

GEOLOGICAL SCIENCES— EARTH SCIENCE CONCENTRATION, 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 Geological Sciences—Earth Science Concentration B.S. degree (<http://catalog.unc.edu/undergraduate/programs-study/geological-sciences-major-bs-earth-science-concentration/#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
UGETC	Social and Behavioral Sciences (2 courses from at least 2 different disciplines; see UGETC list below)	6
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	General Chemistry I (UNC CHEM 101/101L) ¹	4
CHM 152	General Chemistry II (UNC CHEM 102/102L) ¹	4
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 ³	3
One of:		4
PHY 151	College Physics I (UNC PHYS 114) ²	

PHY 251	General Physics I (UNC PHYS 118) ²	
Total Hours		13

Other Required Hours

Code	Title	Hours
ACA 122	College Transfer Success (UNC GENR →)	1
One of:		3-4
CSC 134	C++ Programming (UNC COMP 110) ²	
CSC 151	JAVA Programming (UNC COMP 110) ²	
MAT 152	Statistical Methods I (UNC STOR 155) ²	
One of:		4
BIO 111	General Biology (UNC BIOL 101/101L + BIOL 103) ²	
PHY 152	College Physics II (UNC PHYS 115) ²	
PHY 252	General Physics II (UNC PHYS 119) ²	
CHM 131 & CHM 131A	Intro to Chemistry & Intro to Chemistry Lab (UNC CHEM 200) ²	
Electives		4-5
Total Hours		13

Code	Title	Hours
Total Community College Hours		60


¹ Required in the major.

² Counts in the major.


³ 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.

UNC-Chapel Hill

Semester 5

Code	Title	Hours
EMES 200	 The Solid Earth (Fall Only) ¹	3
GEOL	Geology Core Courses ^{1,2}	7
Science Elective #1	^{1,3}	3
Science Elective #2	^{1,3}	3
Total Hours		16

Semester 6

Code	Title	Hours
EMES 201	 Earth's Surface: Processes, Landforms, and History (Spring Only) ¹	3
GEOL	Geology Core Courses ^{1,2}	6
GEOL	Geology Course Numbered Above 300 ^{1,4}	3
Science Elective #3	^{1,3}	3
Minor course #2, Elective, or IDEAs in Action Requirement ⁶		3
Total Hours		18

Semester 7

Code	Title	Hours
GEOL	Geology Courses Numbered Above 300 ^{1,3}	3
Capstone Course #1	^{1,5}	3
Science Elective #4	^{1,3}	3
Science Elective #5	^{1,3}	3
Lifetime Fitness (http://catalog.unc.edu/undergraduate/ideas-in-action/lifetime-fitness/)		1

Minor course #3, Elective, or IDEAs in Action Requirement ⁶	3
Total Hours	16

Semester 8

Code	Title	Hours
GEOL	Geology Course Numbered Above 300 ^{1,4}	6
Capstone Course #2 ^{1,5}		3
Minor course #4, Elective, or IDEAs in Action Requirement ⁶		3
Minor course #5, Elective, or IDEAs in Action Requirement ⁶		3
Total Hours		15

¹ Required in the major.

GEOL courses numbered above 101 are offered once per year. Courses that are always offered in spring or fall have been noted on the above recommended course plan. Other courses may vary between terms and students should take this into account during course planning.

² 13 credit hours from the following options: EMES 301 (Fall Only), EMES 302 (Fall Only), EMES 303 (Spring Only), EMES 304 (Spring Only), EMES 306, EMES 405, EMES 406, or EMES 417.

³ The list of science electives not otherwise required for the major can be found on the degree requirements (<http://catalog.unc.edu/undergraduate/programs-study/geological-sciences-major-bs-earth-science-concentration/#requirements-text>).

⁴ Four geology courses (12 hours) numbered above 300 and not otherwise required for the major.

⁵ Capstone requirement can be completed with one of the following: EMES 485 & EMES 486, EMES 691H & EMES 692H, 6 total credits of GEOL 395, or 6 total credits of Science-oriented Experiential Education (EE) Courses. Use of Science-oriented Experiential Education (EE) Courses must be pre-approved by the Director of Undergraduate Studies.

IDEAs In Action Requirements: EMES 691H fulfills RESEARCH, EMES 692H fulfills RESEARCH.

⁶ Minors at UNC are typically comprised of five courses, totaling 15 credit hours. The remaining course to complete a minor may overlap with a major requirement, be completed at the NCCC and transferred, be taken over the summer, or be taken in an earlier term. Students are encouraged to work closely with their advisor to plan the course sequence for a minor if they choose to complete one.

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.ncccommunitycolleges.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.