ARKANSAS STATE UNIVERSITY / COLLEGE OF SCIENCES AND MATHEMATICS
B. S. Environmental Science
FOR ADVISING PURPOSES ONLY

CATALOG YEAR: 2019-2020 MINOR (if applicable):_____
NAME:_____ SID_____

GENERAL EDUCATION REQUIREMENTS: 39 HRS.

		substitution or transfer	course no.	grade
BIO 1013	Making Connections Biology			
Communication - 9 hrs				
ENG 1003	Composition I			
ENG 1013	Composition II			
SCOM 1203	Oral Communication			
Mathematics - 4 hrs				
MATH 1054	Precalculus (if needed before Calculus I)			
MATH 2204	Calculus I (ACT 24 +)			
Social Sciences - 9 hrs (Choose three)				
HIST 2763	U.S. History to 1876			
HIST 2773	U.S. History sn 1876			
POSC 2103	Introduction to American Government			
(HIST 2763 OR 2773 OR POSC 2103 REQUIRED)				
PSY 2013	Introduction to Psychology			
SOC 2213	Principles of Sociology			
POSC 1003	Introduction to Politics			
ECON 2313	Principles of Macroeconomics			
ECON 2333	Economic Issues and Concepts			
RTV 1003	Mass Communication in Modern Society			
ANTH 2233	Introduction to Cultural Anthropology			
GEOG 2613	Introduction to Geography			
HIST 1013	World Civilization to 1660			
HIST 1023	World Civilization sn 1660			
Fine Arts - 3 hrs				
MUS 2503	FA Musical			
ART 2503	FA Visual			
THEA 2503	FA Theater			
Humanities - 3 hrs				
ENG 2003	Introduction to World Literature I			
ENG 2013	Introduction to World Literature II			
PHIL 1103	Introduction to Philosophy			
Life Sciences General Education - 4 hrs				
BIO 1503	Biology of Plants			
BIO 1501	Biology of Plants Laboratory			
Physical Sciences - 4 hrs				
CHEM 1013	General Chemistry I			
CHEM 1011	General Chemistry I Laboratory			

Foreign Language - 0-6 hrs
(See Foreign Lang. Req. in Bulletin.)
Two years of high school foreign language will replace this requirement unless you plan on a minor in Spanish.

_____ _____ _____ _____
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(Communicatons and Mathematics requirements must be met within the first 45 hours of credit earned [Excluding development courses]; science requirements must be met by the completion of 60 hours. The

To earn a degree, all students must complete at least 45 hours of upper-level (Junior and Senior) classes. These classes are of the 3000/4000 prefix. They can be from any subject as long as the degree requirements are met. Any degree requirement with a 3000/4000 prefix is included in this. In addition, many minors help complete this requirement.

In order to graduate, the below must be met in addition to the above requirements.

- _____ 32 resident hours
- _____ 2.00 GPA average in major, overall, and A-State average.
- _____ Maximum 31 hours of corr/ext/MS/USAFI
- _____ Maximum 30 hours by exam/CLEP
- _____ 45 JR/SR hours after 30 hours
- _____ 120 hours for degree
- _____ 18 of last 24 hours on A-State campus
- _____ Minimum 57 hours from 4-year institutions
- _____ C or better in ENG 1003 and 1013

MAJOR REQUIREMENTS: 81 HRS.

Environmental Science Core Requirements 56 hrs:				
BIOL 1063	People and the Environment	F, S		
BIO 1303	Biology of Animals	F, S, Su		
BIO 1301	Biology of Animals Laboratory	F, S, Su		
BIO 2013	Biology of the Cell	F, S, Su		
BIO 2011	Biology of the Cell Laboratory	F, S, Su		
PSSC 2813	Soils	F, S		
PSSC 2811	Soils Laboratory	F		
BIO 3023	Principles of Ecology	F, S		
BIO 3673	Human Dimensions of Natural Resources	F odd		
BIO 4613	Conservation Biology	S odd		
BIO 4643	Environmental Biology	F odd		
BIO 4641	Environmental Biology Laboratory	F odd		
BIO 4021	Biological Seminar	F, S		
CHEM 1023	General Chemistry II	F, S, Su		
CHEM 1021	General Chemistry II Laboratory	F, S, Su		
CHEM 3103	Organic Chemistry I	F, S, Su		
CHEM 3101	Organic Chemistry I Laboratory	F, S, Su		
CHEM 3113	Organic Chemistry II	F, S, Su		
CHEM 3111	Organic Chemistry II Laboratory	F, S, Su		
PHYS 2034	University Physics I	F, S		
PHYS 2044	University Physics II	F, S		
MATH 2214	Calculus II	F, S, Su		
STAT 3233	Applied Statistics I	F, S, Su		

Choose any of the courses below among the five focus areas to total 19 hrs:

Biology Focus				
BIO 3013	Genetics	F, S		
BIO 3011	Genetics Laboratory	F, S		
BIO 3033	Evolution	S odd		
BIO 4104	Microbiology	F, S		
BIO 4333	Marine Biology	S even		
BIO 4373	Animal Ecology	F odd		
BIO 4371	Animal Ecology Laboratory	F odd		
BIO 4623	Environmental Microbiology	S odd		
BIO 4633	Environmental Toxicology Mechanisms and Impacts	F even		
Chemistry Focus				
CHEM 3054	Quantitative Analysis	S		
CHEM 3153	Survey of Physical Chemistry	S		
CHEM 4043	Environmental Chemistry	F even		
CHEM 4243	Biochemistry	F, S		
CHEM 4241	Biochemistry Laboratory	F		
Agriculture / Sustainability Focus				
AGRI 4223	Agriculture and the Environment	S		
CE 3263	Introduction to Environmental Engineering	F		
GEOG 4613	Conservation of Natural Resources	Demand		
GEOG 4623	Environmental Management	S even		
PSSC 4813	Soil Fertility	S		
SOC 4373	Sustainable Development in Modern Society	Demand		
Geospatial Focus				
AGST 3543	Fundamentals of GIS/GPS	F, S		
AGST 4543	Advanced GIS for Agriculture and Natural Resources	S		
AGST 4773	Remote Sensing	F		
GEOG 3723	Introduction to Physical Geography Weather and Clim	Demand		
Economic / Policy / Social Focus				
ECON 4363	Global Environmental Policies	F		
GEOG 3743	Introduction to Land Use Planning	Demand		
GEOG 4113	Water Resources Planning	Demand		
PHIL 4733	Environmental Ethics	S odd		
POSC 4533	Environmental Law and Administration	Demand		
SOC 4363	Environmental Sociology	Demand		

Electives -- 6 hours of JR/SR electives to reach 120 total hours

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