

Course Requirements and Registration Priorities (Undergraduate), Summer 2020

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SSH											
Biological Science											
1	BIOL 492	Directed Study in Biology	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Chemistry											
2	CHEM 102	General Chemistry II	3	6	CHEM 101 General Chemistry I (113) (C and above)			Chemistry	Biological Sciences, Computer Science, Mathematics, Physics, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
Communication and Composition											
3	SHSS 398	Independent Study	1	2				Instructor's Permission Required. Registration through Add Course form only!			
4	WCS 150	Rhetoric and Composition	3	6				2 year UG SEDS, 2 year UG SMG, 2 year UG SSH	1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH	SEDS, SMG, SSH, SoM	
History, Philosophy and Religious Studies											
5	HST 100	History of Kazakhstan	3	6				4 year UG SEDS, 4 year UG SMG, 4 year UG SSH	3 year UG SEDS, 3 year UG SMG, 3 year UG SSH	SEDS, SMG, SSH, SoM	
6	HST 399	Independent Study	3	6				Instructor's Permission Required. Registration through Add Course form only!			
7	PHIL 210	Ethics	3	6				2 year UG SEDS, 2 year UG SMG, 2 year UG SSH	1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH	SSH	
Kazakh Language and Turkic Studies											
8	KAZ 150	Basic Kazakh	3	6	KLL "Basic"			Instructor's Permission Required. Registration through Add Course form only!			
9	KAZ 201	Academic Kazakh I	3	6	KLL "Basic" OR KLL "Intermediate"			Instructor's Permission Required. Registration through Add Course form only!			
10	KAZ 202	Academic Kazakh II	3	6	KAZ 201 Academic Kazakh I (4561) (C- and above) OR KLL "Upper-Intermediate"			Instructor's Permission Required. Registration through Add Course form only!			

Languages, Literature and Linguistics

11	LING 373	Advanced Topics in Linguistics	3	6	LING 131 Introduction to Linguistics (1394) (C- and above)						
12	WLL 399	Independent Study	3	6				Instructor's Permission Required. Registration through Add Course form only!			

Mathematics

13	MATH 161	Calculus I	4	8				SEDS, SMG, SSH, SoM			
14	MATH 162	Calculus II	4	8	MATH 161 Calculus I (118) (C and above)			1 year UG SEDS, 1 year UG SMG, 1 year UG SSH Mathematics, 1 year UG SSH Physics	Biological Sciences, Chemistry, Mathematics, Physics, SEDS, SMG	SSH, SoM	
15	MATH 399	Internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
16	MATH 497	Directed Study in Mathematics I	3	6				Instructor's Permission Required. Registration through Add Course form only!			

Physics

17	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)	1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH	SEDS, SMG, SSH, SoM		
18	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 SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH	SEDS, SMG, SSH, SoM		
19	PHYS 299	Research project and internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
20	PHYS 399	Physics Research Project	3	6				Instructor's Permission Required. Registration through Add Course form only!			

Political Science and International Relations

21	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. Registration through Add Course form only!			
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22	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. Registration through Add Course form only!			
Sociology and Anthropology											
23	ANT 404	Research Assistance in Anthropology	3	6				Instructor's Permission Required. Registration through Add Course form only!			
SEDS											
Chemical and Materials Engineering											
24	CHME 202	Fluid Mechanics	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Civil Engineering											
25	ECE 481	Individual Research Projects in Civil Engineering	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Computer Science											
26	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)			Computer Science, Mathematics, Physics, Robotics and Mechatronics	SSH	SEDS, SMG, SoM	
27	CSCI 299	Internship I	3	6				Instructor's Permission Required. Registration through Add Course form only!			
28	CSCI 398	Directed Study	3	6				Instructor's Permission Required. Registration through Add Course form only!			
29	CSCI 399	Internship II	3	6				Instructor's Permission Required. Registration through Add Course form only!			
30	CSCI 399A	Internship II - A	1	2				Instructor's Permission Required. Registration through Add Course form only!			
Electrical and Electronic Engineering											
31	EEE 411	Special Topics in Signal Processing	3	6				Instructor's Permission Required. Registration through Add Course form only!			

32	EEE 488	Numerical Optimization Techniques and Computer Applications	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Mechanical Engineering											
33	EME 357	Fluid Mechanics 2	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Robotics and Mechatronics											
34	ROBT 399	Internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
School of Engineering											
35	BENG 304	Internship	2	4				Instructor's Permission Required. Registration through Add Course form only!			
36	BENG 306	Internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
37	BENG 312	Internship	6	12				Instructor's Permission Required. Registration through Add Course form only!			