



Baccalaureate Degree Plan

NCCCS Associate in Arts **or** Associate in Science
transfer to
East Carolina University, **BS GEOLOGY**

The core curriculum of the Geology, BS provides a solid foundation of geoscience knowledge that prepares students for current and future job opportunities and to attend graduate school.

The degree offers two concentrations:

- Professional or
- Applied Research

The professional concentration is designed for students desiring to receive the degree with a strong background in geology and additional mathematics and science courses that will make them very competitive in the job market.

The applied research concentration is designed for students desiring to pursue advanced degrees with an emphasis on research in earth sciences.

As a transfer student, it is important to contact an ECU Academic Advisor, thcasadvising@ecu.edu, as soon as possible.

An example of how to plan your first 2 years of the traditional 4 years of study is included at the end of this document. However, depending on when you transfer and how many recommended courses you take at the community college, it may take longer than 4 years to complete any degree at ECU.

Recommended courses to take at a North Carolina Community College

CHM 151	GEL 111	MAT 171
CHM 152	GEL 113	MAT 172*
		MAT 271
ENG 111	HEA 110	
ENG 112		PHY 151

*MAT 172 is not required for this degree, but is a pre-requisite at the community college for MAT 271.

- Other courses to complete an AA or AS are student's choice; no other current department recommendations. Other equivalent courses may be listed in the degree requirements.
- Completion of an approved NCCCS AA or AS waives the General Education requirement. For more information about the waiver, [click here](#).
- For more information about General Education Core Requirements at ECU, and a list of specific course options, click [here](#).
- You do not have to complete all NCCCS equivalents or recommended courses before transferring. However, taking minimal recommendations may prolong your time to degree at ECU.

Degree Requirements

General Education Core Requirements

40 semester hours credit required; completion of an approved AA or AS waives this requirement, with the exception of Health Promotion and Health-Related Physical Activity.

Competency	Semester Hour Credits Required	Notes
Written Communication	6	<i>ENG 111 and ENG 112 should be taken at the community college to satisfy this competency.</i>
Humanities & Fine Arts	9	<i>At least one class should be labeled as Humanities (HU) and one should be labeled as Fine Arts (FA).</i>
Social Sciences	9	<i>NCCCS HIS courses are not considered a social science at ECU.</i>
Natural Sciences	7	<i>One course must include a lab.</i>
Mathematics	3	<i>Choose MAT 171.</i>
Health Promotion and Health-Related Physical Activity	3	<i>HEA 110 should be taken at the community college to satisfy this competency.</i>

Specific General Education Requirements	<p>As part of completing the 40 required hours, please include the following course:</p> <p style="margin-left: 20px;">CHEM 1150 - General Chemistry I CHEM 1151 - General Chemistry Laboratory I CHEM 1160 - General Chemistry II MATH 1065 - College Algebra or higher approved general education mathematics course</p>	<p style="text-align: center;"><i>NCCCS Equivalents</i></p> <p style="text-align: center;"><i>CHM 151</i></p> <p style="text-align: center;"><i>CHM 152 MAT 171</i></p>
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Core	<p>Complete 43 hours.</p> <p style="margin-left: 20px;">GEOL 1500 - Dynamic Earth GEOL 1501 - Dynamic Earth Laboratory GEOL 1600 - Earth and Life Through Time GEOL 2000 - Quantitative Methods in the Geological Sciences GEOL 2300 - Current Topics in Geoscience GEOL 3070 - Earth Materials and Resources GEOL 3071 - Earth Materials and Resources Laboratory GEOL 3170 - Modern Petrology GEOL 3171 - Modern Petrology Laboratory GEOL 3200 - Introduction to Field Methods GEOL 3201 - Introduction to Field Methods Laboratory GEOL 3300 - Structural Geology GEOL 3301 - Structural Geology Laboratory GEOL 3500 - Hydrogeology and the Environment GEOL 3501 - Hydrogeology and the Environment Laboratory GEOL 4000 - Summer Field Course in Geology GEOL 4010 - Sedimentology GEOL 4011 - Sedimentology Laboratory GEOL 4300 - Stratigraphy and Paleontology GEOL 4301 - Stratigraphy and Paleontology Laboratory</p>	<p style="text-align: center;"><i>NCCCS Equivalents</i></p> <p style="text-align: center;"><i>GEL 111</i></p> <p style="text-align: center;"><i>GEL 113</i></p>
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Concentrations	Complete 6-9 hours by choosing one of the concentrations.	<i>NCCCS Equivalents</i>
Applied Research	Complete 6 hours: GEOL 4500 - Research in Geological Sciences (3 s.h.) Choose 3 s.h. of GEOL electives (3000-level or higher).	
Professional	Choose 9 s.h. of GEOL electives with at least 6 s.h. at the 3000-level or higher.	
Cognates	Complete 22-26 hours based on chosen concentration.	
Applied Research	CHEM 1161 - General Chemistry Laboratory II MATH 2228 - Elementary Statistical Methods I PHYS 1250 - General Physics I PHYS 1251 - General Physics Laboratory I PHYS 1260 - General Physics II PHYS 1261 - General Physics Laboratory II GEOG 3430 - Geographic Information Systems I or PLAN 3430 - Geographic Information Systems I MATH 2121 - Calculus for the Life Sciences I or MATH 2171 - Calculus I MATH 2122 - Calculus for the Life Sciences II or MATH 2172 - Calculus II Choose 4 s.h. of approved BIOL, CHEM, and/or PHYS courses.	<i>CHM 152 MAT 152 PHY 151 PHY 152 MATH 263 MATH 271 MATH 272</i>
Professional	CHEM 1161 - General Chemistry Laboratory II MATH 2228 - Elementary Statistical Methods I PHYS 1250 - General Physics I PHYS 1251 - General Physics Laboratory I GEOG 3430 - Geographic Information Systems I or PLAN 3430 - Geographic Information Systems I MATH 2121 - Calculus for the Life Sciences I or MATH 2171 - Calculus I Choose 8 s.h. of approved BIOL, CHEM, and/or PHYS courses.	<i>CHM 152 MAT 152 PHY 151 MAT 263 MAT 271</i>
Electives	Complete electives to meet requirements for graduation.	

*GIS 111, 112, 249, and 261 are not approved transfer courses under the CAA. Students are not expected to complete these courses before transfer; however, if you do take these courses, they will transfer toward your degree at ECU.

Potential 2 Year Map for BS GEOLOGY
An example of courses to take at your community college.

First Semester at NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
ENG 111	ENGL 1100
Humanities/Fine Arts course	
GEL 111	GEOL 1500, 1501
MAT 171	MATH 1065
ACA 122	COAD 1XXX

Second Semester at NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
CHM 151	CHEM 1150, 1151
GEL 113 (or Additional General Education course)	GEOL 1600
Humanities/Fine Arts course	
Social Behavioral Science course	
HEA 110	HLTH 1000/KINE 1000

Third Semester at a NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
ENG 112	ENGL 2201
PHY 151	PHYS 1250, 1251
Social Behavioral Science course	
Additional General Education course	
Humanities/Fine Arts course or 2 nd MAT 172	MATH 1083

Fourth Semester at a NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
MAT 271	MATH 2171
Social Behavioral Science course or CHM 152	CHEM 1160, 1161
Elective course	
Elective course	
<i>Elective course (if needed)</i>	

- Schedule at ECU will depend on courses completed at the community college and semester of entry (fall or spring).
- You should email thcasadvising@ecu.edu as soon as possible for more specialized advising.
- This schedule is dependent on taking full-time course loads; however, it may not be realistic to take a full-time course load if you are working full-time or part-time, are a caregiver, or have other obligations.
Ask your advisor how you can be most successful.