

Course Requirements and Registration Priorities (Undergraduate), Fall 2023

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
GSB											
GSB											
1	BUS 101	Core Course in Business	3	6				2 year UG SOM Medical Sciences, 2 year UG SOM Nursing, 3 year UG SOM, 4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SMG, 4 year UG SOM, 4 year UG SSH, 4 year UG SSH (pending graduation)	3 year UG SEDS, 3 year UG SMG, 3 year UG SSH	2 year UG SEDS, 2 year UG SMG, 2 year UG SSH	
SoM											
Medical Sciences											
2	NUSM 101	Introduction to Medicine	2	4				1 year UG SOM Medical Sciences, 2 year UG SOM Medical Sciences			
3	NUSM 301	Introduction to Immunology, Microbiology and Genetics	3	6	BIOL 120 Modern Biology II (1195) (C and above)			3 year UG SOM Medical Sciences			
4	NUSM 302	Introduction to Statistics for Evidence-Based Practice	3	6	MATH 161 Calculus I (118) (C- and above)			3 year UG SOM Medical Sciences			
5	NUSM 303	Introduction to Anatomy and Histology	3	6	BIOL 120 Modern Biology II (1195) (C and above)			3 year UG SOM Medical Sciences			
6	NUSM 401	Introduction to Being a Physician	2	4	NUSM 310 Capstone Project (7138) (C and above)			Medical Sciences			
7	NUSM 402	Medical Anatomy	8	16	NUSM 310 Capstone Project (7138) (C and above)			Medical Sciences			
8	NUSM 403	Human Genetics	3	6	NUSM 310 Capstone Project (7138) (C and above)			Medical Sciences			
9	NUSM 405	Fuel Metabolism	3	6	NUSM 310 Capstone Project (7138) (C and above)			Medical Sciences			
10	NUSM 408	Pharmacology	2	4	NUSM 310 Capstone Project (7138) (C and above)			Medical Sciences			
Nursing											
11	NUR 103L	Microbiology for Nurses with Lab	4	8				1 year UG SOM Nursing			
12	NUR 112	Introduction to Professional Nursing	2	4				1 year UG SOM Nursing, 2 year UG SOM Nursing			
13	NUR 201	Pathophysiologic Foundations of Nursing Care	3	6				2 year UG SOM Nursing			
14	NUR 203	Pharmacology and Therapeutics	3	6				2 year UG SOM Nursing			
15	NUR 204	Nutrition Essentials for Nursing Clinical Practice	2	4				2 year UG SOM Nursing			
16	NUR 205	Psychology for the Health Practitioner	3	6				3 year UG SOM Nursing			
17	NUR 211	Foundations of Nursing Practice I	3	6				2 year UG SOM Nursing			
18	NUR 221	Nursing Research: Introduction to Critical Appraisal and Evidence-Based Practice	3	6				3 year UG SOM Nursing			

19	NUR 301	Nutrition for Clinical Practice	3	6				Nursing (two year program)		
20	NUR 302	Physical Assessment Across the Lifespan	4	8				Nursing (two year program)		
21	NUR 303	Nursing Care of Older Adults	4	8				Nursing (two year program)		
22	NUR 304	Introduction to Basic Statistics for Evidence Based Practice	3	6				Nursing (two year program)		
23	NUR 311C	Obstetric Nursing + Clinical	5	10				3 year UG SOM Nursing		
24	NUR 312C	Pediatric Nursing + Clinical: Care of Children and Families	4	8				3 year UG SOM Nursing		
25	NUR 401	Education: Principles and Practice for Teaching in Nursing	4	8				Nursing (two year program)		
26	NUR 403	Data Analytics for Quality Improvement in Healthcare	3	6				Nursing (two year program)		
27	NUR 404	Community and Home Health Nursing	4	8				Nursing (two year program)		
28	NUR 406.1	Medical-Surgical Nursing: Complex Surgical Management	4	8				Nursing (two year program)		
29	NUR 411C	Community and Home Health Nursing and Clinical	4	8				4 year UG SOM Nursing		
30	NUR 412	Geriatric Nursing: Nursing Care of the Older Adult	2	4				4 year UG SOM Nursing		
31	NUR 413C	Medical Surgical Nursing 3 - Management of the Complex and Critically Ill Patient and Clinical	7	14				4 year UG SOM Nursing		
32	NUR 421	Capstone I: Developing a Project Proposal in Nursing	3	6				4 year UG SOM Nursing		
SMG										
Economics, School of Mining and Geosciences										
33	SMG 200/ECON 220	Resource Economics	3	6	MATH 161 Calculus I (118) (C- and above) OR MATH 162 Calculus II (170) (C- and above)			3 year UG SMG, 4 year UG SMG, 4 year UG SMG (pending graduation)	SEDS, SSH	
Mining Engineering										
34	MINE 301	Mine Surveying and Geographic Information Systems	3	6				3 year UG SMG Mining Engineering	3 year UG SMG, 4 year UG SMG	
35	MINE 302	Geomechanics	3	6				3 year UG SMG Mining Engineering	3 year UG SMG, 4 year UG SMG	
36	MINE 401	Mining Geotechnical Engineering	3	6	MINE 302 Geomechanics (5878) (C- and above)			4 year UG SMG Mining Engineering		
37	MINE 402	Coal Mining	3	6				4 year UG SMG Mining Engineering		
38	MINE 489	Research Project I	3	6				4 year UG SMG Mining Engineering		
Petroleum Engineering										
39	PETE 201	Fluid Mechanics and Thermodynamics	3	6	MATH 161 Calculus I (118) (D and above) OR CHEM 101 General Chemistry I (113) (D and above)			2 year UG SMG	3 year UG SMG	

40	PETE 301	Numerical Methods for Petroleum Engineers	3	6	ENG 200 Engineering Mathematics III (Differential Equations and Linear Algebra) (5009) (C- and above) OR ENG 101 Programming for Engineers (4517) (C- and above)			3 year UG SMG Petroleum Engineering	4 year UG SMG Petroleum Engineering		
41	PETE 302	Reservoir Engineering I with Laboratory works	4	8	PETE 204 Reservoir Rock and Fluid Properties with Lab (5487) (C- and above)			3 year UG SMG Petroleum Engineering, 5 year UG SMG	4 year UG SMG Petroleum Engineering		
42	PETE 303	Well Logging and Formation Evaluation	3	6	GEOL 101 Fundamentals of Geology (4774) (C- and above)			3 year UG SMG Petroleum Engineering	4 year UG SMG Petroleum Engineering		
43	PETE 304	Well Completion and Stimulation	3	6	PETE 203 Drilling Engineering with Laboratories (5486) (C- and above)			3 year UG SMG Petroleum Engineering	4 year UG SMG Petroleum Engineering		
44	PETE 400	Capstone Design Project I	3	6	PETE 302 Reservoir Engineering I with Laboratory works (5955) (C- and above) AND PETE 203 Drilling Engineering with Laboratories (5486) (C- and above)			4 year UG SMG Petroleum Engineering, 5 year UG SMG			
45	PETE 405	Enhanced Oil Recovery	3	6	PETE 204 Reservoir Rock and Fluid Properties with Lab (5487) (D and above)			4 year UG SMG Petroleum Engineering, 5 year UG SMG			
46	PETE 408	Gas Engineering	3	6	PETE 302 Reservoir Engineering I with Laboratory works (5955) (C- and above) AND PETE 307 Production Engineering (6146) (C- and above)			4 year UG SMG Petroleum Engineering, 5 year UG SMG			
School of Mining and Geosciences											
47	GEOL 201	Mineralogy	3	6	GEOL 101 Fundamentals of Geology (4774) (C- and above)			2 year UG SMG Geology	Mining Engineering		
48	GEOL 202	Geologic Maps and Cross-Sections	3	6	GEOL 101 Fundamentals of Geology (4774) (D and above) OR GEOL 102 Fundamentals of Geology (4772) (D and above)			2 year UG SMG Geology	Geology, Mining Engineering, Petroleum Engineering, Undeclared SMG		
49	GEOL 203	Geomorphology	3	6	GEOL 101 Fundamentals of Geology (4774) (C- and above) OR GEOL 102 Fundamentals of Geology (4772) (C- and above)			2 year UG SMG Geology			
50	GEOL 301	Sedimentary petrology	3	6	GEOL 101 Fundamentals of Geology (4774) (D and above) OR GEOL 202 Geologic Maps and Cross-Sections (5123) (D and above)	GEOL 202 Geologic Maps and Cross-Sections (5123) (D and above)		3 year UG SMG Geology	Geology, Mining Engineering, Petroleum Engineering, Undeclared SMG		
51	GEOL 302	Thermodynamics and Geochemistry	3	6	GEOL 101 Fundamentals of Geology (4774) (D and above) OR GEOL 102 Fundamentals of Geology (4772) (D and above)			3 year UG SMG Geology	Geology, Mining Engineering, Petroleum Engineering, Undeclared SMG		
52	GEOL 303	Structural Geology and Tectonics	3	6	(GEOL 101 Fundamentals of Geology (4774) (D and above) OR GEOL 102 Fundamentals of Geology (4772) (D and above)) AND GEOL 202 Geologic Maps and Cross-Sections (5123) (D and above)			3 year UG SMG Geology	Geology, Mining Engineering, Petroleum Engineering, Undeclared SMG	4 year UG SEDS, 4 year UG SEDS (pending graduation)	
53	GEOL 305	Geology of ore deposits	3	6	GEOL 101 Fundamentals of Geology (4774) (D and above) OR GEOL 102 Fundamentals of Geology (4772) (D and above) OR GEOL 201 Mineralogy (5122) (D and above)			3 year UG SMG Geology	Geology, Mining Engineering, Petroleum Engineering, Undeclared SMG	4 year UG SEDS, 4 year UG SEDS (pending graduation)	
54	GEOL 308	Environmental Geochemistry	3	6							

55	GEOL 309	Hydrogeology	3	6				3 year UG SMG Geology	4 year UG SMG Mining Engineering, 4 year UG SMG Petroleum Engineering	4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SSH, 4 year UG SSH (pending graduation)	
56	GEOL 310	Field Geology 2	3	6	GEOL 303 Structural Geology and Tectonics (5874) (D and above) OR GEOL 301 Igneous and metamorphic petrology (5886) (D and above)			3 year UG SMG Geology, 4 year UG SMG Geology	4 year UG SEDS, 4 year UG SEDS (pending graduation)		
57	GEOL 401	Petroleum Geology and Geochemistry	3	6				4 year UG SMG Geology, 4 year UG SMG Petroleum Engineering, 5 year UG SMG	4 year UG SEDS, 4 year UG SEDS (pending graduation)		
58	GEOL 404	Research Project I	3	6				4 year UG SMG Geology			
59	SMG 100	Introduction to Natural Resources Extraction	3	6				1 year UG SMG	SEDS, SSH		
60	SMG 210	Strength of Materials	3	6				2 year UG SMG	3 year UG SMG		
SSH											
Biological Science											
61	BIOL 101	Biology for non-Science majors	3	6			BIOL 110 Modern Biology I (1070) (C- and above)	5 year UG SSH, 5 year UG SSH (pending graduation), Anthropology, Economics, History, Nursing, Political Science and International Relations, Sociology, Undeclared SSH, World Languages, Literatures and Cultures			
62	BIOL 105	General Biology	3	6				5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
63	BIOL 110	Modern Biology I	3	6				1 year UG SOM Medical Sciences, 2 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	2 year UG SSH Undeclared, Chemistry, Computer Science, Electrical and Computer Engineering, Mathematics, Physics, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
64	BIOL 110L	Modern Biology I Laboratory	1	2			BIOL 110 Modern Biology I (1070) (C and above)	1 year UG SOM Medical Sciences, 2 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	2 year UG SSH Undeclared, Chemistry, Computer Science, Electrical and Computer Engineering, Mathematics, Physics, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
65	BIOL 120	Modern Biology II	3	6	BIOL 110 Modern Biology I (1070) (C and above)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences, Undeclared SSH	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
66	BIOL 120L	Modern Biology II Laboratory	1	2	BIOL 110 Modern Biology I (1070) (C and above) OR BIOL 110L Modern Biology I Laboratory (5448) (C and above)		BIOL 120 Modern Biology II (1195) (C and above)	2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences, Undeclared SSH	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	

67	BIOL 301	Molecular Cell Biology	3	6	BIOL 120 Modern Biology II (1195) (C and above)			2 year UG SOM Medical Sciences, 3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences	SEDS, SMG, SSH, SoM	
68	BIOL 301L	Molecular Cell Biology Laboratory	1	2	BIOL 120 Modern Biology II (1195) (C and above) OR BIOL 120L Modern Biology II Laboratory (5443) (C and above)	BIOL 301 Molecular Cell Biology (5809) (C and above)		2 year UG SOM Medical Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences	SEDS, SMG, SSH, SoM	
69	BIOL 305	Introduction to Microbiology	3	6	(BIOL 120 Modern Biology II (1195) (C and above) AND BIOL 120L Modern Biology II Laboratory (5443) (C and above)) OR BIOL 120 Modern Biology II (1195) (C and above)			2 year UG SOM Medical Sciences, 3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
70	BIOL 305L	Introduction to Microbiology Laboratory	1	2	BIOL 120 Modern Biology II (1195) (C and above) OR BIOL 120L Modern Biology II Laboratory (5443) (C and above)	BIOL 305 Introduction to Microbiology (5789) (C and above)		2 year UG SOM Medical Sciences, 3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
71	BIOL 310	Immunology	3	6	BIOL 301 Molecular Biology of Cell with Lab (1197) (C and above) OR BIOL 305 Introduction to Microbiology with Lab (1642) (C and above) OR BIOL 301 Molecular Cell Biology (5809) (C and above) OR BIOL 305 Introduction to Microbiology (5789) (C and above)			2 year UG SOM Medical Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	3 year UG SSH Biological Sciences, Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
72	BIOL 320	Developmental Biology	3	6	BIOL 230 Human Anatomy and Physiology I (72) (C and above) OR BIOL 230 Human Anatomy and Physiology I (6217) (C and above)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
73	BIOL 321	Bioethics	3	6	BIOL 120 Modern Biology II (1195) (C and above)			4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation)	Biological Sciences	SEDS, SMG, SSH, SoM	
74	BIOL 331	Human Anatomy and Physiology II	3	6	BIOL 230 Human Anatomy and Physiology I (72) (C and above) OR BIOL 230 Human Anatomy and Physiology I (6217) (C and above)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
75	BIOL 341	Biochemistry I	3	6	CHEM 211 Organic Chemistry I (154) (C and above)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
76	BIOL 355	Critical Research Reasoning	3	6	BIOL 120 Modern Biology II (1195) (C and above)			3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation)	3 year UG SOM Medical Sciences, Biological Sciences	SEDS, SMG, SSH, SoM	
77	BIOL 370	Genetics	3	6	BIOL 120 Modern Biology II (1195) (C and above)			2 year UG SOM Medical Sciences, 3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences	SEDS, SMG, SSH, SoM	
78	BIOL 380	Biology of Behavior	3	6	BIOL 120 Modern Biology II (1195) (C and above)			2 year UG SOM Medical Sciences, 3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences, Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	

79	BIOL 385	Cell signaling: principles and mechanisms	3	6	BIOL 120 Modern Biology II (1195) (C and above)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
80	BIOL 452	Biology of Cancer	3	6	BIOL 231 Human Anatomy and Physiology II (479) (C and above) OR BIOL 301 Molecular Biology of Cell with Lab (1197) (C and above) OR BIOL 331 Human Anatomy and Physiology II (6218) (C and above) OR BIOL 301 Molecular Cell Biology (5809) (C and above)			3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences	SEDS, SMG, SSH, SoM	
81	BIOL 456	Biology Research Design	3	6		BIOL 355 Critical Research Reasoning (1000) (C and above)		4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences, Chemistry, Computer Science, Mathematics, Physics, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
82	BIOL 460	Human Parasitology	3	6	BIOL 305 Introduction to Microbiology with Lab (1642) (C and above) OR BIOL 305 Introduction to Microbiology (5789) (C and above)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
83	BIOL 490	Honors Thesis Research	0	0	BIOL 355 Critical Research Reasoning (1000) (B and above)			Instructor's Permission Required. Registration through Add Course form only!			
Chemistry											
84	CHEM 090	Chemistry for Non-Science majors	3	6				Anthropology, Economics, History, Nursing, Political Science and International Relations, Sociology, Undeclared SSH, World Languages, Literatures and Cultures			
85	CHEM 091	Survey of Physical Science	3	6				Anthropology, Economics, History, Nursing, Political Science and International Relations, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH, World Languages, Literatures and Cultures			
86	CHEM 101	General Chemistry I	3	6				2 year UG SMG, 2 year UG SSH Biological Sciences, 2 year UG SSH Chemistry, SEDS, SMG, SSH, SoM		1 year UG SMG, 1 year UG SSH Biological Sciences, 1 year UG SSH Chemistry	
87	CHEM 101L	General Chemistry I lab	1	2		CHEM 101 General Chemistry I (113) (C and above)		2 year UG SMG, 2 year UG SSH Biological Sciences, 2 year UG SSH Chemistry, SEDS, SMG, SSH, SoM		1 year UG SMG, 1 year UG SSH Biological Sciences, 1 year UG SSH Chemistry	
88	CHEM 211	Organic Chemistry I	3	6	CHEM 102 General Chemistry II (232) (C and above)			5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation), Biological Sciences, Chemistry, SoM		SEDS, SMG, SSH	
89	CHEM 211L	Organic Chemistry I Lab	1	2	CHEM 101L General Chemistry I lab (179) (C and above)	CHEM 211 Organic Chemistry I (154) (C and above)		2 year UG SSH, 3 year UG SSH, 4 year UG SSH, 4 year UG SSH (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation), Chemistry		SEDS, SMG, SSH, SoM	

90	CHEM 212	Organic Chemistry II	3	6	CHEM 211 Organic Chemistry I (154) (C and above) OR CHEM 191 Chemistry I for Engineers (1908) (C and above)		2 year UG SSH, 3 year UG SSH, 4 year UG SSH, Chemistry	SEDS, SMG, SSH, SoM		
91	CHEM 212L	Organic Chemistry II Lab	1	2	CHEM 211L Organic Chemistry I Lab (156) (C and above)	CHEM 212 Organic Chemistry II (443) (C and above) OR CHEM 292 Organic Chemistry for Biologists II (1901) (C and above)	2 year UG SSH, 3 year UG SSH, 4 year UG SSH, Chemistry	SEDS, SMG, SSH, SoM		
92	CHEM 220	Quantitative Chemical Analysis	3	6	CHEM 102 General Chemistry II (232) (C and above)		5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
93	CHEM 220L	Quantitative Chemical Analysis Lab	1	2	CHEM 101L General Chemistry I lab (179) (C and above)	CHEM 220 Quantitative Chemical Analysis (555) (C and above)	5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
94	CHEM 331	Physical Chemistry I	3	6	CHEM 220 Quantitative Chemical Analysis (555) (C and above) AND PHYS 161 Physics I for Scientists and Engineers with Laboratory (116) (C and above)		5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
95	CHEM 331L	Physical Chemistry Lab	1	2		CHEM 331 Physical Chemistry I (634) (C and above)	5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
96	CHEM 341	Biochemistry I	3	6	CHEM 211 Organic Chemistry I (154) (C and above)		5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
97	CHEM 341L	Biochemistry I Lab	1	2	CHEM 212L Organic Chemistry II Lab (444) (C and above)	CHEM 341 Biochemistry I (1058) (C and above)	5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
98	CHEM 350	Advanced Inorganic Chemistry	3	6	CHEM 212 Organic Chemistry II (443) (C and above) AND CHEM 212L Organic Chemistry II Lab (444) (C and above) AND CHEM 250 Descriptive Inorganic Chemistry (445) (C and above)		4 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
99	CHEM 350L	Advanced Inorganic Chemistry Laboratory	1	2	CHEM 212 Organic Chemistry II (443) (C and above) AND CHEM 212L Organic Chemistry II Lab (444) (C and above) AND CHEM 250 Descriptive Inorganic Chemistry (445) (C and above)	CHEM 350 Advanced Inorganic Chemistry (1905) (C and above)	5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
100	CHEM 400	Chemistry Seminar	3	6	CHEM 380 Research Methods (636) (C and above)		5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
101	CHEM 410	Structural Spectroscopy	4	8	CHEM 212 Organic Chemistry II (443) (C and above)		5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
102	CHEM 471	Environmental Chemistry	3	6	CHEM 102 General Chemistry II (232) (C and above)		5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	

Communication and Composition

103	WCS 150	Rhetoric and Composition	3	6			1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH, 2 year UG SOM, 2 year UG SSH Biological Sciences, 3 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SOM, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
104	WCS 200	Introduction to Public Speaking	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		2 year UG SSH, SoM	SEDS, SMG, SSH		
105	WCS 210	Technical and Professional Writing	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		SEDS, SMG	SSH, SoM		
106	WCS 230	Say What you Mean: Clarity, Precision, and Style in Academic Writing	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		2 year UG SEDS, 2 year UG SSH, SoM	SEDS	SMG, SSH	
107	WCS 240	Writing for Digital Media	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		2 year UG SEDS, 2 year UG SSH, SoM	SEDS	SMG, SSH	
108	WCS 250	Advanced Rhetoric and Composition	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		2 year UG SEDS, 2 year UG SSH, 4 year UG SEDS, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH, SoM	SEDS	SMG, SSH	
109	WCS 390	Writing Fellows I - Composition and Collaboration in Theory and Practice	3	6	WCS 150 Rhetoric and Composition (2183) (B and above) AND (WCS 210 Technical and Professional Writing (4881) (B+ and above) OR WCS 220 Science Writing (5686) (B+ and above) OR WCS 230 Say What you Mean: Clarity, Precision, and Style in Academic Writing (3026) (B+ and above) OR WCS 240 Writing for Digital Media (4421) (B+ and above) OR WCS 250 Advanced Rhetoric and Composition (3027) (B+ and above))		3 year UG SEDS, 3 year UG SMG, 3 year UG SOM, 3 year UG SSH	SEDS, SMG, SSH, SoM		
110	WCS 391	Writing Fellows II - Practicum in Composition & Collaboration	3	6	WCS 390 Writing Fellows I - Composition and Collaboration in Theory and Practice (1969) (B and above)		SEDS, SMG, SSH, SoM			
111	WCS 392	Writing Fellows III - Research & Practice in Writing & Peer Mentorship	3	6	WCS 391 Writing Fellows II - Practicum in Composition & Collaboration (3425) (B and above)		SEDS, SMG, SSH, SoM			
112	WCS 393	Internship: Undergraduate Writing Tutor I	3	6	WCS 392 Writing Fellows III - Research & Practice in Writing & Peer Mentorship (4472) (B and above)		SEDS, SMG, SSH, SoM			
Communication and Composition, Languages, Literature and Linguistics										
113	WCS 260/WLL 235	Creative Writing: Introduction to Fiction Writing I	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		2 year UG SSH Anthropology, 2 year UG SSH Economics, 2 year UG SSH History and Culture, 2 year UG SSH Political Sciences and International Relations, 2 year UG SSH Sociology, 2 year UG SSH World Languages, Literatures and Cultures	World Languages, Literatures and Cultures	SEDS, SMG, SSH, SoM	
114	WCS 469/WLL 469	Independent Study in Creative Writing	3	6			Instructor's Permission Required. Registration through Add Course form only!			
115	WLL 462/WCS 462	Creative Nonfiction	3	6	WCS 260/WLL 235 Creative Writing: Introduction to Fiction Writing I (4000) (C and above)		World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	

116	WLL 465/WCS 465	Creative Writing: Autofiction	3	6	WCS 260/WLL 235 Creative Writing: Introduction to Fiction Writing I (4000) (C- and above)			Instructor's Permission Required. Registration through Add Course form only!			
Economics											
117	ECON 101	Introduction to Microeconomics	3	6				5 year UG SSH, Undeclared SSH	SSH	SEDS, SMG, SoM	
118	ECON 102	Introduction to Macroeconomics	3	6				5 year UG SSH, Undeclared SSH	SSH	SEDS, SMG, SoM	
119	ECON 120	Managerial Economics	3	6				SEDS	SMG, SSH, SoM		
120	ECON 201	Intermediate Microeconomics	3	6	ECON 101 Introduction to Microeconomics (379) (B- and above) AND (MATH 161 Calculus I (118) (B- and above) OR MATH 162 Calculus II (170) (B- and above))			Economics	2 year UG SSH Undeclared	SSH	
121	ECON 202	Intermediate Macroeconomics	3	6	ECON 102 Introduction to Macroeconomics (503) (B- and above) AND (MATH 161 Calculus I (118) (B- and above) OR MATH 162 Calculus II (170) (B- and above))			Economics	2 year UG SSH Undeclared	SSH	
122	ECON 211	Economic Statistics	3	6	ECON 101 Introduction to Microeconomics (379) (C and above) OR ECON 102 Introduction to Macroeconomics (503) (C and above)			Economics	2 year UG SSH Undeclared	SSH	
123	ECON 300	Research Assistance in Economics	1	2	ECON 101 Introduction to Microeconomics (379) (C- and above) AND ECON 102 Introduction to Macroeconomics (503) (C- and above)			Instructor's Permission Required. Registration through Add Course form only!			
124	ECON 301	Econometrics I	3	6	ECON 211 Economic Statistics (2280) (C- and above) OR (MATH 321 Probability (482) (C- and above) AND (MATH 322 Mathematical Statistics (1165) (C- and above) OR MATH 310 Applied Statistical Methods (82) (C- and above))			Economics	SSH		
125	ECON 325	International Trade	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			3 year UG SSH Economics, 5 year UG SSH, 6 year UG SSH	4 year UG SSH Economics	SSH	
126	ECON 326	The Economics of Financial Markets	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			3 year UG SSH Economics, 5 year UG SSH, 6 year UG SSH	4 year UG SSH Economics	SSH	
127	ECON 333	Political Economy	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			3 year UG SSH Economics, 5 year UG SSH, 6 year UG SSH	4 year UG SSH Economics	SSH	
128	ECON 335	Economics of Information	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			3 year UG SSH Economics, 5 year UG SSH, 6 year UG SSH	4 year UG SSH Economics	SSH	
129	ECON 402	Advanced Macroeconomics	3	6	ECON 202 Intermediate Macroeconomics (207) (C- and above)			Economics		SSH	
130	ECON 403	Introduction to Contract Theory and Auctions	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above) AND ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	
131	ECON 413	Econometrics II Time Series	3	6	ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	
132	ECON 428	Wages and the Labor Market	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above) AND ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	
133	ECON 433	Econometrics II Panel Data	3	6	ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	

History, Philosophy and Religious Studies

134	HST 100	History of Kazakhstan	3	6				4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SMG, 4 year UG SOM, 4 year UG SSH, 4 year UG SSH (pending graduation), 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SMG, 5 year UG SSH, 5 year UG SSH (pending graduation), 6 year UG SEDS, 6 year UG SSH, 6 year UG SSH (pending graduation)	1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH, 2 year UG SSH Biological Sciences	SEDS, SMG, SSH, SoM	
135	HST 124	Introduction to the History of Medicine	3	6				4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH, History	SEDS, SMG, SSH, SoM		
136	HST 132	European History II (from 1700)	3	6				4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH, History	SEDS, SMG, SSH, SoM		
137	HST 172	Middle Eastern History II (from 1800)	3	6				4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH, History	1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH	SEDS, SMG, SSH, SoM	
138	HST 205	The Mongol Empire	3	6	Subject "HST" BETWEEN 100 and 199 OR Subject "" BETWEEN 100 and 199 OR Subject "" BETWEEN 100 and 199 OR Subject "" BETWEEN 100 and 199			4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH, History	SEDS, SMG, SSH, SoM		
139	HST 232	Russian History from Riurik to Catherine the Great	3	6				4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SMG, 4 year UG SMG (pending graduation), 4 year UG SSH, 4 year UG SSH (pending graduation), 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation), History	SEDS, SMG, SSH, SoM		

140	HST 346	Genocide in Modern History	3	6	REL 110/HST 110 Introduction to World Religions (142) (B and above) OR REL 120 Religion and Science (457) (B and above) OR REL 140 Religion in the Modern World (1623) (B and above) OR REL 160 Lived Religion (1347) (B and above) OR HST 100 History of Kazakhstan (172) (B and above) OR HST 103 Central Asian History I (to 1700) (197) (B and above) OR HST 104 Central Asian History II (1700 - 1991) (1192) (B and above) OR HST 105 Introduction to World Environmental History (4424) (B and above) OR HST 121 World History I (to 1500) (1193) (B and above) OR HST 122 World History II (from 1500) (1162) (B and above) OR HST 123 Introduction to the History of Science and Technology (1376) (B and above) OR HST 124 Introduction to the History of Medicine (3000) (B and above) OR HST 125 History of Magic (5668) (B and above) OR HST 131 European History I (to 1700) (201) (B and above) OR HST 132 European History II (from 1700) (139) (B and above) OR HST 151 US History I (to 1877) (668) (B and above) OR HST 152 US History II (from 1877) (465) (B and above) OR HST 172 Middle Eastern History II (from 1800) (1194) (B and above) OR HST 182 East Asian History II (from 1500) (213) (B and above) OR HST 199 Freshman Seminar (241) (B and above) OR HST 199 Freshman Seminar: Western Intellectual History (1509) (B and above)			4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SMG, 4 year UG SMG (pending graduation), 4 year UG SSH, 4 year UG SSH (pending graduation), 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation), History	SEDS, SMG, SSH, SoM		
141	HST 424	Global Histories	3	6	Subject "HST" BETWEEN 100 and 199 OR Subject "HST" BETWEEN 200 and 299 OR Subject "HST" BETWEEN 300 and 399 OR Subject "HST" BETWEEN 400 and 499			4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation), History	SEDS, SMG, SSH, SoM		
142	HST 498	Directed Reading	3	6				Instructor's Permission Required. Registration through Add Course form only!			
143	PHIL 101	Introduction to Philosophy	3	6				SEDS, SMG, SSH, SoM			
144	PHIL 141	Critical Thinking	3	6				SEDS, SMG, SSH, SoM			
145	PHIL 160	Philosophy of Religion	3	6				SEDS, SMG, SSH, SoM			
146	PHIL 210	Ethics	3	6				3 year UG SOM Medical Sciences, 4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SMG, 4 year UG SOM, 4 year UG SSH, 4 year UG SSH (pending graduation), 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SMG, 5 year UG SSH, 5 year UG SSH (pending graduation), 6 year UG SEDS, 6 year UG SSH	2 year UG SEDS, 2 year UG SMG, 2 year UG SSH Biological Sciences, 3 year UG SEDS, 3 year UG SMG	SEDS, SMG, SSH, SoM	
147	PHIL 223	Philosophy of Science	3	6				SEDS, SMG, SSH, SoM			
148	PHIL 225	Truth and Reality	3	6				SEDS, SMG, SSH, SoM			

149	PHIL 315	Philosophy of Agency	3	6				SEDS, SMG, SSH, SoM		
History, Philosophy and Religious Studies, Kazakh Language and Turkic Studies										
150	HST 271/TUR 271	History of the Ottoman Empire	3	6	HST 100 History of Kazakhstan (172) (C- and above)			Instructor's Permission Required. Registration through Add Course form only!		
History, Philosophy and Religious Studies, Languages, Literature and Linguistics										
151	HST 274/WLL 274	Texts and Contexts	3	6				History, World Languages, Literatures and Cultures		SSH
152	WLL 102 /PHIL 102	Language, Experience, Culture	3	6				2 year UG SSH World Languages, Literatures and Cultures, Undeclared SSH	World Languages, Literatures and Cultures	SEDS, SMG, SSH, SoM
Kazakh Language and Turkic Studies										
153	KAZ 001	Kazakh Language Placement Test	0	0						
154	KAZ 201	Academic Kazakh I	3	6	KAZ 150 Basic Kazakh (1215) (C- and above) OR KLL "[B1.2] Intermediate"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
155	KAZ 202	Academic Kazakh II	3	6	KAZ 201 Academic Kazakh I (4561) (C- and above) OR KLL "[B2.2] Upper-Interm."			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
156	KAZ 212	Academic Writing in Kazakh	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"		KAZ 211 Academic Speaking in Kazakh (702) (C- and above)	1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
157	KAZ 313	Kazakh for Business	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
158	KAZ 351	Kazakh Short Stories	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
159	KAZ 353	Kazakh Poetry	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM		
160	KAZ 356	Kazakh Music History	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
161	KAZ 357	Literature of Alash	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
162	KAZ 359	Professional Kazakh for Medicine	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM		
163	KAZ 362	Creative Writing in Kazakh Language	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
164	KAZ 363	Language and Globalization	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
165	KAZ 364	Kazakh for Civil Service	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
166	KAZ 371	Contemporary Kazakh Literature	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	

167	KAZ 373	Kazakh Terminology	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
168	KAZ 374	Kazakh Diplomacy	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
169	KAZ 376	Language and Culture	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
170	KAZ 377	Intercultural Communication through Film	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
171	KAZ 410	Kazakh literature of the XV-XIX centuries	3	6	Subject "KAZ" BETWEEN 300 and 399 OR Subject "KAZ" BETWEEN 300 and 399			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
172	KFL 101	Elementary Kazakh as a Foreign Language I	4	8				Instructor's Permission Required. Registration through Add Course form only!			
173	TUR 100	Languages, Cultures, and Communities of the Turkic World	3	6				SEDS, SMG, SSH, SoM			
174	TUR 230	Literatures of Central Asia	3	6				SEDS, SMG, SSH, SoM			
175	TUR 231	Istanbul in Literature and Culture	3	6				SEDS, SMG, SSH, SoM			
176	TUR 301	Introduction to Old Turkic	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
177	TUR 411	Advanced Readings in Turkish Literature	3	6				SEDS, SMG, SSH, SoM			
178	TUR 451	The Turkish Novel	3	6				SEDS, SMG, SSH, SoM			
Languages, Literature and Linguistics											
179	CHN 102	Beginning Mandarin II	4	8	CHN 101 Beginning Mandarin I (1384) (C and above)			SSH	SEDS, SMG, SoM		
180	CHN 202	Intermediate Mandarin II	4	8	CHN 201 Intermediate Mandarin I (2181) (C and above)			SSH	SEDS, SMG, SoM		
181	FRE 102	Beginning French II	4	8	FRE 101 Beginning French I (246) (C-and above)			SSH	SEDS, SMG, SoM		
182	FRE 201	Intermediate French I	4	8	FRE 102 Beginning French II (454) (C-and above)			SSH	SEDS, SMG, SoM		
183	FRE 202	Intermediate French II	4	8	FRE 201 Intermediate French I (667) (C-and above)			SSH	SEDS, SMG, SoM		
184	KOR 101	Beginning Korean I	4	8				2 year UG SSH World Languages, Literatures and Cultures, Undeclared SSH	3 year UG SSH World Languages, Literatures and Cultures	2 year UG SSH, 3 year UG SSH	
185	KOR 201	Intermediate Korean I	4	8	KOR 102 Beginning Korean II (4791) (C-and above)			SSH	SEDS, SMG, SoM		
186	KOR 301	Advanced Korean I	4	8	KOR 202 Intermediate Korean II (5060) (C- and above)			SSH	SEDS, SMG, SoM		
187	LING 131	Introduction to Linguistics	3	6				2 year UG SSH World Languages, Literatures and Cultures, Undeclared SSH	World Languages, Literatures and Cultures	SEDS, SMG, SSH, SoM	
188	LING 277	Language Diversity and Language Universals	3	6	LING 131 Introduction to Linguistics (1394) (C and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
189	LING 278	Sounds of the World's Languages	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	

190	LING 372	Discourse Analysis	3	6	Subject "LLL" BETWEEN 100 and 199 OR Subject "WLL" BETWEEN 100 and 199 OR WLL 171/ANT 175 Introduction to Linguistic Anthropology (4417) (C- and above) OR Subject "LING" BETWEEN 100 and 199 OR Subject "LING" BETWEEN 100 and 199			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
191	LING 374	Language Contact in Central Asia	3	6	LING 131 Introduction to Linguistics (1394) (C- and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
192	LING 473	Advanced Empirical Methods in Linguistics	3	6	LING 131 Introduction to Linguistics (1394) (C and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
193	PER 101	Beginning Persian I	4	8				2 year UG SSH World Languages, Literatures and Cultures, Undeclared SSH	3 year UG SSH World Languages, Literatures and Cultures	2 year UG SSH, 3 year UG SSH	
194	RFL 103	Beginning Russian	4	8							
195	RFL 156	Kazakhstan - history, culture, traditions, society, modernity	6	3							
196	RFL 203	Intermediate Russian	4	8							
197	RFL 211	East in Soviet Russian-language culture: origin and fate	3	6							
198	RFL 303	Advanced Russian	4	8							
199	RFL 415	Social Problems and Issues of Eurasia	6	3							
200	RFL 469	International relations of Eurasia	3	6							
201	SPA 101	Beginning Spanish I	4	8				2 year UG SSH World Languages, Literatures and Cultures, SEDS, SMG, SSH, SoM, Undeclared SSH	2 year UG SSH, 3 year UG SSH		
202	SPA 201	Intermediate Spanish I	4	8	SPA 102 Beginning Spanish II (1128) (C- and above)			SSH	SEDS, SMG, SoM		
203	WLL 110	Introduction to Literary Studies	3	6				2 year UG SSH World Languages, Literatures and Cultures, Undeclared SSH	World Languages, Literatures and Cultures	SEDS, SMG, SSH, SoM	
204	WLL 201	World Literature I	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
205	WLL 244	Survey of Nineteenth-Century Russian Literature	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
206	WLL 246	Survey of Contemporary Russian Literature and Culture	3	6	Subject "WLL" BETWEEN 100 and 199 OR WCS 150 Rhetoric and Composition (2183) (C- and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
207	WLL 250	From Page to Screen	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
208	WLL 261	Survey of American Literature	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
209	WLL 333	Literary Modernism: Tradition and Innovation	3	6	Subject "WLL" BETWEEN 200 and 299			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
210	WLL 450	Laughter	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	

211	WLL 451	The Call of the Evil: Unmasking the Villain(ness) in Popular Culture and Literature	3	6	WLL 201 World Literature I (686) (C+ and above) OR WLL 209 Introduction to Translation Studies (2178) (C+ and above) OR WLL 210 Migrants, Nomads and Exiles (217) (C+ and above) OR WLL 211 World Literature II: from the 18th to the 20th century (492) (C+ and above) OR WLL 212 Introduction to Poetry (2167) (C+ and above) OR WLL 213/SPA 211 Introduction to the Hispanic World (1030) (C+ and above) OR WLL 218 Renaissance in Italy and Beyond (6573) (C+ and above) OR WLL 219 Myth and Adaptation (2489) (C+ and above) OR WLL 220 Ancient World Literature (to 1650) (218) (C+ and above) OR WLL 221 Creative Writing/Theatre (245) (C+ and above) OR WLL 222 Acting: Praxis, Theory and History (3336) (C+ and above) OR WLL 231 Beginning and Intermediate Playwriting (1625) (C+ and above) OR WLL 240 Introduction to the Novel (687) (C+ and above) OR WLL 241 Survey of Folk Tales (466) (C+ and above) OR WLL 243 Western Theatre, Literature and History From Ancient Greece to 1800 (1082) (C+ and above) OR WLL 244 Survey of Nineteenth-Century Russian Literature (1395) (C+ and above) OR WLL 349 Terrible Perfection: Women in 19th-Century Russian Literature (2488) (C+ and above) OR WLL 246 Survey of Contemporary Russian Literature and Culture (3604) (C+ and above) OR WLL 247 Survey of East Asian Literature (1382) (C+ and above) OR WLL 248 Survey of Soviet Literature and Culture (3842) (C+ and above) OR WLL 250 From Page to Screen (472) (C+ and above) OR WLL 251 Hong Kong Cinema (3337) (C+ and above) OR WLL 253 Western Theatre Literature and History: 1800-Present (1396) (C+ and above) OR WLL 254/SPA 254 Superstition, Magical Realism, and Horror in Hispanic Culture (1851) (C+ and above) OR WLL 255 The Comic Book in Japan and America (1849) (C+ and above) OR WLL 257 Fan Culture in the Age of Convergence (2487) (C+ and above) OR WLL 291 Theatre Practicum (2168) (C+ and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
212	WLL 498	Languages, Linguistics, and Literatures Capstone I	3	6				Instructor's Permission Required. Registration through Add Course form only!			

Languages, Literature and Linguistics, Sociology and Anthropology

213	ANT 385/WLL 385	Postcolonial Theory and its Applications in Eurasia	3	6	ANT 110 Introduction to Sociocultural Anthropology (501) (C- and above) OR SOC 101 Introduction to Sociology (508) (C- and above) OR WLL 121 Introduction to Cultural Studies (243) (C- and above) OR WLL 102 /PHIL 102 Language, Experience, Culture (2481) (C- and above)			5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
Mathematics											
214	MATH 161	Calculus I	4	8				Biological Sciences, Chemistry, Mathematics, Physics, SEDS, SMG	SSH, SoM		
215	MATH 162	Calculus II	4	8	MATH 161 Calculus I (118) (C and above)			5 year UG SSH, Chemistry, Mathematics, Physics, SEDS, SMG	Undeclared SSH	SSH, SoM	
216	MATH 251	Discrete Mathematics	3	6	MATH 161 Calculus I (118) (C and above)			Computer Science, Mathematics	SEDS, SMG, SSH, SoM		
217	MATH 263	Calculus III	4	8	MATH 162 Calculus II (170) (C and above)			Mathematics, Physics	SEDS, SMG, SSH, SoM		
218	MATH 273	Linear Algebra with Applications	4	8	MATH 161 Calculus I (118) (C and above)	MATH 162 Calculus II (170) (C and above)		Computer Science, Mathematics, Physics, Robotics Engineering, Robotics and Mechatronics	SEDS, SMG, SSH, SoM		
219	MATH 274	Introduction to Differential Equations	3	6	MATH 162 Calculus II (170) (C and above)			Mathematics, Physics	Chemistry, Robotics Engineering, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
220	MATH 301	Introduction to Number Theory	3	6	MATH 273 Linear Algebra with Applications (84) (C and above) AND MATH 251 Discrete Mathematics (85) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
221	MATH 302	Abstract Algebra I	3	6	MATH 273 Linear Algebra with Applications (84) (C and above) AND MATH 251 Discrete Mathematics (85) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
222	MATH 310	Applied Statistical Methods	3	6	MATH 161 Calculus I (118) (C and above)	MATH 321 Probability (482) (C and above)		Biological Sciences	2 year UG SMG Mining Engineering, 2 year UG SMG Petroleum Engineering	SEDS, SMG, SSH, SoM	
223	MATH 321	Probability	3	6	MATH 162 Calculus II (170) (C and above)		ECON 211 Economic Statistics (2280) (C- and above) OR PLS 211 Quantitative Methods (221) (C- and above)	Mathematics, Robotics Engineering, Robotics and Mechatronics	Computer Science	SEDS, SMG, SSH, SoM	
224	MATH 322	Mathematical Statistics	3	6	MATH 321 Probability (482) (C and above) OR ECON 211 Economic Statistics (2280) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
225	MATH 351	Numerical Methods with Applications	3	6	MATH 274 Introduction to Differential Equations (484) (C and above) AND MATH 263 Calculus III (81) (C and above)		ENG 202 Numerical Methods in Engineering (5506) (C and above)	Mathematics	SEDS, SMG, SSH, SoM		
226	MATH 361	Real Analysis I	3	6	MATH 263 Calculus III (81) (C and above) AND MATH 251 Discrete Mathematics (85) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		

227	MATH 371	Introduction to Mathematical Biology	3	6	MATH 273 Linear Algebra with Applications (84) (C and above) AND MATH 274 Introduction to Differential Equations (484) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
228	MATH 424	Mathematical Finance	3	6	MATH 321 Probability (482) (C and above) OR ECON 211 Economic Statistics (2280) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
229	MATH 425	Stochastic Processes	3	6	MATH 321 Probability (482) (C and above) OR ECON 211 Economic Statistics (2280) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
230	MATH 446	Time Series Analysis	3	6	MATH 322 Mathematical Statistics (1165) (C and above)						
231	MATH 449	Statistical Programming	3	6	MATH 322 Mathematical Statistics (1165) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
232	MATH 471	Nonlinear Differential Equations	3	6	MATH 273 Linear Algebra with Applications (84) (C and above) AND MATH 274 Introduction to Differential Equations (484) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
233	MATH 477	Applied Finite Element Methods	3	6	MATH 351 Numerical Methods with Applications (1166) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
234	MATH 480	Complex Analysis	3	6	MATH 263 Calculus III (81) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
235	MATH 481	Partial Differential Equations	3	6	MATH 274 Introduction to Differential Equations (484) (C and above)	MATH 480 Complex Analysis (618) (C and above)		Mathematics	SEDS, SMG, SSH, SoM		
Physics											
236	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)		SEDS, SMG, SSH, SoM		
237	PHYS 201	Introductory Astronomy I	3	6				5 year UG SEDS, 5 year UG SSH, Physics	SEDS, SMG, SSH, SoM		
238	PHYS 221	Classical Mechanics I	3	6	(PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above) OR PHYS 172 Physics II for Physics Majors with Laboratory (1402) (C- and above)) AND MATH 273 Linear Algebra with Applications (84) (C- and above)			Physics	SEDS, SMG, SSH		
239	PHYS 261	Modern Physics with laboratory	4	8	MATH 162 Calculus II (170) (C- and above) AND (PHYS 152 Introductory Physics II with Lab (1176) (C- and above) OR PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above) OR PHYS 172 Physics II for Physics Majors with Laboratory (1402) (C- and above))			Physics	SEDS, SMG, SSH		
240	PHYS 291	Introduction to Quantum Technologies	3	6				5 year UG SEDS, 5 year UG SSH, Physics	SEDS, SMG, SSH, SoM		

241	PHYS 315	Mathematical Methods of Physics	3	6	(PHYS 172 Physics II for Physics Majors with Laboratory (1402) (C- and above) OR PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above) AND MATH 274 Introduction to Differential Equations (484) (C- and above)		Physics	SEDS, SMG, SSH		
242	PHYS 361	Classical Electrodynamics I	3	6		PHYS 315 Mathematical Methods of Physics (653) (D and above) OR PHYS 411 Advanced Mathematical Physics (3142) (D and above)	Physics	SEDS, SMG, SSH		
243	PHYS 395	Research Methods	3	6			Physics			
244	PHYS 452	Quantum Mechanics II	3	6	PHYS 451 Quantum Mechanics I (1415) (C- and above)		Physics			
245	PHYS 463	Astrophysics and General Relativity	3	6	MATH 162 Calculus II (170) (C- and above) AND PHYS 221 Classical Mechanics I (652) (C- and above) AND MATH 274 Introduction to Differential Equations (484) (C- and above)		Physics	SEDS, SMG, SSH, SoM		
246	PHYS 473	Introduction to Solid State Physics	4	8	PHYS 261 Modern Physics with laboratory (125) (C- and above) OR CHEM 331 Physical Chemistry I (634) (C- and above) OR MAE 301 Engineering Thermodynamics (5927) (C- and above) OR CHME 201 Chemical Engineering Thermodynamics (5007) (C- and above) OR ELCE 204 Solid State Devices (5508) (C- and above)		Physics	SEDS, SMG, SSH, SoM		
247	PHYS 498	Honors Thesis Research	0	0			Instructor's Permission Required. Registration through Add Course form only!			
Political Science and International Relations										
248	PLS 100	Introduction to the Politics of Central Asia	3	6			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Biological Sciences, Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
249	PLS 101	Introduction to Political Science	3	6			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Biological Sciences, Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
250	PLS 102	The Political Challenges of Technologies and Science: An Introduction	3	6			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Biological Sciences, Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
251	PLS 120	Introduction to Political Theory	3	6			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Undeclared SEDS, Undeclared SMG, Undeclared SSH	SEDS, SMG, SSH, SoM	
252	PLS 140	Introduction to Comparative Politics	3	6			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Undeclared SEDS, Undeclared SMG, Undeclared SSH	SEDS, SMG, SSH, SoM	
253	PLS 150	Introduction to International Relations	3	6			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Undeclared SEDS, Undeclared SMG, Undeclared SSH	SEDS, SMG, SSH, SoM	

254	PLS 210	Political Science Research Methods	3	6			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations		SEDS, SMG, SSH, SoM	
255	PLS 211	Quantitative Methods	3	6		ECON 211 Economic Statistics (2280) (C- and above)	5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
256	PLS 320	Feminist Political Theory	3	6	PLS 120 Introduction to Political Theory (512) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)		5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
257	PLS 330	Politics and Governance of Eurasia	3	6	PLS 210 Political Science Research Methods (129) (C- and above)		5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
258	PLS 341	Politics of Development	3	6	PLS 210 Political Science Research Methods (129) (C- and above)		5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
259	PLS 342	Political Corruption	3	6	PLS 210 Political Science Research Methods (129) (C- and above)		5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
260	PLS 354	Introduction to International Law	3	6	PLS 150 Introduction to International Relations (511) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)		5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
261	PLS 370	Law, Politics and Society	3	6	PLS 210 Political Science Research Methods (129) (C- and above)		5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
262	PLS 391	Intermediate Special Topics in Comparative Politics	3	6	PLS 210 Political Science Research Methods (129) (C- and above)		5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
263	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!			
264	PLS 416	Experimental Political Science	3	6	PLS 210 Political Science Research Methods (129) (C- and above) AND PLS 211 Quantitative Methods (221) (C- and above)		5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
265	PLS 422	Just War Theory	3	6	PLS 120 Introduction to Political Theory (512) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)		5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
266	PLS 423	Immigration Theory	3	6			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
267	PLS 431	Politics and Governance of the Russian Federation	3	6	PLS 210 Political Science Research Methods (129) (C- and above)		5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		

268	PLS 441	Advanced Topics in Comparative Politics	3	6	PLS 140 Introduction to Comparative Politics (223) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
269	PLS 448	Comparative Electoral System	3	6	PLS 140 Introduction to Comparative Politics (223) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
270	PLS 457	International Security and Conflict	3	6	PLS 150 Introduction to International Relations (511) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above) AND PLS 211 Quantitative Methods (221) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
271	PLS 458	International Organization	3	6	PLS 150 Introduction to International Relations (511) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
272	PLS 459	International Conflict Processes	3	6	PLS 150 Introduction to International Relations (511) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above) OR PLS 211 Quantitative Methods (221) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
273	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!			
SSH											
274	SSH 300	School of Sciences and Humanities Internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
275	SSH 301	School of Sciences and Humanities Internship: Second Experience	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Sociology and Anthropology											
276	ANT 101	Being Human: An Introduction to Four Field Anthropology	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
277	ANT 140	World Prehistory	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
278	ANT 204	Capitalism in Crisis	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
279	ANT 233	Cavemen, Mammoths, and Sabertooths: Stone Age Archaeology in Eurasia	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
280	ANT 240	Laboratory Methods in Archaeology	3	6				Anthropology		SEDS, SMG, SSH, SoM	
281	ANT 306	Anthropology of Performance	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	

282	ANT 314	Politics of Identity in Eurasia	3	6	Subject "HST" BETWEEN 100 and 499 OR Subject "SOC" BETWEEN 100 and 499 OR Subject "ANT" BETWEEN 100 and 499 OR Subject "PLS" BETWEEN 100 and 499 OR Subject "SOC" BETWEEN 100 and 499 OR Subject "ANT" BETWEEN 100 and 499		5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
283	ANT 333	Anthropology of Space	3	6			5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
284	ANT 400	Research Assistance in Anthropology	1	2			Instructor's Permission Required. Registration through Add Course form only!			
285	ANT 401	Research Assistance in Anthropology	1	2						
286	ANT 421	Sport and Construction of Identity	3	6			3 year UG SSH Anthropology, 4 year UG SSH Anthropology	Anthropology, Sociology	SEDS, SMG, SSH, SoM	
287	ANT 481	Anthropology of Entrepreneurship	3	6	ANT 110 Introduction to Sociocultural Anthropology (501) (C- and above)		3 year UG SSH Anthropology, 4 year UG SSH Anthropology	Anthropology, Sociology	SEDS, SMG, SSH, SoM	
288	ANT 498	Capstone Seminar I	3	6			Instructor's Permission Required. Registration through Add Course form only!			
289	SOC 101	Introduction to Sociology	3	6			5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
290	SOC 201	Social Science Research Methods	3	6			3 year UG SSH Anthropology, 3 year UG SSH Sociology, 4 year UG SSH Anthropology, 4 year UG SSH Sociology	Anthropology, Sociology		
291	SOC 203	Quantitative Methods in Sociology	3	6			4 year UG SSH Sociology	Anthropology, Sociology		
292	SOC 210	Gender and Society	3	6			5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
293	SOC 215	Sociology of Race and Ethnicity	3	6			5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
294	SOC 217	Sociology of the Family	3	6			5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
295	SOC 301	Classical Sociological Theory	3	6	SOC 101 Introduction to Sociology (508) (C- and above) OR SOC 115 Global Social Problems (1032) (C- and above) OR ANT 110 Introduction to Sociocultural Anthropology (501) (C- and above)		4 year UG SSH Sociology	Sociology		
296	SOC 310	Social Inequality	3	6	SOC 101 Introduction to Sociology (508) (C- and above) OR SOC 115 Global Social Problems (1032) (C- and above)		5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
297	SOC 401	Research Assistance in Sociology	1	2			Instructor's Permission Required. Registration through Add Course form only!			

298	SOC 410	Violence against women: An Intersectional Approach	3	6	Subject "SOC" BETWEEN 200 and 299 OR Subject "SOC" BETWEEN 200 and 299 OR Subject "SOC" BETWEEN 300 and 399 OR Subject "SOC" BETWEEN 300 and 399			4 year UG SSH Sociology	Anthropology, Sociology		
299	SOC 411	Citizenship in Eurasia: Political Sociology of Civic Belonging	3	6	SOC 101 Introduction to Sociology (508) (C- and above) OR SOC 115 Global Social Problems (1032) (C- and above) OR SOC 180 Introducing Kazakhstan: from the Past to the Future (5063) (C- and above) OR SOC 201 Social Science Research Methods (1341) (C- and above) OR SOC 301 Classical Sociological Theory (683) (C- and above)			4 year UG SSH Sociology	Anthropology, Sociology	SEDS, SMG, SSH, SoM	
300	SOC 415	Social Problems and Issues in Eurasia	3	6				4 year UG SSH Sociology	Anthropology, Sociology	SEDS, SMG, SSH, SoM	
301	SOC 420	Applied Policy Analysis: Tools and Perspectives	3	6	SOC 101 Introduction to Sociology (508) (C and above)			4 year UG SSH Sociology	Anthropology, Sociology	SEDS, SMG, SSH, SoM	
302	SOC 498	Capstone Seminar Part I	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Sociology and Anthropology, Sociology and Anthropology											
303	ANT 214/SOC 214	Qualitative Methods	3	6				4 year UG SSH Sociology	Anthropology, Sociology		
304	ANT 386/SOC 386	Social Challenges of Climate Change	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
SEDS											
Chemical and Materials Engineering											
305	CHME 200	Basic Principles and Calculations in Chemical Engineering	3	6				2 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
306	CHME 201	Chemical Engineering Thermodynamics	3	6				2 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
307	CHME 222	Inorganic and Analytical Chemistry	3	6				2 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
308	CHME 300	Heat and Mass Transfer	3	6				3 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
309	CHME 301	Applied Mathematics for Process Design	3	6				3 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
310	CHME 302	Instrumental Methods of Analysis for Engineers	3	6				3 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
311	CHME 351	Environment and Development	3	6				3 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
312	CHME 353	Electrochemical Engineering	3	6				3 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
313	CHME 400	Process Design and Simulation	3	6	CHME 300 Heat and Mass Transfer (5952) (D and above) AND CHME 304 Chemical Reaction Engineering (6168) (D and above)			4 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
314	CHME 401	Chemical Engineering Lab II	3	6				4 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
315	CHME 453	Multiphase Systems	3	6	CHME 202 Fluid Mechanics (5543) (D and above)			4 year UG SEDS Chemical and Materials Engineering	Chemical and Materials Engineering		
Civil and Environmental Engineering											

316	CEE 200	Structural Mechanics I	3	6				2 year UG SEDS Civil and Environmental Engineering, 2 year UG SEDS Mechanical and Aerospace Engineering	Civil and Environmental Engineering, Mechanical and Aerospace Engineering	SMG	
317	CEE 201	Environmental Chemistry	3	6				2 year UG SEDS Civil and Environmental Engineering, 2 year UG SEDS Mechanical and Aerospace Engineering	Civil and Environmental Engineering, Mechanical and Aerospace Engineering		
318	CEE 204	Civil Engineering CAD and Surveying	3	6				2 year UG SEDS Civil and Environmental Engineering, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 6 year UG SEDS, 6 year UG SEDS (pending graduation)	Civil and Environmental Engineering		
319	CEE 300	Structural Design - Concrete	3	6	CEE 203 Structural Analysis (5500) (D and above)			3 year UG SEDS Civil and Environmental Engineering, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 6 year UG SEDS, 6 year UG SEDS (pending graduation)	Civil and Environmental Engineering		
320	CEE 302	Geotechnical Engineering	3	6				3 year UG SEDS Civil and Environmental Engineering	Civil and Environmental Engineering		
321	CEE 304	Fluid Mechanics	3	6				3 year UG SEDS Civil and Environmental Engineering	Civil and Environmental Engineering		
322	CEE 306	Civil Engineering Materials	3	6	ENG 102 Engineering Materials I (4708) (D and above)			3 year UG SEDS Civil and Environmental Engineering	Civil and Environmental Engineering		
323	CEE 401	Construction Technology and Management	3	6	CEE 306 Civil Engineering Materials (5897) (D and above)			4 year UG SEDS Civil and Environmental Engineering	Civil and Environmental Engineering		
324	CEE 450	Behavior and Design of Structural System	3	6	CEE 300 Structural Design - Concrete (5895) (D and above) AND CEE 301 Structural Design - Steel (6157) (D and above)			4 year UG SEDS Civil and Environmental Engineering, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 6 year UG SEDS, 6 year UG SEDS (pending graduation)	Civil and Environmental Engineering		
325	CEE 460	Water Supply and Distribution Management	3	6	CEE 305 Hydraulics and Hydrology (6177) (D and above)			4 year UG SEDS Civil and Environmental Engineering	Civil and Environmental Engineering		
326	CEE 462	Pavement Design and Performance	3	6	CEE 306 Civil Engineering Materials (5897) (D and above) AND CEE 303 Geotechnical Design (6158) (D and above)			4 year UG SEDS Civil and Environmental Engineering	1 year UG SEDS Civil and Environmental Engineering, 2 year UG SEDS Civil and Environmental Engineering, 3 year UG SEDS Civil and Environmental Engineering, 5 year UG SEDS Civil and Environmental Engineering		

327	CEE 465	Structure and Properties of Concrete Materials	3	6	CEE 306 Civil Engineering Materials (5897) (D and above)			4 year UG SEDS Civil and Environmental Engineering, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 6 year UG SEDS, 6 year UG SEDS (pending graduation)	Civil and Environmental Engineering		
328	CEE 467	Building Information Modelling for Geotechnical Engineering	3	6	CEE 303 Geotechnical Design (6158) (D and above)			4 year UG SEDS Civil and Environmental Engineering, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 6 year UG SEDS, 6 year UG SEDS (pending graduation)			
Computer Science											
329	CSCI 111	Web Programming and Problem Solving	3	6				CSCI 101 Introduction to Computational Sciences (147) (D and above) OR CSCI 115 Programming Fundamentals (5257) (D and above) OR CSCI 151 Programming for Scientists and Engineers (192) (D and above) OR ENG 101 Programming for Engineers (4517) (D and above)	SSH		
330	CSCI 115	Programming Fundamentals	4	8				CSCI 101 Introduction to Computational Sciences (147) (D and above) OR CSCI 111 Web Programming and Problem Solving (110) (D and above) OR CSCI 151 Programming for Scientists and Engineers (192) (D and above) OR ENG 101 Programming for Engineers (4517) (D and above)	Biological Sciences, Chemistry, Mathematics, SoM	SSH	

331	CSCI 151	Programming for Scientists and Engineers	4	8			CSCI 111 Web Programming and Problem Solving (110) (D and above) OR CSCI 115 Programming Fundamentals (5257) (D and above) OR ENG 101 Programming for Engineers (4517) (B- and above)	Computer Science, Robotics Engineering, Robotics and Mechatronics	1 year UG SSH Physics, Undeclared SEDS	SEDS, SMG, SSH	
332	CSCI 231	Computer Systems and Organization	3	6	CSCI 151 Programming for Scientists and Engineers (192) (C- and above) OR ENG 100 Introduction to Engineering (4518) (B- and above)			Computer Science			
333	CSCI 235	Programming Languages	4	8	CSCI 152 Performance and Data Structures (489) (C- and above)			Computer Science			
334	CSCI 281	Human-Computer Interaction	3	6	CSCI 152 Performance and Data Structures (489) (C- and above)			Computer Science			
335	CSCI 299	Internship I	3	6				Instructor's Permission Required. Registration through Add Course form only!			
336	CSCI 325	Introduction to Parallel Systems and Graphics Processing Unit Programming	3	6	CSCI 332 Operating Systems (490) (C- and above)			Computer Science			
337	CSCI 341	Database Systems	3	6	CSCI 152 Performance and Data Structures (489) (C- and above)			3 year UG SEDS Computer Science, 4 year UG SEDS Computer Science, 5 year UG SEDS Computer Science	1 year UG SEDS Computer Science, 2 year UG SEDS Computer Science		
338	CSCI 344	Data Mining and Decision Support	3	6	CSCI 341 Database Systems (195) (C- and above) AND MATH 273 Linear Algebra with Applications (84) (C- and above)			3 year UG SEDS Computer Science, 4 year UG SEDS Computer Science, 5 year UG SEDS Computer Science	1 year UG SEDS Computer Science, 2 year UG SEDS Computer Science		
339	CSCI 355	Compiler Construction	3	6	CSCI 235 Programming Languages (638) (C and above) AND CSCI 272 Formal Languages (4689) (C and above)			3 year UG SEDS Computer Science, 4 year UG SEDS Computer Science, 5 year UG SEDS Computer Science	1 year UG SEDS Computer Science, 2 year UG SEDS Computer Science		
340	CSCI 361	Software Engineering	3	6	CSCI 152 Performance and Data Structures (489) (C- and above)			3 year UG SEDS Computer Science, 4 year UG SEDS Computer Science, 5 year UG SEDS Computer Science	1 year UG SEDS Computer Science, 2 year UG SEDS Computer Science		
341	CSCI 390	Artificial Intelligence	3	6	CSCI 152 Performance and Data Structures (489) (C- and above)			3 year UG SEDS Computer Science, 4 year UG SEDS Computer Science, 5 year UG SEDS Computer Science	1 year UG SEDS Computer Science, 2 year UG SEDS Computer Science		
342	CSCI 399	Internship II	3	6				Instructor's Permission Required. Registration through Add Course form only!			
343	CSCI 399F	Internship II - F	6	12				Instructor's Permission Required. Registration through Add Course form only!			
344	CSCI 408	Senior Project I	3	6				4 year UG SEDS Computer Science			

345	CSCI 434	Information Security	3	6		CSCI 333 Computer Networks (1145) (D and above)		3 year UG SEDS Computer Science, 4 year UG SEDS Computer Science, 5 year UG SEDS Computer Science	1 year UG SEDS Computer Science, 2 year UG SEDS Computer Science		
346	CSCI 437	Internet of Things: Technologies and Applications	3	6	CSCI 333 Computer Networks (1145) (C- and above) AND ROBT 206 Microcontrollers with Lab (476) (C- and above)			3 year UG SEDS Computer Science, 4 year UG SEDS Computer Science, 5 year UG SEDS Computer Science	1 year UG SEDS Computer Science, 2 year UG SEDS Computer Science		
347	CSCI 471	Complexity and Computability	3	6	MATH 251 Discrete Mathematics (85) (C- and above)			3 year UG SEDS Computer Science, 4 year UG SEDS Computer Science, 5 year UG SEDS Computer Science	1 year UG SEDS Computer Science, 2 year UG SEDS Computer Science		
348	CSCI 494	Deep Learning	3	6	CSCI 390 Artificial Intelligence (643) (C and above) AND MATH 273 Linear Algebra with Applications (84) (C and above)			3 year UG SEDS Computer Science, 4 year UG SEDS Computer Science, 5 year UG SEDS Computer Science	1 year UG SEDS Computer Science, 2 year UG SEDS Computer Science		
Electrical and Computer Engineering											
349	ELCE 200	Introduction to Electrical Circuits	3	6	MATH 162 Calculus II (170) (C- and above) AND PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above)			2 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
350	ELCE 203	Signals and Systems	3	6	MATH 162 Calculus II (170) (C- and above) AND PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above)			2 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
351	ELCE 203L	Signals and Systems Laboratory	1	2		ELCE 203 Signals and Systems (4993) (D and above)		2 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
352	ELCE 204	Solid State Devices	3	6	ENG 103 Engineering Materials II (4818) (C- and above)	ELCE 204L Solid State Devices Laboratory (7769) (D and above)		3 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
353	ELCE 205	Discrete Mathematics	3	6	MATH 162 Calculus II (170) (C- and above)			2 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
354	ELCE 301	Electronic Circuits	3	6	ELCE 201 Circuit Theory (5507) (C- and above)			3 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
355	ELCE 301L	Electronic Circuits Laboratory	1	2	ELCE 201L Circuit Theory Laboratory (6179) (C- and above)	ELCE 301 Electronic Circuits (5918) (C- and above)		3 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
356	ELCE 304	Computer Networks	3	6	ENG 101 Programming for Engineers (4517) (C- and above)			3 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
357	ELCE 304L	Computer Networks Laboratory	1	2		ELCE 304 Computer Networks (5920) (D and above)		3 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
358	ELCE 306	Linear Control Theory	3	6	ELCE 203 Signals and Systems (4993) (C- and above)			3 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
359	ELCE 307	Digital Signal Processing	3	6	ELCE 203 Signals and Systems (4993) (C- and above)			3 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		

360	ELCE 350	Electromagnetics I	3	6	PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above) AND ENG 200 Engineering Mathematics III (Differential Equations and Linear Algebra) (5009) (C- and above) AND ELCE 200 Introduction to Electrical Circuits (4991) (C- and above)			4 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
361	ELCE 452	Renewable Energy and Electric Vehicles	3	6	ELCE 200 Introduction to Electrical Circuits (4991) (C- and above)			4 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
362	ELCE 455	Machine Learning with Python	3	6	ENG 101 Programming for Engineers (4517) (C- and above) OR CSCI 151 Programming for Scientists and Engineers (192) (C- and above)			4 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
363	ELCE 461	Industrial Automation	3	6	ELCE 202 Digital Logic Design (4992) (C- and above)			4 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
364	ELCE 462	Wireless Networks	3	6	ENG 201 Applied Probability and Statistics (5505) (C- and above) AND (ELCE 308 Communication Systems (5922) (C- and above) OR ELCE 304 Computer Networks (5920) (C- and above))			4 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
365	ELCE 463	Network Science: Methods and Applications	3	6	ENG 101 Programming for Engineers (4517) (C- and above) AND MATH 162 Calculus II (170) (C- and above) AND ENG 200 Engineering Mathematics III (Differential Equations and Linear Algebra) (5009) (C- and above)			4 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
366	ELCE 465	PCB Design and Manufacturing	3	6				4 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
367	ELCE 466	RF and Microwave Circuits	3	6				4 year UG SEDS Electrical and Computer Engineering	Electrical and Computer Engineering		
Mechanical and Aerospace Engineering											
368	ENG 100	Introduction to Engineering	3	6				1 year UG SEDS Chemical and Materials Engineering, 1 year UG SEDS Civil and Environmental Engineering, 1 year UG SEDS Electrical and Computer Engineering, 1 year UG SEDS Mechanical and Aerospace Engineering, Undeclared SEDS	Chemical and Materials Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, Mechanical and Aerospace Engineering, SMG		

369	ENG 101	Programming for Engineers	3	6			CSCI 151 Programming for Scientists and Engineers (192) (F) OR CSCI 111 Web Programming and Problem Solving (110) (F) OR CSCI 115 Programming Fundamentals (5257) (F) OR CSCI 152 Performance and Data Structures (489) (F) OR CSCI 408 Senior Project I (1481) (F) OR CSCI 409 Senior Project II (1483) (F)	1 year UG SEDS Chemical and Materials Engineering, 1 year UG SEDS Civil and Environmental Engineering, 1 year UG SEDS Electrical and Computer Engineering, 1 year UG SEDS Mechanical and Aerospace Engineering, 1 year UG SEDS Undeclared	SEDS, SMG		
370	ENG 200	Engineering Mathematics III (Differential Equations and Linear Algebra)	3	6	MATH 162 Calculus II (170) (C and above)			2 year UG SEDS Chemical and Materials Engineering, 2 year UG SEDS Civil and Environmental Engineering, 2 year UG SEDS Electrical and Computer Engineering, 2 year UG SEDS Mechanical and Aerospace Engineering	3 year UG SEDS Chemical and Materials Engineering, 3 year UG SEDS Civil and Environmental Engineering, 3 year UG SEDS Electrical and Computer Engineering, 3 year UG SEDS Mechanical and Aerospace Engineering	Chemical and Materials Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, Mechanical and Aerospace Engineering, SMG	
371	ENG 400	Capstone Project	3	6				4 year UG SEDS Chemical and Materials Engineering, 4 year UG SEDS Civil and Environmental Engineering, 4 year UG SEDS Electrical and Computer Engineering, 4 year UG SEDS Mechanical and Aerospace Engineering	5 year UG SEDS Chemical and Materials Engineering, 5 year UG SEDS Civil and Environmental Engineering		
372	MAE 201	Computer Aided Design	3	6				4 year UG SEDS Mechanical and Aerospace Engineering			
373	MAE 300	Fluid Mechanics I	3	6	PHYS 161 Physics I for Scientists and Engineers with Laboratory (116) (D and above)			3 year UG SEDS Mechanical and Aerospace Engineering	Mechanical and Aerospace Engineering		
374	MAE 301	Engineering Thermodynamics	3	6				3 year UG SEDS Mechanical and Aerospace Engineering	Mechanical and Aerospace Engineering		
375	MAE 303	Control Systems	3	6				3 year UG SEDS Mechanical and Aerospace Engineering	Mechanical and Aerospace Engineering		
376	MAE 307	Engineering Dynamics II	3	6	MAE 206 Engineering Dynamics I (5535) (D and above)			3 year UG SEDS Mechanical and Aerospace Engineering	Mechanical and Aerospace Engineering		
377	MAE 400	Heat Transfer	3	6	MAE 300 Fluid Mechanics I (5926) (D and above) AND MAE 301 Engineering Thermodynamics (5927) (D and above)			4 year UG SEDS Mechanical and Aerospace Engineering	Mechanical and Aerospace Engineering		

378	MAE 401	Mechanical Systems Design	3	6	MAE 302 Machine Elements Design (5928) (D and above)			4 year UG SEDS Mechanical and Aerospace Engineering	Mechanical and Aerospace Engineering		
379	MAE 450	Additive Manufacturing	3	6	MAE 205 Material and Manufacturing I (5534) (D and above)			4 year UG SEDS Mechanical and Aerospace Engineering, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 6 year UG SEDS, 6 year UG SEDS (pending graduation)	5 year UG SEDS Mechanical and Aerospace Engineering	3 year UG SEDS Mechanical and Aerospace Engineering	
380	MAE 453	Fire Engineering	3	6	MAE 305 Fluid Mechanics II (6173) (D and above) AND MAE 301 Engineering Thermodynamics (5927) (D and above)			4 year UG SEDS Mechanical and Aerospace Engineering	Mechanical and Aerospace Engineering		
381	MAE 454	Aerodynamics	3	6	MAE 300 Fluid Mechanics I (5926) (D and above)			4 year UG SEDS Mechanical and Aerospace Engineering, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 6 year UG SEDS, 6 year UG SEDS (pending graduation)	5 year UG SEDS Mechanical and Aerospace Engineering		
382	MAE 455	Flight Performance and Mechanics	3	6	MAE 454 Aerodynamics (6576) (D and above) OR MAE 305 Fluid Mechanics II (6173) (D and above)			4 year UG SEDS Mechanical and Aerospace Engineering, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 6 year UG SEDS, 6 year UG SEDS (pending graduation)	Mechanical and Aerospace Engineering		
383	MAE 462	Multiphase Systems	3	6	MAE 300 Fluid Mechanics I (5926) (D and above) AND MAE 305 Fluid Mechanics II (6173) (D and above)			4 year UG SEDS Mechanical and Aerospace Engineering, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 6 year UG SEDS, 6 year UG SEDS (pending graduation)	Mechanical and Aerospace Engineering		
Robotics and Mechatronics											
384	ROBT 201	Mechanics: Statics and Dynamics	3	6	MATH 162 Calculus II (170) (C- and above) AND (PHYS 161 Physics I for Scientists and Engineers with Laboratory (116) (C- and above) OR PHYS 171 Physics I for Physics Majors with Laboratory (1401) (C- and above))			2 year UG SMG, Robotics Engineering, Robotics and Mechatronics	Biological Sciences, Chemistry, Mathematics, SoM		
385	ROBT 203	Electrical and Electronic Circuits I with Lab	4	8	MATH 162 Calculus II (170) (C- and above) AND (PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above) OR PHYS 172 Physics II for Physics Majors with Laboratory (1402) (C- and above) OR (PHYS 141 Physics I for non-majors with Lab (1437) (C- and above) AND PHYS 142 Physics II for non-majors with Lab (1438) (C- and above)))			Robotics Engineering, Robotics and Mechatronics	Biological Sciences, Chemistry, Mathematics, SoM		
386	ROBT 205	Signals and Sensing with Lab	4	8	MATH 162 Calculus II (170) (C- and above) AND (PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above) OR PHYS 172 Physics II for Physics Majors with Laboratory (1402) (C- and above))			Robotics Engineering, Robotics and Mechatronics	Biological Sciences, Chemistry, Mathematics, SoM		
387	ROBT 301	Mechanical Design I with CAD Laboratory	4	8	ROBT 201 Mechanics: Statics and Dynamics (475) (C- and above)			Robotics Engineering, Robotics and Mechatronics	Biological Sciences, Chemistry, Mathematics, SoM		
388	ROBT 303	Linear Control Theory with Lab	4	8	ROBT 202 System Dynamics and Modeling (68) (C- and above) AND MATH 274 Introduction to Differential Equations (484) (C- and above)			Robotics Engineering, Robotics and Mechatronics	Biological Sciences, Chemistry, Mathematics, SoM		

389	ROBT 308	Industrial Automation	3	6				Robotics Engineering, Robotics and Mechatronics	Physics, Undeclared SEDS		
390	ROBT 310	Image Processing	3	6	MATH 162 Calculus II (170) (C- and above) AND MATH 273 Linear Algebra with Applications (84) (C- and above)			Robotics Engineering, Robotics and Mechatronics	Physics, Undeclared SEDS		
391	ROBT 403	Robotics II: Control, Modeling and Learning with Laboratory	4	8	ROBT 303 Linear Control Theory with Lab (623) (C and above) AND ROBT 312 Robotics I: Kinematics and Dynamics (5263) (C and above)			Robotics Engineering, Robotics and Mechatronics	Physics, Undeclared SEDS		
392	ROBT 407	Statistical Methods and Machine Learning	3	6	MATH 273 Linear Algebra with Applications (84) (C and above) AND MATH 321 Probability (482) (C and above) AND CSCI 152 Performance and Data Structures (489) (C and above)			Robotics Engineering, Robotics and Mechatronics	Physics, Undeclared SEDS		
393	ROBT 414	Human-Robot Interaction	3	6	CSCI 152 Performance and Data Structures (489) (C- and above)			Robotics Engineering, Robotics and Mechatronics	Physics, Undeclared SEDS		