84	ANT 160	Introduction to Biological Anthropology	3	6			ANT 361 Human Evolution: Bones, Stones and Genomes (160) (C- and above)	1 year UG SHSS, Anthropology, Sociology	SHSS	SEng, SMG, SST	
85	SOC 180	Introducing Kazakhstan: from the Past to the Future	1	2							
<b>SEDS</b>											
<b>Computer Science</b>											
86	CSCI 151	Programming for Scientists and Engineers	4	8			ROBT 102 Programming for robotics and physics (188) (C- and above) OR CSCI 150 Fundamentals of Programming (1501) (C- and above)	SST	SEng, SMG	SHSS	
87	CSCI 152	Performance and Data Structures	4	8			CSCI 151 Programming for Scientists and Engineers (192) (C- and above) OR CSCI 150 Fundamentals of Programming (1501) (C- and above) OR CSCI 261 Object Oriented Programming with Java I (171) (C- and above) OR ROBT 102 Programming for robotics and physics (188) (C- and above)	1 year UG SENG, 1 year UG SMG, 1 year UG SST	SEng, SMG, SST	SHSS	
88	CSCI 299	Internship I	3	6					Instructor's Permission Required.		
89	CSCI 399	Internship II	3	6					Instructor's Permission Required.		
<b>Electrical and Electronic Engineering</b>											
90	EEE 487	Intelligent Algorithms for Power Systems	3	6					For Yr4 EEE students ony. Registration by School Office		
<b>Robotics and Mechatronics</b>											
91	ROBT 399	Internship	3	6					Instructor's Permission Required		
<b>School of Engineering</b>											
92	BENG 147	Introduction to Fluid Mechanics and Thermodynamics	3	6			BENG 124 Engineering Mathematics I (101) (D and above)		For Retake only - Registration by School Office		
93	BENG 304	Internship	2	4					Instructor's Permission Required		
94	BENG 306	Internship	3	6					Instructor's Permission Required		

95	BENG 308	Internship	4	8				Instructor's Permission Required.			
96	BENG 312	Internship	6	12				Instructor's Permission Required			