



NRES BLOCK ELECTIVE LINE SCHEDULE SPRING 2019

NATURAL SCIENCES – 10 OPTIONS

DEPT	NO	TITLE	CREDITS	PREREQUISITES	KSTATE 8 CATEGORIES
AGRON	305	Soils	4	CHM 110 or CHM 210	Global Issues and Perspectives Natural and Physical Sciences
AGRON	515	Soil Genesis and Classification	3	GEOL 100 or AGRON 305	Empirical & Quant Reasoning Natural and Physical Sciences
BIOL	433	Introduction to Fisheries, Wildlife, and Conservation Biology	3	BIOL 201	
BIOL	529	Fundamentals of Ecology	3	BIOL 198 and CHM 201	Empirical & Quant Reasoning Natural and Physical Sciences
BIOL	642	Principles of Conservation Biology	3	BIOL 450 and BIOL 529	
BIOL	687	Microbial Ecology	3	BIOL 455 or BIOL 529	
ENTOM	301	Insects and People (Global Campus)	3		Natural and Physical Sciences
ENTOM	312	General Entomology (Global Campus)	3		Global Issues and Perspectives Natural and Physical Sciences
GEOL	540	Geologic Record of Climate Change	3	GEOL 100 or GEOG 221	Global Issues and Perspectives Natural and Physical Sciences
GEOL	611	Hydrogeology	3	GEOL 520	

APPLIED SCIENCES AND TECHNOLOGY – 20 OPTIONS

AGRON	375	Soil Fertility	3	AGRON 305	Empirical & Quant Reasoning Ethical Reason & Responsibility
AGRON	655	Site Specific Agriculture	3	AGRON 220 and 305, GEOG 508	Empirical & Quant Reasoning Natural and Physical Sciences
AGRON	746	Environmental Soil Physics	3	AGRON 305	

ATM	558	Soil Erosion and Sediment Pollution Control	3	AGRON 305	Empirical & Quant Reasoning Ethical Reason & Responsibility
ATM	653	Water Mgmt & Irrigation Systems	2	ATM 160 or PHYS 113, AGRONG 305	
BAE	560	Natural Resource Engineering I	3	STAT 490 and ME 571	
BAE	620	Problems in Agricultural Engineer	VAR		
BAE	643	Life Cycle Assessment	3	MATH 220, CHM 230	
BAE	651	Air Pollution Engineering	3	ME 513 and ME 571	
BIOL	684	Wildlife Mgmt & Techniques	4	BIOL 433	
CE	552	Hydraulic Engineering	3	ME 571 and CE 550	Empirical & Quant Reasoning Natural and Physical Sciences
CE	563	Environmental Engineering Fund	3	CHM 230 and MATH 222	Natural and Physical Sciences
CE	565	Water and Wastewater Engineering	3	CE 550, CE 563, PHYS 214, and ME 571	Empirical & Quant Reasoning Natural and Physical Sciences
CE	625	Principles of Geoenvironmental Engineering	3	CE 522	
CHE	650	Hazardous Waste Engineering Seminar	1	CHM 230	
CHE	670	Sustainability Seminar	1	CHM 230	
GEOG	508	Geographic Information Systems I	4	Recommended: GEOG 302	Empirical & Quant Reasoning Social Sciences
GEOG	605	Remote Sensing of Environment	3	One course each in physical and biological science	
PMC	635	Methods Environ Interpretation	3	Recommended: PMC 210	Aesthetic Interpretation
PMC	740	Advanced Environ Interpretation	3	PMC 635	Aesthetic Interpretation

SOCIAL SCIENCES AND HUMANITIES – 11 OPTIONS

AGCOM	712	Environmental Communications (Global Campus)	3		
ANTH	260	Introduction to Archeology	3		Historical Perspectives Social Sciences

AT	350	Our Sustainable World (Global Campus)	3		Ethical Reasoning & Responsibility Global Issues and Perspective
ENGL	399	Honors Seminar: Literature and the Environment	3		Aesthetic Interpretation
GEOG	340	Natural Resources (Global Campus)	3		Global Issues and Perspectives Natural and Physical Sciences
GEOG	360	Sustainability Concepts & Issues	3	Previous course in geography and junior standing	Ethical Reasoning & Responsibility Social Sciences
GEOG	600	Mountain Geography	3		Natural and Physical Sciences Social Sciences
GEOG	761	Human Impact on the Environment	3	Six hours of social science	
HIST	511	Environmental History	3	Sophomore standing	Historical Perspectives Human Diversity within the US
LAR	322	Environmental Issues and Ethics	3		Ethical Reason & Responsibility Global Issues and Perspectives
MC	712	Environmental Communications (Global Campus)	3		