

Course Requirements and Registration Priorities (Undergraduate), Spring 2019

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SEng											
Chemical Engineering											
1	ECHE 210	Foundations of Unit Operations	3	6				Registration by School Office			
2	ECHE 221	Engineering Fluid Mechanics	3	6				Registration by School Office			
3	ECHE 270	Transport Phenomena-I	3	6				Registration by School Office			
4	ECHE 323	Computational methods in Chemical Engineering-I	3	6	ECHE 333 Separation Processes-I (D and above)	ECHE 481 Chemical Reaction Engineering (D and above)		Registration by School Office			
5	ECHE 383	Separation Processes II	3	6	ECHE 126 Introduction to Chemical Engineering (D and above) AND ECHE 225 Heat and Mass Transfer Operations (D and above)			Registration by School Office			
6	ECHE 386	Chemical Plant Design and Optimization	3	6				Registration by School Office			
7	ECHE 387	Chemical Reaction Engineering 2	3	6				Registration by School Office			
8	ECHE 388	Process Dynamics and Control	3	6				Registration by School Office			
9	ECHE 420	Polymer Processing and Rheology	3	6				4 year UG SEng Chemical Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
10	ECHE 421	Tissue Engineering	3	6				4 year UG SEng Chemical Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
11	ECHE 479	Capstone Project II	9	18	ECHE 418 Capstone project 1 (D and above)			Registration by School Office			
12	ECHE 483	Chemistry II	3	6	ECHE 222 Chemistry I (D and above)			Registration by School Office			
13	ECHE 485	Introduction to Biochemical Engineering	3	6				4 year UG SEng Chemical Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
Civil Engineering											
14	ECE 210	Soil Mechanics	3	6				Registration by School Office			

15	ECE 218	Environmental Chemistry	3	6				Registration by School Office			
16	ECE 219	Hydraulics	3	6				Registration by School Office			
17	ECE 306	Geotechnical Design	3	6	ECE 210 Soil Mechanics (D and above)			Registration by School Office			
18	ECE 319	Structural Design - Steel	3	6				Registration by School Office			
19	ECE 320	Engineering Hydrology	3	6				Registration by School Office			
20	ECE 420	Modern Information Technology in Construction	3	6				4 year UG SEng Civil Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
21	ECE 422	Prestressed Concrete Design	3	6				3 year UG SEng Civil Engineering	3 year UG SENG, 4 year UG SENG	SEng, SHSS, SMG, SST	
22	ECE 423	Structure and Properties of Concrete Materials	3	6				3 year UG SEng Civil Engineering	3 year UG SENG, 4 year UG SENG	SEng, SHSS, SMG, SST	
23	ECE 427	Individual Research Projects in Civil Engineering (II)	3	6	ECE 481 Individual Research Projects in Civil Engineering (D and above)			4 year UG SEng Civil Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
24	ECE 472	Water and Wastewater Treatment Processes	3	6	ECE 218 Environmental Chemistry (D and above)			Registration by School Office			
25	ECE 473	Environmental Systems	3	6				4 year UG SEng Civil Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
26	ECE 478	Capstone Project II	9	18	ECE 401 Capstone Project 1 (D and above)			Registration by School Office			
27	ECE 479	Structural Analysis II	3	6	ECE 217 Structural Analysis I (D and above)			Registration by School Office			
Electrical and Electronic Engineering											
28	EEE 210	Software Engineering	3	6	BENG 146 Programming for Engineers (D and above)			Registration by School Office			
29	EEE 211	Computer Systems Architecture	3	6	ECHE 126 Introduction to Chemical Engineering (D and above)			Registration by School Office			
30	EEE 239	Communication systems	3	6				Registration by School Office			
31	EEE 340	Data Communications	3	6				Registration by School Office			
32	EEE 341	Digital Electronic System Design	3	6				Registration by School Office			
33	EEE 343	Embedded Microcontrollers	3	6				Registration by School Office			
34	EEE 379	Power Systems Analysis	3	6				Registration by School Office			
35	EEE 381	Electrical Machines and Drives	3	6				Registration by School Office			

36	EEE 411	Special Topics in Signal Processing	3	6				4 year UG SEng Electrical and Electronic Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
37	EEE 480	Capstone Project II	9	18				Registration by School Office			
38	EEE 484	Electric Power Generation	3	6				4 year UG SEng Electrical and Electronic Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
39	EEE 485	Power System Operation and Control	3	6	EEE 379 Power Systems Analysis (D and above) OR EEE 452 Power Systems Protection (D and above)			4 year UG SEng Electrical and Electronic Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
40	EEE 486	Photonics for Engineering	3	6	EEE 342 Electromagnetics (D and above)			4 year UG SEng Electrical and Electronic Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
41	EEE 489	Analog Circuit Design	3	6				Registration by School Office			
42	EEE 494	Modern Characterizations for Semiconductor Industry	3	6				4 year UG SEng Electrical and Electronic Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
43	EEE 495	Fundamentals of Biomedical Engineering and Biophysics	3	6				4 year UG SEng Electrical and Electronic Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
Mechanical Engineering											
44	EME 275	Fluid Mechanics I	3	6				Registration by School Office			
45	EME 300	Research Project	3	6				Registration by School Office			
46	EME 352	Computational Fluid Dynamics	3	6				Registration by School Office			
47	EME 357	Fluid Mechanics 2	3	6				Registration by School Office			
48	EME 377	Mechanical Systems Design	3	6	EME 361 Machine Design (D and above)			Registration by School Office			
49	EME 414	Fire Engineering	3	6	BENG 226 Engineering Thermodynamics (D and above)			4 year UG SEng Mechanical Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
50	EME 415	Flight Mechanics	3	6				4 year UG SEng Mechanical Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
51	EME 464	Materials and Manufacturing 1	3	6				Registration by School Office			

52	EME 476	Materials and Manufacturing II	3	6				Registration by School Office			
53	EME 477	Capstone Project II	9	18				Registration by School Office			
54	EME 480	Industrial Automation	3	6				Registration by School Office			
55	EME 489	Advanced Engineering Mathematics	3	6	BENG 228 Engineering Mathematics III (D and above)			4 year UG SEng Mechanical Engineering	4 year UG SENG	SEng, SHSS, SMG, SST	
Mechanical and Aerospace Engineering											
56	ENG 102	Engineering Materials I	3	6				1 year UG SEng Civil and Environmental Engineering, 1 year UG SEng Mechanical and Aerospace Engineering, 1 year UG SMG	1 year UG SHSS, 1 year UG SST, 2 year UG SENG, 3 year UG SENG, 4 year UG SENG	SEng, SHSS, SMG, SST	
57	ENG 103	Engineering Materials 2	3	6				1 year UG SEng Chemical and Materials Engineering, 1 year UG SEng Electrical and Computer Engineering, 1 year UG SMG	1 year UG SHSS, 1 year UG SST, 2 year UG SENG, 3 year UG SENG, 4 year UG SENG	SEng, SHSS, SMG, SST	
School of Engineering											
58	BENG 114	Introduction to Electrical Systems	3	6				Registration by School Office			
59	BENG 219	Control Systems	3	6				Registration by School Office			
60	BENG 226	Engineering Thermodynamics	3	6				Registration by School Office			
61	BENG 343	Interdisciplinary Design Project	3	6							
SST											
Biological Science											
62	BIOL 101	Biology for non-Science majors	3	6				SHSS			
63	BIOL 120	Modern Biology II with Lab	4	8	BIOL 110 Modern Biology I with Lab (C- and above)		BIOL 120 Modern Biology II (C- and above) OR BIOL 120 Modern Biology II Lab (C- and above)	Biological Sciences, Chemistry	SST	SHSS	
64	BIOL 231	Human Anatomy and Physiology II	4	8	BIOL 230 Human Anatomy and Physiology I (C- and above)			Biological Sciences	SST	SEng, SHSS, SMG	

65	BIOL 301	Molecular Biology of Cell with Lab	4	8	(BIOL 110 Modern Biology I with Lab (C- and above) OR PREM 110 Pre-med Biology I with lab (C- and above) OR BIOL 110 Modern Biology I (C- and above) OR BIOL 110 Modern Biology I Lab (C- and above)) AND (BIOL 120 Modern Biology II with Lab (C- and above) OR BIOL 120 Modern Biology II (C- and above) OR BIOL 120 Modern Biology II Lab (C- and above))			Biological Sciences	SST	SEng, SHSS, SMG	
66	BIOL 341	Biochemistry I	3	6	CHEM 211 Organic Chemistry I (C- and above) OR CHEM 291 Organic Chemistry for Biologists I (C- and above)			Biological Sciences	SST	SEng, SHSS, SMG	
67	BIOL 341L	Biochemistry I Lab	1	2		BIOL 341 Biochemistry I (C and above)		Biological Sciences	SST	SEng, SHSS, SMG	
68	BIOL 370	Genetics	3	6	(BIOL 110 Modern Biology I (C- and above) OR BIOL 110 Modern Biology I with Lab (C- and above) OR PREM 110 Pre-med Biology I with lab (C- and above)) AND (BIOL 120 Modern Biology II (C- and above) OR BIOL 120 Modern Biology II with Lab (C- and above)) AND (BIOL 220 Molecular Biology of Cell (C- and above) OR BIOL 301 Molecular Biology of Cell with Lab (C- and above))			Biological Sciences	SST	SEng, SHSS, SMG	
69	BIOL 420	Bioethics	3	6	(BIOL 110 Modern Biology I (C- and above) OR BIOL 110 Modern Biology I Lab (C- and above) OR BIOL 110 Modern Biology I with Lab (C- and above)) AND (BIOL 120 Modern Biology II (C- and above) OR BIOL 120 Modern Biology II Lab (C- and above) OR BIOL 120 Modern Biology II with Lab (C- and above))			3 year UG SST Biological Sciences, 3 year UG SST Chemistry, 4 year UG SST Biological Sciences, 4 year UG SST Chemistry			
70	BIOL 430	Histology with laboratory	4	8	BIOL 230 Human Anatomy and Physiology I (C- and above) AND BIOL 231 Human Anatomy and Physiology II (C- and above)			Biological Sciences	SST	SEng, SHSS, SMG	
71	BIOL 440	Neuroscience	3	6	BIOL 231 Human Anatomy and Physiology II (C- and above)			Biological Sciences	SST	SEng, SHSS, SMG	
72	BIOL 450	Food Microbiology	3	6	BIOL 305 Introduction to Microbiology with Lab (C- and above)			Biological Sciences	SST	SEng, SHSS, SMG	

73	BIOL 450L	Food Microbiology Lab	1	2	BIOL 305 Introduction to Microbiology with Lab (C- and above)	BIOL 450 Food Microbiology (C- and above)		Biological Sciences	SST	SEng, SHSS, SMG	
74	BIOL 456	Biology Research Design	3	6	BIOL 355 Critical Research Reasoning (C- and above)			Biological Sciences	SST	SEng, SHSS, SMG	
75	BIOL 471	Light and Electron microscopy concepts and techniques	3	6	BIOL 110 Modern Biology I with Lab (C and above) AND BIOL 120 Modern Biology II with Lab (C and above) AND CHEM 101 General Chemistry I (C and above) AND PHYS 161 Physics I for Scientists and Engineers with Laboratory (C and above)			Biological Sciences	SST	SEng, SHSS, SMG	
76	BIOL 471L	Light and Electron Microscopy Concepts and Techniques-Lab	1	2		BIOL 471 Light and Electron microscopy concepts and techniques (C and above)		Biological Sciences	SST	SEng, SHSS, SMG	
77	BIOL 480	Molecular Immunology	3	6	BIOL 341 Biochemistry I (C- and above) AND BIOL 410 Introduction to Immunology (C- and above)			Biological Sciences	SST	SEng, SHSS, SMG	
78	BIOL 491	Graduation Project 2	4	8	BIOL 490 Graduation Project 1 (C- and above)			Through Add Course form only			
79	BIOL 492	Directed study in Biology	3	6				Biological Sciences	SST	SEng, SHSS, SMG	
Chemistry											
80	CHEM 090	Chemistry for Non-Science majors	3	6				SHSS			
81	CHEM 092	Survey of Environmental Sciences for Non-Science Majors	3	6				SHSS			
82	CHEM 101	General Chemistry I	3	6				Biological Sciences, Chemistry	SST	SHSS	
83	CHEM 102	General Chemistry II	3	6	CHEM 101 General Chemistry I (C and above)			Biological Sciences, Chemistry, SMG	SST	SHSS	
84	CHEM 102L	General Chemistry II lab	1	2	CHEM 101L General Chemistry I lab (C and above)	CHEM 102 General Chemistry II (C and above)		Biological Sciences, Chemistry, SMG	SST	SHSS	
85	CHEM 211	Organic Chemistry I	3	6	CHEM 102 General Chemistry II (C and above)			Chemistry	Biological Sciences	SST	
86	CHEM 211L	Organic Chemistry I Lab	2	4	CHEM 102L General Chemistry II lab (C and above)	CHEM 211 Organic Chemistry I (C and above)		Chemistry	Biological Sciences	SST	

87	CHEM 212	Organic Chemistry II	3	6	CHEM 211 Organic Chemistry I (C and above) OR CHEM 191 Chemistry I for Engineers (C and above)			Chemistry	Biological Sciences	SST	
88	CHEM 212L	Organic Chemistry II Lab	2	4	CHEM 211L Organic Chemistry I Lab (C and above)	CHEM 212 Organic Chemistry II (C and above) OR CHEM 292 Organic Chemistry for Biologists II (C and above)		Chemistry	Biological Sciences	SST	
89	CHEM 320	Instrumental Analysis with Labs	4	8	CHEM 220 Quantitative Chemical Analysis with lab (C and above)			Chemistry	Biological Sciences	SST	
90	CHEM 332	Physical Chemistry II	3	6	CHEM 331 Physical Chemistry I (C and above) AND MATH 274 Introduction to Differential Equations (C- and above)			Chemistry	Biological Sciences	SST	
91	CHEM 332L	Physical Chemistry II Lab	1	2	CHEM 331L Physical Chemistry Lab (C and above)	CHEM 332 Physical Chemistry II (C and above)		Chemistry	Biological Sciences	SST	
92	CHEM 380	Research Methods	3	6				Chemistry	Biological Sciences	SST	
93	CHEM 411	Advanced Organic Chemistry I	3	6	CHEM 212 Organic Chemistry II (C and above) AND MATH 161 Calculus I (C and above)			Chemistry			
94	CHEM 442	Biochemistry II with Lab-Metabolic Biochemistry	3	6	CHEM 341 Biochemistry I (C and above) AND CHEM 212 Organic Chemistry II (C and above)			Chemistry	Biological Sciences	SST	
95	CHEM 451	Applied Homogenous Catalysis	3	6	CHEM 450 Advanced Inorganic Chemistry (C and above)			Chemistry	Biological Sciences	SST	
96	CHEM 490	Nanochemistry	3	6	CHEM 331 Physical Chemistry I (C and above) AND CHEM 350 Descriptive Inorganic Chemistry (C and above)			Chemistry			
Computer Science											
97	CSCI 101	Introduction to Computational Sciences	3	6				1 year UG SHSS	SHSS		
98	CSCI 111	Web Programming & Problem Solving	3	6			CSCI 100 Computation and Problem Solving (C- and above)	1 year UG SHSS	SHSS		

99	CSCI 151	Programming for Scientists and Engineers	4	8		ROBT 102 Programming for robotics and physics (C- and above) OR CSCI 150 Fundamentals of Programming (C- and above)	1 year UG SST, SMG	SST	SHSS	
100	CSCI 152	Performance and Data Structures	4	8	CSCI 151 Programming for Scientists and Engineers (C- and above) OR CSCI 150 Fundamentals of Programming (C- and above) OR CSCI 261 Object Oriented Programming with Java I (C- and above) OR ROBT 102 Programming for robotics and physics (C- and above)		1 year UG SST	SST	SHSS	
101	CSCI 245	System Analysis and Design	3	6	CSCI 341 Database Systems (C- and above)		Computer Science	SST	SEng, SHSS, SMG	
102	CSCI 270	Algorithms	3	6	CSCI 152 Performance and Data Structures (C- and above) AND MATH 251 Discrete Mathematics (C- and above)		2 year UG SST Computer Science	Computer Science	SEng, SHSS, SMG, SST	
103	CSCI 272	Formal Languages	3	6	CSCI 152 Performance and Data Structures (C and above) AND MATH 251 Discrete Mathematics (C- and above)		2 year UG SST Computer Science	Computer Science	SEng, SHSS, SMG, SST	
104	CSCI 307	Research Methods	3	6			Computer Science			
105	CSCI 325	Introduction to Parallel Systems and GPU Programming	3	6	CSCI 332 Operating Systems (C- and above)		Computer Science	SST	SEng, SHSS, SMG	
106	CSCI 330	Mobile Computing	3	6	CSCI 332 Operating Systems (C- and above)		Computer Science	SST	SEng, SHSS, SMG	
107	CSCI 332	Operating Systems	3	6	CSCI 231 Computer Systems and Organization (C- and above)		2 year UG SST Computer Science	Computer Science	SEng, SHSS, SMG, SST	
108	CSCI 399A	Internship II - A	1	2						
109	CSCI 409	Senior Project II	3	6	CSCI 408 Senior Project I (C- and above)		4 year UG SST Computer Science			
110	CSCI 447	Machine Learning: Theory and Practice	3	6	MATH 273 Linear Algebra with Applications (C and above) AND MATH 321 Probability (C and above)		Computer Science	SST	SEng, SHSS, SMG	
111	CSCI 462	Open Source Software	3	6	CSCI 361 Software Engineering (C- and above)		Computer Science	SST	SEng, SHSS, SMG	

Mathematics

112	MATH 161	Calculus I	4	8				Biological Sciences, Chemistry	1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST	SEng, SHSS, SMG, SST	
113	MATH 162	Calculus II	4	8	MATH 161 Calculus I (C and above)			1 year UG SENG, 1 year UG SMG, 1 year UG SST	SST	SHSS	
114	MATH 251	Discrete Mathematics	3	6	MATH 162 Calculus II (C and above)			Computer Science, Mathematics	SST	SHSS	
115	MATH 263	Calculus III	4	8	MATH 162 Calculus II (C and above)			Mathematics	SST	SHSS	
116	MATH 273	Linear Algebra with Applications	4	8	MATH 161 Calculus I (C and above)	MATH 162 Calculus II (C and above)		Mathematics	SST	SHSS	
117	MATH 274	Introduction to Differential Equations	3	6	MATH 162 Calculus II (C and above) AND MATH 273 Linear Algebra with Applications (C and above)			Mathematics	SST	SHSS	
118	MATH 310	Applied Statistical Methods	3	6	MATH 161 Calculus I (C- and above)		SOC 203 Quantitative Methods in Sociology (C- and above) OR PLS 211 Quantitative Methods (C- and above)	Biological Sciences	SST	SHSS	
119	MATH 321	Probability	3	6	MATH 162 Calculus II (C and above)		ECON 211 Economic Statistics (C- and above) OR PLS 211 Quantitative Methods (C- and above)	Computer Science, Mathematics	SST	SHSS	
120	MATH 322	Mathematical Statistics	3	6	MATH 321 Probability (C- and above)			3 year UG SST Mathematics	SST	SHSS	
121	MATH 351	Numerical Methods with Applications	3	6	MATH 274 Introduction to Differential Equations (C- and above) AND MATH 263 Calculus III (C- and above)			Mathematics	SST	SHSS	
122	MATH 361	Real Analysis I	3	6	MATH 263 Calculus III (C- and above)			Mathematics	SST	SHSS	
123	MATH 371	Introduction to Mathematical Biology	3	6	MATH 273 Linear Algebra with Applications (C and above) AND MATH 274 Introduction to Differential Equations (C and above)			3 year UG SST Mathematics	Mathematics	SST	
124	MATH 402	Abstract Algebra I	3	6	MATH 273 Linear Algebra with Applications (C- and above)			3 year UG SST Mathematics	SST	SHSS	

125	MATH 407	Graph Theory	3	6	MATH 301 Introduction to Number Theory (C- and above) OR (MATH 251 Discrete Mathematics (C- and above) AND MATH 273 Linear Algebra with Applications (C- and above))			Mathematics	SST	SHSS	
126	MATH 412	Nonlinear Optimization	3	6	MATH 273 Linear Algebra with Applications (C- and above) AND (MATH 263 Calculus III (C- and above) OR MATH 169 Accelerated Calculus (C- and above))			Mathematics	SST	SHSS	
127	MATH 417	Cryptography	3	6	MATH 273 Linear Algebra with Applications (C- and above) AND (MATH 251 Discrete Mathematics (C- and above) OR MATH 301 Introduction to Number Theory (C- and above) OR MATH 355 Introduction to Proofs (C- and above))			Mathematics	SST	SHSS	
128	MATH 423	Actuarial Mathematics II	3	6	MATH 321 Probability (C- and above)			Mathematics	SST	SHSS	
129	MATH 449	Statistical Programming	3	6	MATH 322 Mathematical Statistics (C- and above)			4 year UG SST Mathematics	Mathematics		
130	MATH 477	Applied Finite Element Methods	3	6	MATH 351 Numerical Methods with Applications (C and above)			Mathematics	SST	SHSS	
131	MATH 480	Complex Analysis	3	6	MATH 263 Calculus III (C- and above)			Mathematics	SST	SHSS	
132	MATH 482	Fourier Analysis	3	6	MATH 263 Calculus III (C- and above) AND MATH 274 Introduction to Differential Equations (C- and above)			Mathematics	SST	SHSS	
133	MATH 490	Special Topics in Mathematics	3	6				Mathematics	SST	SHSS	
134	MATH 499	Capstone Project	3	6				Through Add Course form only			
Physics											
135	PHYS 161	Physics I for Scientists and Engineers with Laboratory	4	8		MATH 161 Calculus I (D and above) OR MATH 162 Calculus II (D and above)	PHYS 171 Physics I for Physics Majors with Laboratory (C- and above)	1 year UG SENG, 1 year UG SMG, 1 year UG SST	SST	SHSS	
136	PHYS 162	Physics II for Scientists and Engineers with Laboratory	4	8	PHYS 161 Physics I for Scientists and Engineers with Laboratory (C- and above) OR PHYS 151 Introductory Physics I with Lab (C- and above)		PHYS 172 Physics II for Physics Majors with Laboratory (C- and above)	1 year UG SENG, 1 year UG SMG, 1 year UG SST	SST	SHSS	

137	PHYS 202	Introductory Astrophysics	3	6	(PHYS 162 Physics II for Scientists and Engineers with Laboratory (C- and above) OR PHYS 172 Physics II for Physics Majors with Laboratory (C- and above)) AND (MATH 161 Calculus I (C- and above) OR MATH 169 Accelerated Calculus (C- and above))			SST	SHSS		
138	PHYS 222	Classical Mechanics II	3	6	PHYS 221 Classical Mechanics I (C- and above)			Physics	SST		
139	PHYS 270	Computational Physics with Laboratory	3	6	(CSCI 150 Fundamentals of Programming (C- and above) OR CSCI 151 Programming for Scientists and Engineers (C- and above)) AND MATH 263 Calculus III (C- and above) AND (PHYS 162 Physics II for Scientists and Engineers with Laboratory (C- and above) OR PHYS 172 Physics II for Physics Majors with Laboratory (C- and above))	MATH 273 Linear Algebra with Applications (D and above)		Physics	SST		
140	PHYS 280	Thermodynamics and Statistical Physics	3	6	MATH 263 Calculus III (C- and above) AND (PHYS 162 Physics II for Scientists and Engineers with Laboratory (C- and above) OR PHYS 172 Physics II for Physics Majors with Laboratory (C- and above))			Physics	SST		
141	PHYS 362	Classical Electrodynamics II	3	6	PHYS 361 Classical Electrodynamics I (C- and above)			Physics	SST		
142	PHYS 370	Optics with Laboratory	4	8	PHYS 361 Classical Electrodynamics I (C- and above)			Physics	SST		
143	PHYS 451	Quantum Mechanics I	3	6	(PHYS 315 Mathematical Methods of Physics (C- and above) OR PHYS 411 Advanced Mathematical Physics (C- and above)) AND PHYS 221 Classical Mechanics I (C- and above) AND PHYS 361 Classical Electrodynamics I (C- and above)			Physics	SST		
144	PHYS 463	Astrophysics and General Relativity	3	6	MATH 162 Calculus II (C- and above) AND PHYS 221 Classical Mechanics I (C- and above) AND MATH 274 Introduction to Differential Equations (C- and above)			Physics	SST		
145	PHYS 473	Introduction to Solid State Physics	3	6	PHYS 280 Thermodynamics and Statistical Physics (C- and above) AND PHYS 451 Quantum Mechanics I (C- and above)			Physics	SST		

146	PHYS 483	Statistical Mechanics	3	6				Physics	SST		
147	PHYS 491	Directed Study of Advanced Physics Topics	3	6				Physics			
148	PHYS 495	Physics Colloquium	0	0				Physics			
149	PHYS 499	Graduation Project	3	6	PHYS 451 Quantum Mechanics I (C- and above)			Physics			
Robotics and Mechatronics											
150	ROBT 202	System Dynamics and Modeling	3	6	MATH 162 Calculus II (C- and above) AND (PHYS 162 Physics II for Scientists and Engineers with Laboratory (C- and above) OR PHYS 172 Physics II for Physics Majors with Laboratory (C- and above))			Robotics and Mechatronics	SST		
151	ROBT 204	Electrical and Electronic Circuits II with Lab	4	8	ROBT 203 Electrical and Electronic Circuits I with Lab (C- and above)			Physics, Robotics and Mechatronics	SST		
152	ROBT 206	Microcontrollers with Lab	4	8	CSCI 151 Programming for Scientists and Engineers (C- and above) OR ROBT 102 Programming for robotics and physics (C- and above) OR CSCI 150 Fundamentals of Programming (C- and above)			Computer Science, Robotics and Mechatronics	SST		
153	ROBT 302	Mechanical Design II with Machining Laboratory	4	8	ROBT 301 Mechanical Design I with CAD Laboratory (C- and above)			Robotics and Mechatronics	SST		
154	ROBT 304	Electromechanical Systems with lab	4	8	ROBT 204 Electrical and Electronic Circuits II with Lab (C- and above)			Robotics and Mechatronics	SST		
155	ROBT 310	Image Processing	3	6	MATH 162 Calculus II (C- and above) AND MATH 273 Linear Algebra with Applications (C- and above)			Computer Science, Robotics and Mechatronics	SST		
156	ROBT 402	Robotic/Mechatronic System Design	3	6	ROBT 204 Electrical and Electronic Circuits II with Lab (C- and above) AND ROBT 206 Microcontrollers with Lab (C- and above) AND ROBT 302 Mechanical Design II with Machining Laboratory (C- and above)			Robotics and Mechatronics			
157	ROBT 407	Statistical Methods and Machine Learning	3	6	MATH 273 Linear Algebra with Applications (C- and above)			Computer Science, Robotics and Mechatronics	SST		
158	ROBT 414	Human-Robot Interaction	3	6	CSCI 152 Performance and Data Structures (C- and above)			Computer Science, Robotics and Mechatronics	SST		

159	ROBT 491	Graduation Project	3	6				4 year UG SST Robotics and Mechatronics			
SHSS											
Communication and Composition											
160	COMM 202	Introduction to Public Speaking	3	6	SHSS 150 Rhetoric and Composition (C- and above)			SEng, SHSS, SMG, SST			
161	SHSS 150	Rhetoric and Composition	3	6				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST			
162	SHSS 240	Writing for Digital Media	3	6	SHSS 150 Rhetoric and Composition (C- and above)			SHSS	SEng, SMG, SST		
163	SHSS 300	SHSS Internship	3	6				Through Add Course form only			
164	SHSS 301	SHSS Internship Second Experience	3	6				Through Add Course form only			
165	SHSS 390	Writing Fellows I - Composition and Collaboration in Theory and Practice	3	6	SHSS 150 Rhetoric and Composition (C- and above)			Through Add Course form only			
166	SHSS 391	Writing Fellows II - Practicum in Composition & Collaboration	3	6	SHSS 390 Writing Fellows I - Composition and Collaboration in Theory and Practice (C- and above)			Through Add Course form only			
Communication and Composition, Languages, Literature and Linguistics											
167	SHSS 260/WLL 235	Creative Writing: Introduction to Fiction Writing I	3	6	SHSS 150 Rhetoric and Composition (C- and above)			SHSS	SEng, SMG, SST		
Economics											
168	ECON 101	Introduction to Microeconomics	3	6				1 year UG SHSS	2 year UG SHSS	SEng, SHSS, SMG, SST	
169	ECON 102	Introduction to Macroeconomics	3	6				1 year UG SHSS	2 year UG SHSS	SEng, SHSS, SMG, SST	
170	ECON 201	Intermediate Microeconomics	3	6	ECON 101 Introduction to Microeconomics (C and above) AND (MATH 161 Calculus I (C and above) OR MATH 162 Calculus II (C and above))			Economics	SHSS	SEng, SMG, SST	
171	ECON 202	Intermediate Macroeconomics	3	6	ECON 102 Introduction to Macroeconomics (C and above) AND (MATH 161 Calculus I (C and above) OR MATH 162 Calculus II (C and above))			Economics	SHSS	SEng, SMG, SST	
172	ECON 211	Economic Statistics	3	6	ECON 101 Introduction to Microeconomics (C and above) OR ECON 102 Introduction to Macroeconomics (C and above)			Economics	SHSS	SEng, SMG, SST	

173	ECON 300	Research Assistance in Economics	1	2	ECON 101 Introduction to Microeconomics (C- and above) AND ECON 102 Introduction to Macroeconomics (C- and above)			Through Add Form Only			
174	ECON 321	Economic Growth	3	6	ECON 202 Intermediate Macroeconomics (C- and above)			Economics	SHSS	SEng, SMG, SST	
175	ECON 332	Urban Economics	3	6	ECON 201 Intermediate Microeconomics (C- and above)			Economics	SHSS	SEng, SMG, SST	
176	ECON 345	The Economics of Family	3	6	ECON 201 Intermediate Microeconomics (C- and above)			Economics	SHSS	SEng, SMG, SST	
177	ECON 413	Econometrics II	3	6	ECON 301 Econometrics I (C- and above)			Economics	SHSS	SEng, SMG, SST	
178	ECON 415	Industrial Organization	3	6	ECON 301 Econometrics I (C- and above)			Economics	SHSS	SEng, SMG, SST	
179	ECON 428	Wages and the Labor Market	3	6	ECON 201 Intermediate Microeconomics (C- and above) AND ECON 301 Econometrics I (C- and above)			Economics	SHSS	SEng, SMG, SST	
History, Philosophy and Religious Studies											
180	HST 100	History of Kazakhstan	3	6				4 year UG SENG, 4 year UG SHSS, 4 year UG SST	1 year UG SENG, 1 year UG SMG, 1 year UG SST	SEng, SHSS, SMG, SST	
181	HST 151	US History I (to 1877)	3	6				1 year UG SHSS, 2 year UG SHSS, History	SEng, SHSS, SMG, SST		
182	HST 214	An Introduction to Comparative History: The Eurasian Steppes and Great Plains of North America	3	6				SHSS	SEng, SMG, SST		
183	HST 233	The Russian Empire from Catherine the Great to the Bolshevik Revolution	3	6	Subject "HST" BETWEEN 100 and 199			SHSS	SEng, SMG, SST		
184	HST 235	Peter the Great (1682-1725): First Emperor of Russia and "Father of the Fatherland"	3	6				SHSS	SEng, SMG, SST		
185	HST 236	Eurasian revolutions, 1905-1949	3	6				SHSS	SEng, SMG, SST		
186	HST 239	Modernizing the Periphery: Crime, Community and Culture in Central Europe, 1790 - 1990	3	6	Subject "HST" BETWEEN 100 and 199			SHSS	SEng, SMG, SST		
187	HST 331	The Eurasian Enlightenment	3	6	HST 100 History of Kazakhstan (B and above) OR Subject "HST" BETWEEN 100 and 199			SHSS	SEng, SMG, SST		
188	HST 411	Exploring Eurasian Environmental History	3	6	HST 100 History of Kazakhstan (D and above)			SHSS	SEng, SMG, SST		

189	HST 499	History Capstone: Undergraduate Dissertation	4	8	HST 498 Directed Reading (C- and above)			4 year UG SHSS			
190	PHIL 124	Knowledge and Reality	3	6				SEng, SHSS, SMG, SST			
191	PHIL 141	Critical Thinking	3	6				SEng, SHSS, SMG, SST			
192	PHIL 215	Bioethics	3	6				SEng, SHSS, SMG, SST			
193	PHIL 223	Philosophy of Science	3	6				SEng, SHSS, SMG, SST			
194	PHIL 320	Truth, Knowledge and Belief	3	6				SEng, SHSS, SMG, SST			
195	PHIL 361	Philosophy of Language	3	6				SEng, SHSS, SMG, SST			
196	REL 212	Buddhist Religious Traditions	3	6				SEng, SHSS, SMG, SST			
History, Philosophy and Religious Studies, History, Philosophy and Religious Studies											
197	HST 329/REL 329	Women in Islamic History	3	6				SHSS	SEng, SMG, SST		
198	PHIL 266/HST 266	Sunzi's Art of War and Unorthodox Military Strategy in Ancient China	3	6				SEng, SHSS, SMG, SST			
199	PHIL 267/REL 267	Chinese Roots of Martial Arts	3	6				SEng, SHSS, SMG, SST			
200	REL 273/HST 273	History of Sufism in the Middle East and Central Asia	3	6	Subject "HST" BETWEEN 100 and 199			SHSS	SEng, SMG, SST		
History, Philosophy and Religious Studies, Sociology and Anthropology											
201	HST 223/ANT 287	Cannibalism and Civilization	3	6				SHSS	SEng, SMG, SST		
202	HST 381/SOC 319	AIDS and Society	3	6	Subject "HST" BETWEEN 100 and 199 OR HST 100 History of Kazakhstan (B- and above)			3 year UG SST, 4 year UG SST, SHSS	SEng, SMG, SST		
Kazakh Language and Turkic Studies											
203	KAZ 201	Academic Kazakh I	3	6	KLL "Basic I" OR KLL "Basic II" OR KLL "Intermediate I" OR KLL "Intermediate II"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	

204	KAZ 202	Academic Kazakh II	3	6	KAZ 201 Academic Kazakh I (C-and above) OR KLL "Upper-Intermediate"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
205	KAZ 211	Academic Speaking in Kazakh	3	6	KAZ 202 Academic Kazakh II (C-and above)				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
206	KAZ 212	Academic Writing in Kazakh	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
207	KAZ 226	Kazakh for Medical School	3	6	KLL "Upper-Intermediate" OR KLL "Advanced"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
208	KAZ 313	Kazakh for Business	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
209	KAZ 349	Kazakh Mythology	3	6	KAZ 202 Academic Kazakh II (C-and above) OR KLL "Advanced"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
210	KAZ 351	Kazakh Short Stories	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	

211	KAZ 354	Kazakh Drama	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
212	KAZ 356	Kazakh Music History	3	6	KLL "Advanced"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
213	KAZ 357	Literature of Alash	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
214	KAZ 358	Technique of Translation	3	6	KLL "Upper-Intermediate" OR KLL "Advanced"						
215	KAZ 362	Creative Writing in Kazakh Language	3	6	KLL "Upper-Intermediate" OR KLL "Advanced"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
216	KAZ 363	Language and Globalization	3	6	KLL "Upper-Intermediate" OR KLL "Advanced"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
217	KAZ 364	Kazakh for Civil Service	3	6	KLL "Advanced" OR KLL "Upper-Intermediate" OR KAZ 314 Speech Culture in Business (C- and above)				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
218	KAZ 366	Kazakh Language for Engineers	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	

219	KAZ 368	Onomastics: History and Function of Names	3	6	KLL "Advanced" OR KLL "Upper-Intermediate"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
220	KAZ 371	Contemporary Kazakh Literature	3	6	KLL "Advanced"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
221	KAZ 372	Language and ethnicity	3	6	KLL "Advanced" OR KAZ 211 Academic Speaking in Kazakh (C- and above) OR KAZ 212 Academic Writing in Kazakh (C- and above)				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
222	KAZ 373	Kazakh Terminology	3	6	KLL "Advanced" OR KAZ 202A Kazakh Literature 2/K(C) (C- and above) OR KAZ 211 Academic Speaking in Kazakh (C- and above) OR KAZ 212 Academic Writing in Kazakh (C- and above)				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
223	KAZ 374	Kazakh Diplomacy	3	6	KAZ 202A Kazakh Literature 2/K(C) (C- and above) OR KAZ 211 Academic Speaking in Kazakh (C- and above) OR KAZ 212 Academic Writing in Kazakh (C- and above) OR KLL "Advanced"				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
224	KAZ 375	Cultural Studies and Kazakh Culture	3	6	KLL "Advanced" OR KAZ 202A Kazakh Literature 2/K(C) (C- and above) OR KAZ 211 Academic Speaking in Kazakh (C- and above) OR KAZ 212 Academic Writing in Kazakh (C- and above)				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST, 4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SMG, SST	
225	TUR 230	Literatures of Central Asia	3	6				SHSS	SEng, SMG, SST		
Kazakh Language and Turkic Studies, Languages, Literature and Linguistics											
226	LING 280/TUR 280	Introduction to Turkic Historical and Comparative Linguistics	3	6				SHSS	SEng, SMG, SST		
Languages, Literature and Linguistics											
227	CHN 101	Beginning Mandarin I	4	8				World Languages, Literature and Culture	1 year UG SHSS, 2 year UG SHSS	SEng, SHSS, SMG, SST	

228	CHN 201	Intermediate Mandarin I	4	8	CHN 102 Beginning Mandarin II (B- and above)			SEng, SHSS, SMG, SST			
229	FRE 102	Beginning French II	4	8	FRE 101 Beginning French I (C- and above)			SEng, SHSS, SMG, SST			
230	FRE 314	Advanced French Grammar and Composition	3	6	FRE 202 Intermediate French II (C- and above)			SEng, SHSS, SMG, SST			
231	GER 101	Beginning German	4	8				World Languages, Literature and Culture	1 year UG SHSS, 2 year UG SHSS	SEng, SHSS, SMG, SST	
232	GER 102	Beginning German II	4	8	GER 101 Beginning German (C- and above)			SEng, SHSS, SMG, SST			
233	KOR 102	Beginning Korean II	4	8	KOR 101 Beginning Korean I (C- and above)			SEng, SHSS, SMG, SST			
234	LING 130	Introduction to Language and Communication	3	6				World Languages, Literature and Culture	SHSS	SEng, SMG, SST	
235	LING 131	Introduction to Linguistics	3	6				World Languages, Literature and Culture	SHSS	SEng, SMG, SST	
236	LING 270	Languages of Eurasia	3	6				SHSS	SEng, SMG, SST		
237	LING 277	Language Diversity and Language Universals	3	6				SHSS	SEng, SMG, SST		
238	LING 278	Sounds of the World's Languages	3	6				SHSS	SEng, SMG, SST		
239	LING 370	Methods of Teaching Foreign Languages	3	6				SHSS	SEng, SMG, SST		
240	LING 372	Discourse Analysis	3	6	Subject "LLL" BETWEEN 100 and 199 OR Subject "WLL" BETWEEN 100 and 199 OR ANT 175/WLL 171 Introduction to Linguistic Anthropology (C- and above) OR Subject "LING" BETWEEN 100 and 199			SHSS	SEng, SMG, SST		
241	PER 102	Beginning Persian II	4	8	PER 101 Beginning Persian I (C- and above)			SEng, SHSS, SMG, SST			
242	SPA 102	Beginning Spanish II	4	8	SPA 101 Beginning Spanish I (C- and above)			SEng, SHSS, SMG, SST			
243	SPA 202	Intermediate Spanish II	4	8	SPA 201 Intermediate Spanish I (C- and above)			SEng, SHSS, SMG, SST			
244	SPA 320	The Hispanic Short Story	3	6	Subject "WLL" BETWEEN 100 and 199 AND SPA 202 Intermediate Spanish II (C- and above)			SEng, SHSS, SMG, SST			
245	WLL 110	Introduction to Literary Studies	3	6				World Languages, Literature and Culture	SHSS	SEng, SMG, SST	

246	WLL 121	Introduction to Cultural Studies	3	6				World Languages, Literature and Culture	SHSS	SEng, SMG, SST	
247	WLL 211	World Literature II: from the 18th to the 20th century	3	6				World Languages, Literature and Culture	SHSS	SEng, SMG, SST	
248	WLL 212	Introduction to Poetry	3	6				World Languages, Literature and Culture	SHSS	SEng, SMG, SST	
249	WLL 241	Survey of Folk Tales	3	6				World Languages, Literature and Culture	SHSS	SEng, SMG, SST	
250	WLL 245	Terrible Perfection: Heroines of Classical Russian Literature	3	6				World Languages, Literature and Culture	SHSS	SEng, SMG, SST	
251	WLL 246	Survey of Contemporary Russian Literature and Culture	3	6	Subject "WLL" BETWEEN 100 and 199 OR SHSS 150 Rhetoric and Composition (C- and above)			2 year UG SHSS	SHSS	SEng, SMG, SST	
252	WLL 442	Contemporary Russian and Russophone Literature	3	6	Subject "WLL" BETWEEN 100 and 199			World Languages, Literature and Culture	4 year UG SHSS	SEng, SMG, SST	
253	WLL 499	Languages, Linguistics, and Literatures Capstone II	3	6	WLL 498 Languages, Linguistics, and Literatures Capstone I (C- and above)			4 year UG SHSS World Language and Literature			
Languages, Literature and Linguistics, Languages, Literature and Linguistics											
254	WLL 254/SPA 254	Superstition, Magical Realism, and Horror in Hispanic Culture	3	6	Subject "WLL" BETWEEN 100 and 499 OR Subject "HST" BETWEEN 100 and 499			World Languages, Literature and Culture	SHSS	SEng, SMG, SST	
Political Science and International Relations											
255	PLS 101	Introduction to Political Science	3	6				SEng, SMG, SST	SHSS		
256	PLS 140	Introduction to Comparative Politics	3	6				1 year UG SHSS, Political Science and International Relations	SHSS	SEng, SMG, SST	
257	PLS 150	Introduction to International Relations	3	6				1 year UG SHSS, Political Science and International Relations	SHSS	SEng, SMG, SST	
258	PLS 210	Political Science Research Methods	3	6				Political Science and International Relations	SHSS	SEng, SMG, SST	
259	PLS 211	Quantitative Methods	3	6				Political Science and International Relations	SHSS	SEng, SMG, SST	

260	PLS 341	Politics of Development	3	6	PLS 140 Introduction to Comparative Politics (C- and above) OR PLS 150 Introduction to International Relations (C- and above)		Political Science and International Relations	SHSS	SEng, SMG, SST	
261	PLS 351	International Political Economy	3	6	PLS 150 Introduction to International Relations (C- and above) AND PLS 210 Political Science Research Methods (C- and above) AND PLS 211 Quantitative Methods (C- and above)		Political Science and International Relations	SHSS	SEng, SMG, SST	
262	PLS 354	Introduction to International Law	3	6	PLS 150 Introduction to International Relations (C- and above) AND PLS 210 Political Science Research Methods (C- and above)		Political Science and International Relations	SHSS	SEng, SMG, SST	
263	PLS 355	European Union: Institutions and Policies	3	6	PLS 150 Introduction to International Relations (C- and above)		Political Science and International Relations	SHSS	SEng, SMG, SST	
264	PLS 356	International Politics of the Korean Peninsula	3	6			Political Science and International Relations	SHSS	SEng, SMG, SST	
265	PLS 360	Foreign Policy Analysis	3	6	PLS 150 Introduction to International Relations (C- and above) AND PLS 211 Quantitative Methods (C- and above)		Political Science and International Relations	SHSS	SEng, SMG, SST	
266	PLS 365	Civil-Military Relations	3	6	PLS 211 Quantitative Methods (C- and above) AND PLS 210 Political Science Research Methods (C- and above)		Political Science and International Relations	SHSS	SEng, SMG, SST	
267	PLS 391	Intermediate Special Topics in Comparative Politics	3	6	PLS 140 Introduction to Comparative Politics (C- and above)		Political Science and International Relations	SHSS	SEng, SMG, SST	
268	PLS 392	Politics of China	3	6	PLS 140 Introduction to Comparative Politics (C- and above) OR PLS 150 Introduction to International Relations (C- and above)		Political Science and International Relations	SHSS	SEng, SMG, SST	
269	PLS 395	Independent Study	3	6	PLS 210 Political Science Research Methods (C- and above) AND PLS 211 Quantitative Methods (C- and above)		Through Add Course form only			
270	PLS 441	Advanced Topics in Comparative Politics	3	6	PLS 140 Introduction to Comparative Politics (C- and above) AND PLS 210 Political Science Research Methods (C- and above)		Political Science and International Relations	SHSS	SEng, SMG, SST	

271	PLS 445	Political Violence	3	6	(PLS 140 Introduction to Comparative Politics (C- and above) OR PLS 150 Introduction to International Relations (C- and above)) AND PLS 210 Political Science Research Methods (C- and above)			Political Science and International Relations	SHSS	SEng, SMG, SST	
272	PLS 447	Comparative Political Parties	3	6	PLS 140 Introduction to Comparative Politics (C- and above) AND PLS 210 Political Science Research Methods (C- and above)			Political Science and International Relations	SHSS	SEng, SMG, SST	
273	PLS 457	International Security and Conflict	3	6	PLS 150 Introduction to International Relations (C- and above) AND PLS 210 Political Science Research Methods (C- and above) AND PLS 211 Quantitative Methods (C- and above)						
274	PLS 495	Research Practicum in PSIR	1	2	PLS 210 Political Science Research Methods (C- and above) AND PLS 211 Quantitative Methods (C- and above)			Through Add Course form only			
Sociology and Anthropology											
275	ANT 101	Introduction to Sociocultural Anthropology	3	6				1 year UG SHSS, 2 year UG SHSS, Anthropology, Sociology	SHSS	SEng, SMG, SST	
276	ANT 140	World Prehistory	3	6				1 year UG SHSS, 2 year UG SHSS, Anthropology, Sociology	SHSS	SEng, SMG, SST	
277	ANT 160	Introduction to Biological Anthropology	3	6				1 year UG SHSS, 2 year UG SHSS, Anthropology, Sociology	Biological Sciences, SHSS	SEng, SMG, SST	
278	ANT 181	Introduction to Medical Anthropology	3	6				1 year UG SHSS, 2 year UG SHSS, Anthropology, Sociology	Biological Sciences, SHSS	SEng, SMG, SST	
279	ANT 232	Life, Death and Economy: Archaeology of Central Asia	3	6				1 year UG SHSS, 2 year UG SHSS, Anthropology	SHSS	SEng, SMG, SST	
280	ANT 286	Nomads: Around the world and through time	3	6				1 year UG SHSS, 2 year UG SHSS, Anthropology	SHSS	SEng, SMG, SST	
281	ANT 306	Anthropology of Performance	3	6				Anthropology, Sociology	SHSS	SEng, SMG, SST	

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		Anthropology, Political Science and International Relations, Sociology	SHSS	SEng, SMG, SST	
283	ANT 333	Anthropology of Space	3	6			3 year UG SHSS, 4 year UG SHSS, Anthropology, Sociology	SHSS	SEng, SMG, SST	
284	ANT 400	Research Assistance in Anthropology	1	2	SOC 201 Social Science Research Methods (C- and above) OR SOC 203 Quantitative Methods in Sociology (C- and above) OR SOC 214/ANT 214 Qualitative Methods (C- and above)		Through Add Course form only			
285	ANT 475	Digital Ethnographies	3	6	ANT 101 Introduction to Sociocultural Anthropology (C- and above) OR PLS 210 Political Science Research Methods (C- and above) OR SOC 201 Social Science Research Methods (C- and above) OR SOC 214/ANT 214 Qualitative Methods (C- and above)		Anthropology, Sociology	SHSS	SEng, SMG, SST	
286	SOC 101	Introduction to Sociology	3	6			Anthropology, Sociology	1 year UG SHSS, 2 year UG SHSS, 3 year UG SST Biological Sciences	SEng, SHSS, SMG, SST	
287	SOC 201	Social Science Research Methods	3	6			Anthropology, Sociology	SHSS	SEng, SMG, SST	
288	SOC 203	Quantitative Methods in Sociology	3	6	SOC 201 Social Science Research Methods (C- and above) OR PLS 210 Political Science Research Methods (C- and above)		Anthropology, Sociology	SHSS	SEng, SMG, SST	
289	SOC 215	Sociology of Race and Ethnicity	3	6			Anthropology, Sociology	SHSS	SEng, SMG, SST	
290	SOC 221	International Migration	3	6			Anthropology, Sociology	SHSS	SEng, SMG, SST	
291	SOC 301	Classical Sociological Theory	3	6	SOC 101 Introduction to Sociology (C- and above) OR SOC 115 Global Social Problems (C- and above)		Anthropology, Sociology	SHSS	SEng, SMG, SST	
292	SOC 320	Organized Crime and Corruption	3	6	SOC 101 Introduction to Sociology (C- and above)					

293	SOC 400	Research Assistance in Sociology	1	2	SOC 201 Social Science Research Methods (C- and above) OR SOC 203 Quantitative Methods in Sociology (C- and above) OR SOC 214/ANT 214 Qualitative Methods (C- and above)			Through add form only			
294	SOC 499	Capstone Seminar II	3	6	SOC 498 Capstone Seminar Part I (C- and above)			4 year UG SHSS Sociology			
Sociology and Anthropology, Sociology and Anthropology											
295	ANT 222/SOC 222	Approaches to Global Development	3	6			ANT 222/SOC 222 Approaches to Global Development (C- and above)	Anthropology, Sociology	SHSS	SEng, SMG, SST	
296	SOC 214/ANT 214	Qualitative Methods	3	6	SOC 201 Social Science Research Methods (C- and above) OR PLS 210 Political Science Research Methods (C- and above)			Anthropology, Sociology	SHSS	SEng, SMG, SST	
297	SOC 281/ANT 281	Health, Illness and Society	3	6				Anthropology, Sociology	SHSS	SEng, SMG, SST	
SoM											
Applied Nursing											
298	NUR 402	Principles of Healthcare Administration	4	8							
299	NUR 405	Issues and Trends in Nursing	4	8							
300	NUR 406.2	Medical-Surgical Nursing: Complex Management	4	8							
301	NUR 407	Capstone (Clinical +EBP Quality Improvement Research)	4	8							
SMG											
School of Mining and Geosciences											
302	GEOL 101	Principles of Geology	3	6				1 year UG SMG	SEng, SST	SHSS	
303	GEOL 102	Fundamentals of Geology	3	6				1 year UG SMG	SEng, SST	SHSS	
304	SMG 100	Introduction to Natural Resources Extraction	3	6				1 year UG SMG	SEng, SST	SHSS	