

ENVIRONMENTAL SCIENCE, A.S.-B.S.

This is a suggested course plan. It is highly recommended that you meet regularly with your academic advisor to determine your course selection and progress toward graduation.

Students who transfer to UNC under the Comprehensive Articulation Agreement (CAA) have all lower-level General Education requirements completed, but must complete these requirements through transfer or UNC coursework: Global Language (<http://catalog.unc.edu/undergraduate/ideas-in-action/global-language/>), Research and Discovery (<http://catalog.unc.edu/undergraduate/ideas-in-action/research-discovery/>), Lifetime Fitness (<http://catalog.unc.edu/undergraduate/ideas-in-action/lifetime-fitness/>), Communication Beyond Carolina (<http://catalog.unc.edu/undergraduate/ideas-in-action/communication-beyond/>), Campus Life Experience (<http://catalog.unc.edu/undergraduate/ideas-in-action/campus-life-experience/>), and, where applicable, Supplemental General Education. Students who do not transfer in under the CAA should work closely with their advisor to determine which requirements apply to them for the IDEAs in Action General Education curriculum (<http://catalog.unc.edu/undergraduate/ideas-in-action/>).

This catalog also includes a complete list of requirements for the Environmental Science, B.S. degree (<http://catalog.unc.edu/undergraduate/programs-study/environmental-science-bs/#requirementstext>).

North Carolina Community College

UGETC Curriculum

Code	Title	Hours
UGETC	English composition (ENG 111 + ENG 112 = UNC ENGL 105)	6
UGETC	Humanities/Fine Arts/Communication (2 courses from at least 2 different disciplines; see UGETC list below)	6
ECO 251	Principles of Microeconomics (ECO 251 + 252 = UNC ECON 101 + GENR 119) ³	3
UGETC	Social and Behavioral Sciences (1 courses from a discipline other than economics; see UGETC list below)	3
MAT 271	Calculus I (UNC MATH 231 + MATH 129P + MATH 110P) ¹	4
MAT 272	Calculus II (UNC MATH 232 + MATH 110P) ¹	4
CHM 151 & 152	General Chemistry I & II (UNC CHEM 101/101L + CHEM 102/102L) ¹	8
Total Hours		34

Additional General Education Courses

Code	Title	Hours
XXX 111	Foreign Language Level 1	3
XXX 112	Foreign Language Level 2	3
XXX 211	Foreign Language Level 3 ⁴	3
ECO 252	Principles of Microeconomics (ECO 251 + 252 = UNC ECON 101 + GENR 119) ³	3
Total Hours		12

Other Required Hours

Code	Title	Hours
ACA 122	College Transfer Success (UNC GENR ---)	1
MAT 152	Statistical Methods I (UNC STOR 155) ²	4
One of: ²		3
CSC 134	C++ Programing (UNC COMP 110)	
CSC 151	Java Programing (UNC COMP 110)	
Electives Counting Toward UNC Minor ⁵		6
Total Hours		14

Code	Title	Hours
Total Community College Hours		60-61

¹ Required in the major.

² Counts in the major.

³ The department recommends ECON 101 as an elective for majors. In order to receive transfer credit for ECON 101 at UNC, both ECO 251 and ECO 252 must be completed.






⁴ All NC Community College Language courses numbered 211 are approved to transfer to UNC-Chapel Hill as a course that completes the GLBL-LANG IDEAs in Action requirement.

⁵ Students are required to earn a minor in an allied science, such as biology, chemistry, computer science, geography, geographic information sciences, geology, information science, marine science, mathematics, physics, or statistics and analytics. It is recommended that students select a minor that they can complete 6 hours of credit for at the NCCC or a minor where they can apply at least 6 hours of coursework from the Environmental Science B.S. toward the minor as well.

Student must take at least nine hours of their minor "core" requirements at UNC-Chapel Hill. Some courses that apply toward applicable minors may be available at the NCCC, but students should keep this policy in mind when planning which minor courses to take at the NCCC or at UNC.

UNC-Chapel Hill





Semester 5

Code	Title	Hours
ENEC 201	 Introduction to Environment and Society ^{1, H, F}	4
One of: ¹		4
BIOL 101 & 101L	 Principles of Biology and  Introductory Biology Laboratory ^{2, H, F}	
PHYS 114	 General Physics I: For Students of the Life Sciences ^{2, F}	
PHYS 118	 Introductory Calculus-based Mechanics and Relativity ^{2, H, F}	
One earth system science course ¹		3-4
Lifetime Fitness (http://catalog.unc.edu/undergraduate/ideas-in-action/lifetime-fitness/)		1
Minor course #3, Elective, or IDEAs in Action Requirement ^{1, 4}		3
Total Hours		15-16

^H Honors version available. An honors course fulfills the same requirements as the nonhonors version of that course. Enrollment and GPA restrictions may apply.

F FY-Launch class sections may be available. A FY-Launch section fulfills the same requirements as a standard section of that course, but also fulfills the FY-SEMINAR/FY-LAUNCH First-Year Foundations requirement. Students can search for FY-Launch sections in ConnectCarolina using the FY-LAUNCH attribute.

Semester 6

Code	Title	Hours
ENEC 203	 Introduction to Environmental Science Problem Solving ¹	3
or ENEC 415	Environmental Systems Modeling	
or MATH 528	Mathematical Methods for the Physical Sciences I	
or MATH 564	Mathematical Modeling in the Life Sciences	
ENEC 698	Capstone: Analysis and Solution of Environmental Problems ^{1,5}	3
or ENEC 694H	 Honors Project in Environmental Sciences and Studies	
One of: ¹		4
BIOL 201	Ecology and Evolution ^{2,H}	
PHYS 115	 General Physics II: For Students of the Life Sciences ^{2,F}	
PHYS 119	 Introductory Calculus-based Electromagnetism and Quanta ^{2,H,F}	
Concentration Course #1 ^{1,3}		3
Minor course #4, Elective, or IDEAs in Action Requirement ^{1,4}		3
Total Hours		16

H Honors version available. An honors course fulfills the same requirements as the nonhonors version of that course. Enrollment and GPA restrictions may apply.

F FY-Launch class sections may be available. A FY-Launch section fulfills the same requirements as a standard section of that course, but also fulfills the FY-SEMINAR/FY-LAUNCH First-Year Foundations requirement. Students can search for FY-Launch sections in ConnectCarolina using the FY-LAUNCH attribute.

Semester 7

Code	Title	Hours
One course from selected analytical skills option ^{1,3}		3-4
Concentration Course #2 ^{1,3}		3
Concentration Course #3 ^{1,3}		3
Minor course #5, Elective, or IDEAs in Action Requirement ^{1,4}		3
Elective or IDEAs in Action Requirement		3
Total Hours		15-16

Semester 8

Code	Title	Hours
One course from selected analytical skills option ^{1,3}		3-4
Concentration Course #4 ^{1,3}		3
Concentration Course #5 ^{1,3}		3
Elective or IDEAs in Action Requirement		6
Total Hours		15-16

¹ Required in the major.

² Counts in the major.

³ Full course lists for the earth system science, analytical skills, and concentrations courses can be found on the degree requirements (<http://catalog.unc.edu/undergraduate/programs-study/environmental-science-bs/#requirementstext>).

⁴ Students are required to earn a minor in an allied science, such as biology, chemistry, computer science, geography, geographic information sciences, geology, information science, marine science, mathematics, physics, or statistics and analytics. For the purposes of this pathway, we are assuming that students are able to count six hours (two courses) toward their minor that were either taken at the NCCC or can double count in the Environmental Science B.S. degree, so only three of the five required minor courses are included at UNC. Student must take at least nine hours of their minor "core" requirements at UNC-Chapel Hill. Some courses that apply toward applicable minors may be available at the NCCC, but students should keep this policy in mind when planning which minor courses to take at the NCCC or at UNC.

⁵ IDEAs In Action Requirements: ENEC 694H fulfills RESEARCH.

UGETC Course List (A.S. Curriculum)

Code	Title	Hours
English Composition (two courses)		6
ENG 111	Writing & Inquiry ¹	
ENG 112	Writing/Research in the Disciplines ¹	
Humanities/Fine Arts (two courses from at least two different disciplines)		6
ART 111	Art Appreciation (UNC GENR 111)	
ART 114	Art History Survey I (UNC ARTH 151)	
ART 115	Art History Survey II (UNC ARTH 152)	
COM 120	Introduction to Interpersonal Communication (UNC COMM 120), OR	
COM 231	Public Speaking (UNC COMM 113)	
DRA 111	Theatre Appreciation (UNC DRAM 116)	
ENG 231	American Literature I (UNC ENGL 128) ²	
ENG 232	American Literature II (UNC ENGL 128) ²	
ENG 241	British Literature I (UNC ENGL 120) ²	
ENG 242	British Literature II (UNC ENGL 121) ²	
MUS 110	Music Appreciation (UNC MUSC 141)	
MUS 112	Introduction to Jazz (UNC MUSC 145)	
PHI 215	Philosophical Issues (UNC PHIL 101) ²	
PHI 240	Introduction to Ethics (UNC PHIL 160) ²	
Social/Behavioral Science (two courses from at least two different disciplines)		6
ECO 251	Principles of Microeconomics (UNC GENR 119) ³	
ECO 252	Principles of Microeconomics (UNC GENR 119) ³	
HIS 111	World Civilizations I (UNC GENR 113)	
HIS 112	World Civilizations II (UNC GENR 113)	
HIS 131	American History I (UNC HIST 127)	
HIS 132	American History II (UNC HIST 128)	
POL 120	American Government (UNC POLI 100)	
PSY 150	General Psychology (UNC PSYC 101)	
SOC 210	Introduction to Sociology (UNC SOCI 101)	
Mathematics (select two courses)		8
MAT 171	Precalculus Algebra (UNC MATH 110P)	

MAT 172	Pre-calculus Trigonometry (UNC MATH 130 + MATH 110P)	
MAT 263	Brief Calculus (UNC MATH 152 + MATH 110P)	
MAT 271	Calculus I (UNC MATH 231 + MATH 129P + MATH 110P)	
MAT 272	Calculus II (UNC MATH 232 + MATH 110P)	
Natural Sciences (select 8 SCH from the following courses):		8
AST 151/151A	General Astronomy I and Lab (UNC ASTR 101/100L)	
BIO 110	Principles of Biology (UNC GENR 116)	
BIO 111 & 112	General Biology I & II (UNC BIOL 101/101L + BIOL 103 + BIOL 104)	
CHM 151 & 152	General Chemistry I & II (UNC CHEM 101/101L +CHEM 102/102L)	
GEL 111	Introduction Geology (UNC EMES 101/101L)	
PHY 110/110A	Conceptual Physics and Lab (UNC PHYS 101)	
PHYS 151 & 152	College Physics I & II (UNC PHYS 114 + PHYS 115)	
PHYS 251 & 252	General Physics I & II (UNC PHYS 118 + PHYS 119)	
Total Hours		34

IDEAs In Action Requirements not covered by the North Carolina Comprehensive Articulation Agreement that could be completed at the Community College:

COM 231 (UNC COMM 113) can fulfill COMMBEYOND; COM 120 (UNC COMM 120), CHM 251² (UNC CHEM 261 + CHEM 262L) or CHM 252² (UNC CHEM 262 + CHEM 262L) can fulfill RESEARCH, and PED 110 (LFIT 998) can fulfill LIFE-FIT.

¹ Students who complete both ENG 111 and 112 receive credit for UNC ENGL 100 + ENGL 105.

² Course may have prerequisite(s). Consult the North Carolina Community College Combined Course Library (<https://www.nccommunitycolleges.edu/academic-programs/combined-course-library/>) for most current information.

³ ECO 251 + 252 = UNC ECON 101 + UNC GENR 119.

Additional Resources

Applying to Carolina

- The Office of Undergraduate Admissions (<https://admissions.unc.edu/apply/types-of-applications/transfer/>) provides information about the application process for transfer students.

Advising and Community College Course Selection

- For UGETC, Pre-Major, Elective, or GEC course options, please refer to the Comprehensive Articulation Agreement transfer course list (<https://www.nccommunitycolleges.edu/academic-programs/college-transferarticulation-agreements/comprehensive-articulation-agreement-caa/>).
- Students should work with their community college academic advisor to ensure appropriate course selection for AA/AS degree completion.

Additional Resources

- To find out how your N.C. community college coursework will transfer to UNC, please view the transfer credit list (https://tes.collegesource.com/publicview/TES_publicview01.aspx?rid=ff81c5a2-3ec7-4b31-a7fb-04e2fd5f0345&aid=ca8ebc64-42ca-4a2d-b16b-f8f68bbb6767) for your community college campus.