






APPLIED ENVIRONMENTAL SCIENCE, EMPHASIS


 - General Education Course

 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.






Area of Emphasis

Code	Title	Credit Hours
NRE 111 	Living Systems	4
Select one of the following:		3-4
NRE 212	Energy	
PHY 201  & PHY 202 	College Physics I and General Physics I Laboratory	
CIT 260	Instrumentation	3
IST 264	Technology Foundations	3
NRE 320	Nature Enviro Problems	3
NRE 321	Resol Environ Problems	3
NRE 435	Biomonitoring	4
NRE 322	Assess I: Terrestrial Systems	4
NRE 425	Water Policy and Regulations	3
Select one of the following:		4
NRE 470	ES Internship	
NRE 491 	ES Senior Capstone (Senior Project)	
Total Credit Hours		34-35







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The Bachelor of Science in Environmental Science degree is an integrated program requiring math, communication, and environmental studies courses and basic science courses from Geology, Biology, Chemistry, and Physics departments. The integrated coverage of broad topics prepares students for the complex problems facing a modern world. Areas of Emphasis help focus student efforts toward individual goals and interests with consideration to obtaining rewarding careers in the fields of environmental science or conservation or pursuing advanced studies.

Course	Title	Credit Hours
First Year		
First Semester		
IST 150	Spreadsheet & Database Prin	3
NRE 120 	Discussions in Envriion Science	3
MTH 140  	Applied Calculus	3
ENG 101  	Beginning Composition	3
FYS 100	First Yr Sem Critical Thinking	3

UNI 100	Freshman First Class	1
Credit Hours		16

Second Semester		
CMM 103 	Fund Speech-Communication	3
BSC 120  or NRE 111  or Living Systems	Principles of Biology	4
GLY 200 	The Dynamic Earth	3
GLY 210L 	Earth Materials Lab	1
NRE 220 	Human Dimensions of Nat Res	3
Credit Hours		14


Second Year		
First Semester		
CHM 211  	Principles of Chemistry I	3
CHM 217  	Principles of Chem Lab I	2
ENG 201 	Advanced Composition	3
Core II Fine Arts		3
Core II Social Science (M/I)		3
Free Elective		1
Credit Hours		15

Second Semester		
CHM 212 	Principles Chemistry II	3
Select one of the following:		3-4
NRE 212	Energy	
PHY 201  & PHY 202 	College Physics I and General Physics I Laboratory	
CHM 218 	Principles of Chem Lab II	2
NRRM 200	Analytical Methods: Statistics	4
IST 264	Technology Foundations	3
Credit Hours		15-16

Third Year		
First Semester		
NRE 323	Assessment II: Aquatic Ecology	4
NRE 423	GIS and Data Systems	3
CIT 260	Instrumentation	3
NRE 320	Nature Enviro Problems	3
Core II Humanities (WI)		3
Credit Hours		16

Second Semester		
NRE 322	Assess I: Terrestrial Systems	4
NRE 321	Resol Environ Problems	3
NRE 490	ES/NRRM Capstone Prep	3
Major Elective		3
Major Elective		3
Credit Hours		16

Fourth Year		
First Semester		
NRE 425	Water Policy and Regulations	3
Major Elective		3
Major Elective		3
Major Elective		3

Writing Intensive	3
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Credit Hours	15
Second Semester	
NRE 470 ES Internship	3
or NRE 491  or ES Senior Capstone	
NRE 435 Biomonitoring	4
Major Elective	3
Free Elective	3
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Credit Hours	13
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Total Credit Hours	120-121