

# Environmental Sciences (BS)

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

This area of study uses interdisciplinary approaches that link natural science and social science disciplines, and a knowledge of environmental systems and earth processes. Such interdisciplinary approaches are essential for understanding changes in a rapidly changing world, and for understanding our past, present, and future. Environmental scientists will help ensure human prospects by improving both socio-economic development and environmental quality through innovation in new technologies and policies.

Public interest about environmental issues is increasing. Protecting and improving the environment involves knowledge and systematic problem-solving skills that are essential for environmental sciences.

North Carolina State University's environmental sciences degree program provides sound, individualized academic programs for students who can develop a wide range of careers. For information on entrance requirements, contact the program coordinator:

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## Plan Requirements

### Environmental Sciences: 120 Total Units

Code	Title	Hours	Counts towards
<b>English &amp; Communication</b>			
ENG 101	Academic Writing and Research <sup>1</sup>	4	
	Communication Skills (p. 2)	6	
<b>Mathematical Science and Physics</b>			
MA 131	Calculus for Life and Management Sciences A	3	
	or MA 141		
MA 231	Calculus for Life and Management Sciences B	3	
	or MA 241		
	Select one of the following:	4	
PY 205 & PY 206	Physics for Engineers and Scientists I and Physics for Engineers and Scientists I Laboratory		
PY 211	College Physics I		

	Select one of the following:	4
PY 208 & PY 209	Physics for Engineers and Scientists II and Physics for Engineers and Scientists II Laboratory	
PY 212	College Physics II	

### Natural Sciences

CH 101	Chemistry - A Molecular Science	3
CH 102	General Chemistry Laboratory	1
CH 220 & CH 222	Introductory Organic Chemistry and Organic Chemistry I Lab	4
BIO 181	Introductory Biology: Ecology, Evolution, and Biodiversity	4
BIO 183	Introductory Biology: Cellular and Molecular Biology	4
SSC 200 & SSC 201	Soil Science and Soil Science Laboratory	4

### Departmental Requirements

ENV 100	Student Success in Environmental First Year	1
ENV 101	Exploring the Environment	2
ES 100	Introduction to Environmental Sciences <sup>1</sup>	3
ES 111	Applications of Environmental Sciences <sup>1</sup>	1
ES 200	Climate Change and Sustainability <sup>1</sup>	3
ES 300	Energy and Environment <sup>1</sup>	3
ES 400	Analysis of Environmental Issues <sup>1</sup>	3
ST 311	Introduction to Statistics	3
ST 312	Introduction to Statistics II	3
	Economics Electives (p. 10)	3

PS 320	U.S. Environmental Law and Politics	3
or PS 336	Global Environmental Politics	
External Learning Experience (p. 10)		3
<b>Focal Area</b>		
ES Focal Area (See Advisor) <sup>2</sup>		15
<b>Electives</b>		
Advised Electives (See Advisor) <sup>2</sup>		9
<b>General Education Program (GEP) Courses</b>		
GEP Humanities ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/">http:// catalog.ncsu.edu/undergraduate/ gep-category-requirements/gep- humanities/</a> )		6
GEP Health and Exercise Studies ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/">http://catalog.ncsu.edu/ undergraduate/gep-category- requirements/gep-health-exercise- studies/</a> )		2
GEP Additional Breadth ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/">http:// catalog.ncsu.edu/undergraduate/ gep-category-requirements/</a> ) (Humanities/Social Sciences/Visual and Performing Arts)		3
GEP U.S. Diversity ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-us-diversity/">http:// catalog.ncsu.edu/undergraduate/ gep-category-requirements/gep-us- diversity/</a> ) (Verify Requirements)		
GEP Global Knowledge ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/">http:// catalog.ncsu.edu/undergraduate/ gep-category-requirements/ gep-global-knowledge/</a> ) (Verify Requirements)		
Foreign Language Proficiency ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/foreign-language-proficiency/">http://catalog.ncsu.edu/ undergraduate/gep-category- requirements/foreign-language- proficiency/</a> ) GEP Global Knowledge ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/">http://catalog.ncsu.edu/ undergraduate/gep-category- requirements/gep-global- knowledge/</a> ) (Verify Requirements)		
<b>Free Electives</b>		
Free Electives (12 Hr S/U Lmt) <sup>3</sup>		10
Total Hours		120

<sup>1</sup> A grade of C- or better is required.

<sup>2</sup> Students should consult their academic advisors to determine how to complete this requirement.

<sup>3</sup> Students should consult their academic advisors to determine which courses fill this requirement.

## Communication Skills Electives

Code	Title	Hours	Counts towards
<b>Communication Skills</b>			
AFS 248	Survey of African-American Literature	3	
AFS 349	African Literature in English	3	
AFS 375	African American Cinema	3	
AFS 448	African-American Literature	3	
AFS 548	African-American Literature	3	
COM 321	Survey of Rhetorical Theory	3	
COM 364	History of Film to 1940	3	
COM 374	History of Film From 1940	3	
COM 395	Studies in Rhetoric and Digital Media	3	
COM 411	Rhetorical Criticism	3	
COM 506	Verbal Data Analysis	3	
COM 514	History Of Rhetoric	3	
COM 516	Rhetorical Criticism: Theory and Practice	3	
COM 554	Contemporary Rhetorical Theory	3	
COM 581	Visual Rhetoric: Theory and Criticism	3	
ECI 405	Literature for Adolescents	3	
ENG 202	Disciplinary Perspectives in Writing	3	
ENG 206	Studies In Drama	3	
ENG 207	Studies in Poetry	3	
ENG 208	Studies In Fiction	3	
ENG 209	Introduction to Shakespeare	3	
ENG 210	Introduction to Language and Linguistics	3	
ENG 214	Introduction to Editing	3	
ENG 216	Technologies for Texts	3	

ENG 219	Studies in Great Works of Non-Western Literature	3	ENG 288	Fiction Writing	3
ENG 220	Studies in Great Works of Western Literature	3	ENG 289	Poetry Writing	3
ENG 221	Literature of the Western World I	3	ENG 292	Writing About Film	3
ENG 222	Literature of the Western World II	3	ENG 298	Special Projects in English	1-3
ENG 223	Contemporary World Literature I	3	ENG 305	Women and Literature	3
ENG 224	Contemporary World Literature II	3	ENG 308	Contemporary Issues in Ecofeminism	3
ENG 232	Literature and Medicine	3	ENG 314	Technical Document Design and Editing	3
ENG 246	Literature of the Holocaust	3	ENG 315	Phonetics	3
ENG 248	Survey of African-American Literature	3	ENG 316	Introduction to News and Article Writing	3
ENG 249	Native American Literature	3	ENG 317	Designing Networked Communications	3
ENG 251	Major British Writers	3	ENG 321	Survey of Rhetorical Theory	3
ENG 252	Major American Writers	3	ENG 323	Writing in the Rhetorical Tradition	3
ENG 255	Beyond Britain: Literature from Colonies of the British Empire	3	ENG 324	Modern English Syntax	3
ENG 260	Reading Literature and Exploring Textuality	3	ENG 325	Spoken and Written Traditions of American English Dialects	3
ENG 261	English Literature I	3	ENG 326	History of the English Language	3
ENG 262	English Literature II	3	ENG 327	Language and Gender	3
ENG 265	American Literature I	3	ENG 328	Language and Writing	3
ENG 266	American Literature II	3	ENG 329	Language in Globalization	3
ENG 267	LGBTQI Literature in the U.S.	3	ENG 330	Screenwriting	3
ENG 275	Literature and War	3	ENG 331	Communication for Engineering and Technology	3
ENG 281	Introduction to Creative Nonfiction	3	ENG 332	Communication for Business and Management	3
ENG 282	Introduction to Film	3	ENG 333	Communication for Science and Research	3
ENG 287	Explorations in Creative Writing	3	ENG 335	Language Development	3
			ENG 338	Speech Science	3
			ENG 339	Literature and Technology	3

ENG 340	Literature, Art, and Society	3	ENG 391	Special Topics in Modern Drama	3
ENG 341	Literature and Science	3	ENG 392	Major World Author	3
ENG 342	Literature of Space and Place	3	ENG 393	Studies in Literary Genre	3
ENG 349	African Literature in English	3	ENG 394	Studies in World Literature	3
ENG 350	Professional Internships	3	ENG 395	Studies in Rhetoric and Digital Media	3
ENG 359	Topics in Film Studies	3	ENG 399	Contemporary Literature	3
ENG 361	Studies in British Poetry	3	ENG 400	Applied Criticism	3
ENG 362	Studies in the British Novel	3	ENG 405	Literature for Adolescents	3
ENG 364	History of Film to 1940	3	ENG 406	Modernism	3
ENG 369	The American Novel of the 19th Century	3	ENG 407	Postmodernism	3
ENG 370	American Fiction, Twentieth Century and Beyond	3	ENG 410	Studies in Gender and Genre	3
ENG 372	American Poetry, Twentieth Century and Beyond	3	ENG 411	Rhetorical Criticism	3
ENG 374	History of Film From 1940	3	ENG 416	Advanced News and Article Writing	3
ENG 375	African American Cinema	3	ENG 417	Editorial and Opinion Writing	3
ENG 376	Science Fiction	3	ENG 420	Major American Author	3
ENG 377	Fantasy	3	ENG 421	Computer Documentation Design	3
ENG 378	Women & Film	3	ENG 422	Writing Theory and the Writing Process	3
ENG 380	Modern Drama	3	ENG 425	Analysis of Scientific and Technical Writing	3
ENG 381	Creative Nonfiction Writing Workshop	3	ENG 426	Analyzing Style	3
ENG 382	Film and Literature	3	ENG 430	Advanced Screenwriting	3
ENG 384	Introduction to Film Theory	3	ENG 439	Studies in English Renaissance Literature	3
ENG 385	Biblical Backgrounds of English Literature	3	ENG 448	African-American Literature	3
ENG 388	Intermediate Fiction Writing Workshop	3	ENG 451	Chaucer	3
ENG 389	Intermediate Poetry Writing Workshop	3	ENG 452	Medieval British Literature	3
ENG 390	Classical Backgrounds of English Literature	3	ENG 453	Studies in Nineteenth-Century British Literature	3
			ENG 455	Literacy in the U.S.	3

ENG 460	Major British Author	3	ENG 496	Seminar in Literary Criticism	3
ENG 462	18th-Century English Literature	3	ENG 498	Special Topics in English	1-6
ENG 463	The Victorian Period	3	ENG 499	Special Topics in Creative Writing	3
ENG 464	British Literature and the Founding of Empire	3	ENG 505	Writing Program Administration: Theory, Practice, and Research	3
ENG 465	British Literature and the Dissolution of Empire	3	ENG 506	Verbal Data Analysis	3
ENG 466	Transatlantic Literatures	3	ENG 507	Writing for Health and Environmental Sciences	3
ENG 467	American Colonial Literature	3	ENG 508	Usability Studies for Technical Communication	3
ENG 468	Studies in Nineteenth-Century American Literature	3	ENG 509	Old English Literature	3
ENG 470	American Literature, Twentieth Century and Beyond	3	ENG 510	Middle English Literature	3
ENG 476	Southern Literature	3	ENG 511	Theory and Research In Composition	3
ENG 480	Modern Drama	3	ENG 512	Theory and Research In Professional Writing	3
ENG 481	History of the Book	3	ENG 513	Empirical Research In Composition	3
ENG 482	Reading in the Digital Age	3	ENG 514	History Of Rhetoric	3
ENG 483	Literature and Media	3	ENG 515	Rhetoric Of Science and Technology	3
ENG 486	Shakespeare, The Earlier Plays	3	ENG 516	Rhetorical Criticism: Theory and Practice	3
ENG 487	Shakespeare, The Later Plays	3	ENG 517	Advanced Technical Writing, Editing and Document Design	3
ENG 488	Advanced Fiction Writing Workshop	3	ENG 518	Publication Management for Technical Communicators	3
ENG 489	Advanced Poetry Writing Workshop	3	ENG 519	Online Information Design and Evaluation	3
ENG 490	Studies in Medieval Literature	3	ENG 520	Science Writing for the Media	3
ENG 491	Honors in English	3			
ENG 492	Special Topics in Film Styles and Genres	3			
ENG 494	Special Topics in Linguistics	3			
ENG 495	Studies in Literature	3			

ENG 522	Writing in Nonacademic Settings	3	ENG 561	Milton	3
ENG 523	Language Variation Research Seminar	3	ENG 562	18TH-Century English Literature	3
ENG 524	Introduction to Linguistics	3	ENG 563	18TH-Century English Novel	3
ENG 525	Variety In Language	3	ENG 564	Victorian Novel	3
ENG 527	Discourse Analysis	3	ENG 565	American Realism and Naturalism	3
ENG 528	Sociophonetics	3	ENG 570	20TH-Century British Prose	3
ENG 529	16th-Century Non-Dramatic English Literature	3	ENG 571	20TH-Century British Poetry	3
ENG 530	17th-Century English Literature	3	ENG 572	Modern British Drama	3
ENG 531	American Colonial Literature	3	ENG 573	Modern American Drama	3
ENG 532	Narrative Analysis	3	ENG 575	Southern Writers	3
ENG 533	Bilingualism and Language Contact	3	ENG 576	20TH-Century American Poetry	3
ENG 534	Quantitative Analysis in Sociolinguistics	3	ENG 577	20th-Century American Prose	3
ENG 536	Research Methods in Phonology	3	ENG 578	English Drama To 1642	3
ENG 539	Seminar In World Literature	3	ENG 579	Restoration and 18th-Century Drama	3
ENG 540	History Of Literary Criticism	3	ENG 580	Literary Postmodernism	3
ENG 541	Literary and Cultural Theory	3	ENG 581	Visual Rhetoric: Theory and Criticism	3
ENG 543	Introduction to Digital Humanities	3	ENG 582	Studies in Literature	3
ENG 548	African-American Literature	3	ENG 583	Studies In Rhetoric and Writing	3
ENG 549	Modern African Literature	3	ENG 584	Studies In Linguistics	3
ENG 550	British Romantic Period	3	ENG 585	Studies In Film	3
ENG 551	Chaucer	3	ENG 586	Studies In Theory	3
ENG 554	Contemporary Rhetorical Theory	3	ENG 587	Interdisciplinary Studies in English	3
ENG 555	American Romantic Period	3	ENG 588	Fiction Writing Workshop	3
ENG 558	Studies In Shakespeare	3	ENG 589	Poetry Writing Workshop	3
ENG 560	British Victorian Period	3	ENG 590	Studies In Creative Writing	3
			ENG 591	Studies in National Cinemas	3
			ENG 592	Special Topics in Film Styles and Genres	1-6
			ENG 722	Linguistics and Literacy	3

ENG 727	Discourse Analysis	3
FL 219	Studies in Great Works of Non-Western Literature	3
FL 220	Studies in Great Works of Western Literature	3
FL 221	Literature of the Western World I	3
FL 222	Literature of the Western World II	3
FL 223	Contemporary World Literature I	3
FL 224	Contemporary World Literature II	3
FL 246	Literature of the Holocaust	3
FL 275	Literature and War	3
FL 392	Major World Author	3
FL 393	Studies in Literary Genre	3
FL 394	Studies in World Literature	3
FL 406	Modernism	3
FL 407	Postmodernism	3
FL 539	Seminar In World Literature	3
FL 541	Literary and Cultural Theory	3
WGS 305	Women and Literature	3
WGS 308	Contemporary Issues in Ecofeminism	3
WGS 327	Language and Gender	3
WGS 410	Studies in Gender and Genre	3
<b>COM</b>		
Maximum of 3 credits		
COM 110	Public Speaking	3
COM 112	Interpersonal Communication	3
COM 200	Communication Media in a Changing World	3
COM 201	Introduction to Persuasion Theory	3

COM 202	Small Group Communication	3
COM 211	Argumentation and Advocacy	3
COM 226	Introduction to Public Relations	3
COM 230	Introduction to Communication Theory	3
COM 240	Communication Inquiry	3
COM 250	Communication and Technology	3
COM 257	Media History and Theory	3
COM 267	Electronic Media Writing: Theory and Practice	3
COM 289	Science Communication and Public Engagement	3
COM 292	Language, Communication, and Culture	3
COM 296	Communication Internship-Non-Local	1
COM 298	Special Projects in Communication	1-3
COM 301	Presentational Speaking	3
COM 307	Digital Audio Production	3
COM 316	Public Relations Writing	3
COM 317	Television Production	3
COM 321	Survey of Rhetorical Theory	3
COM 322	Nonverbal Communication	3
COM 327	Critical Analysis of Communication Media	3
COM 332	Relational Communication	3
COM 336	Newsletter Writing and Production	3
COM 342	Qualitative Research Methods in Communication	3
COM 346	Case Studies in Public Relations	3

COM 357	Digital Video Production	3	COM 467	Advanced Topics in Gender and Communication	3
COM 362	Communication and Gender	3	COM 476	Public Relations Campaigns	3
COM 364	History of Film to 1940	3	COM 477	Mobile Communication	3
COM 367	Multimedia Production and Digital Culture	3	COM 479	Climate Change Communication	3
COM 374	History of Film From 1940	3	COM 484	Advanced Television Production	3
COM 386	Quantitative Communication Research Methods	3	COM 487	Internet and Society	3
COM 392	International and Crosscultural Communication	3	COM 493	Advanced Topics in Public Relations	3
COM 395	Studies in Rhetoric and Digital Media	3	COM 496	Communication Internship	3
COM 402	Advanced Group Communication	3	COM 497	Advanced Topics in Media Studies	3
COM 407	Advanced Digital Audio	3	COM 498	Advanced Topic in Communication	1-3
COM 411	Rhetorical Criticism	3	COM 499	Advanced Independent Research	1-3
COM 417	Communication & Race	3	COM 506	Verbal Data Analysis	3
COM 421	Communication Law	3	COM 508	Emerging Technologies and Society	3
COM 427	Game Studies	3	COM 514	History Of Rhetoric	3
COM 431	Communication in Political Campaigns	3	COM 516	Rhetorical Criticism: Theory and Practice	3
COM 436	Environmental Communication	3	COM 521	Communication and Globalization	3
COM 437	Advanced Digital Video	3	COM 522	Critical Approaches to Organizational Communication	3
COM 441	Ethical Issues in Communication	3	COM 523	International and Intercultural Communication	3
COM 442	Communication and Conflict Management	3	COM 525	Group/Team Communication	3
COM 444	Film Production	3	COM 526	Media Economics	3
COM 447	Communication and Globalization	3	COM 527	Seminar in Organizational Conflict Management	3
COM 451	Visual Rhetoric	3	COM 528	Communication Culture and Technology	3
COM 456	Organizational Communication	3	COM 529	Communication Campaigns	3
COM 457	Media and the Family	3			
COM 466	Nonprofit Leadership & Development	3			



COM 530	Interpersonal Communication in Science and Technology Organizations	3	COM 585	Teaching College Communication	3
COM 532	Communication Consulting	3	COM 587	Internet & Society	3
COM 536	Seminar in Environmental Communication	3	COM 598	Special Topics In Communication	1-6
COM 537	Gaming and Social Networks	3	ENG 320	Anatomy and Physiology of Speech	3
COM 538	Risk Communication	3	ENG 321	Survey of Rhetorical Theory	3
COM 539	Fund Development	3	ENG 338	Speech Science	3
COM 540	Critical and Interpretive Inquiry in Communication	3	ENG 364	History of Film to 1940	3
COM 541	Quantitative Research Methods in Applied Communication	3	ENG 374	History of Film From 1940	3
COM 542	Qualitative Research Methods in Applied Communication	3	ENG 395	Studies in Rhetoric and Digital Media	3
COM 543	Visual Content Analysis	3	ENG 411	Rhetorical Criticism	3
COM 546	Nonprofit Marketing and Public Relations	3	ENG 506	Verbal Data Analysis	3
COM 547	Mobile Media and Communication	3	ENG 514	History Of Rhetoric	3
COM 554	Contemporary Rhetorical Theory	3	ENG 516	Rhetorical Criticism: Theory and Practice	3
COM 556	Seminar In Organizational Communication	3	ENG 554	Contemporary Rhetorical Theory	3
COM 561	Human Communication Theory	3	ENG 581	Visual Rhetoric: Theory and Criticism	3
COM 562	Communication and Social Change	3	GES 508	Emerging Technologies and Society	3
COM 563	Public Relations Theory	3	HSS 392	International and Crosscultural Communication	3
COM 566	Seminar In Crisis Communication	3	PA 539	Fund Development	3
COM 579	Climate Change Communication	3	THE 103	Introduction to the Theater	3
COM 581	Visual Rhetoric: Theory and Criticism	3	THE 203	Theory and Practice of Acting	3
			THE 223	Stagecraft	3
			THE 293	Theater Practicum	1-6
			THE 303	Stage Directing	3
			THE 334	Advanced Acting	3
			THE 340	African American Theatre	3
			WGS 362	Communication and Gender	3

## Economics Electives

Code	Title	Hours	Counts towards
ARE 201	Introduction to Agricultural & Resource Economics	3	
ARE 201A	Introduction to Agricultural & Resource Economics	3	
EC 201	Principles of Microeconomics	3	
EC 205	Fundamentals of Economics	3	

## External Learning Experience Electives

Code	Title	Hours	Counts towards
ES 496	Environmental Science Internship	1-3	
ES 497	Professional Development in Environmental Science	1-3	
ES 498	Research in Environmental Science	1-3	
ES 499	Thesis in Environmental Science	3	

## Semester Sequence

This is a sample.

### First Year

Fall Semester	Hours
ENG 101 Academic Writing and Research <sup>1</sup>	4
ENV 100 Student Success in Environmental First Year	1
ENV 101 Exploring the Environment	2
BIO 181 Introductory Biology: Ecology, Evolution, and Biodiversity	4
MA 131 Calculus for Life and Management Sciences A	3
GEP Health and Exercise Studies ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/</a> )	1
Hours	15

### Spring Semester

CH 101 Chemistry - A Molecular Science	3
CH 102 General Chemistry Laboratory	1
ES 111 Applications of Environmental Sciences <sup>1</sup>	1
MA 231 Calculus for Life and Management Sciences B	3
ES 100 Introduction to Environmental Sciences <sup>1</sup>	3

GEP Humanities ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/</a> )	3
Hours	14

### Second Year

#### Fall Semester

PY 211 College Physics I	4
CH 220 Introductory Organic Chemistry & CH 222 and Organic Chemistry I Lab	4
Communications Requirement	3
Free Elective	3
GEP Health and Exercise Studies ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/</a> )	1

Hours 15

#### Spring Semester

PY 212 College Physics II	4
ES 200 Climate Change and Sustainability <sup>1</sup>	3
ST 311 Introduction to Statistics	3
BIO 183 Introductory Biology: Cellular and Molecular Biology	4
Free Elective	3

Hours 17

### Third Year

#### Fall Semester

ES 300 Energy and Environment <sup>1</sup>	3
ARE 201 Introduction to Agricultural & Resource Economics	3
Advised Elective I <sup>3</sup>	3
Communications Requirement	3
Focal Area I <sup>2</sup>	3

Hours 15

#### Spring Semester

Focal Area II <sup>2</sup>	3
Advised Elective II <sup>3</sup>	3
SSC 200 Soil Science & SSC 201 and Soil Science Laboratory	4
GEP Additional Breadth ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/</a> ) (Humanities/Social Sciences/Visual and Performing Arts)	3
Free Elective	3

Hours 16

### Fourth Year

#### Fall Semester

PS 320 U.S. Environmental Law and Politics	3
External Learning Experience	3
Focal Area III <sup>2</sup>	3
Advised Elective III <sup>3</sup>	3
GEP Humanities ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/</a> )	3

Hours 15

#### Spring Semester

ES 400 Analysis of Environmental Issues <sup>1</sup>	3
Analytical Skills Requirement	3

Focal Area IV <sup>2</sup>	3
Focal Area V <sup>2</sup>	3
Free Elective <sup>2</sup>	1
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Hours	13
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Total Hours	120

<sup>1</sup> Must be completed with a grade of C- or higher.

<sup>2</sup> See adviser to determine a relevant focal area and related course selections.

<sup>3</sup> Advised Electives (9 credit hours) are to be selected in consultation with your adviser and need to focus on Environmental Science. At least 6 hours must be at the 400-level or above.

## Career Opportunities

The Environmental Sciences program provides opportunities for students to rigorously explore complex, interdisciplinary environmental issues by combining courses from a number of NC State colleges to create a thorough interdisciplinary grounding. All degree options encourage students to pursue original research and gain field experience tackling real-world challenges — leaving them well prepared to take advantage of career opportunities once they graduate. Some graduates find jobs in the environmental industry, including careers as environmental consultants, working in large corporations, or starting their own businesses. Others find careers working in federal, state, and local agencies with environmental mandates. Still others continue their educations in professional and graduate schools.