



## Baccalaureate Degree Plan

NCCCS Associate in Arts **or** Associate in Science  
*transfer to*

East Carolina University, **BS Geographic Information Science and Technology**

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As a transfer student, it is important to contact an ECU Academic Advisor, [thcasadvising@ecu.edu](mailto: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.*

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### Recommended courses to take at a North Carolina Community College

GEO 110  
GEO 113  
(if offered)

ENG 111  
ENG 112  
  
HEA 110

MAT 171  
MAT 172 or 263

- 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>

<b>Specific General Education Requirements</b>	As part of completing the 40 required hours, please include the following course:  MATH 1065 - College Algebra	NCCCS Equivalents  MAT 171
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<b>Common Core</b>	Complete 22 hours.  GEOG 2400 - Spatial Data Analysis GEOG 2420 - Cartography GEOG 3420 - Remote Sensing of the Environment I GEOG 3430 - Geographic Information Systems I GEOG 3460 - GIS Applications Programming GEOG 4340 - GIS for Health Studies GEOG 4430 - Geographic Information Systems II GEOG 4999 - Geography Professional Seminar	NCCCS Equivalents  GIS 261*
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<b>Geographic Information System Electives</b>	Choose 12 hours.  GEOG 3450 - Introduction to the Global Positioning System GEOG 4410 - Advanced Cartographic Design and Production GEOG 4420 - Remote Sensing II GEOG 4440 - Coastal Applications of GIS GEOG 4450 - GIScience, Society and Technology GEOG 4460 - Digital Terrain Analysis GEOG 4491 - Supervised Study in Geographic Techniques GEOG 4492 - Supervised Study in Geographic Techniques GEOG 4493 - Supervised Study in Geographic Techniques GEOG 4540 - Coastal Storms GEOG 4580 - Radar and Satellite Meteorology GEOG 4801 - Geographic Internship GEOG 4802 - Geographic Internship GEOG 4803 - Geographic Internship	GIS 112*
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<b>Environmental and Human Geography Electives</b>	<p>Choose 12 hours (minimum of 3 hours must be above 2999).</p> <p>GEOG 1000 - People, Places, and Environments  GEOG 1250 - Water in the Environment  GEOG 1300 - Weather and Climate  GEOG 2003 - Geography of the Global Economy  GEOG 2019 - Geography of Recreation  GEOG 2250 - Earth Surface Systems  GEOG 2300 - Environment and Society  GEOG 2350 - Climate Change: Science and Society  GEOG 2510 - Physical Meteorology and Thermodynamics  GEOG 3001 - Historical Geography of the United States  GEOG 3003 - Political Geography  GEOG 3004 - Urban Geography  GEOG 3025 - Racial Geographies  GEOG 3049 - Latin America  GEOG 3050 - Africa  GEOG 3051 - Asia  GEOG 3055 - North Carolina  GEOG 3220 - Soil Properties, Surveys, and Applications  GEOG 3230 - Global Climates  GEOG 3250 - Environmental Hazards  GEOG 4210 - Fluvial and Hydrological Processes  GEOG 4220 - Coastal Geography  GEOG 4230 - Earth Surface Processes  GEOG 4250 - Environmental Impact Analysis  GEOG 4270 - Water Resources Management and Planning  GEOG 4310 - Geography of Transportation and Trade  GEOG 4315 - Geographic Images  GEOG 4320 - Gender, Environment, and Development  GEOG 4325 - Resources, Population, and Development  GEOG 4330 - Agricultural Geography  GEOG 4335 - Geography of Tourism  GEOG 4345 - Human Migration and Global Restructuring  GEOG 4360 - Geographies of Global Climate and Environmental Change  GEOG 4510 - Meteorological Instruments and Observations  GEOG 4530 - Micrometeorology  GEOG 4590 - Tropical Meteorology  GEOG 5281 - Selected Topics in Physical Geography  GEOG 5282 - Selected Topics in Physical Geography  GEOG 5283 - Selected Topics in Physical Geography  GEOG 5393 - Seminar in Human Geography  PLAN 1900 - Sustainable Cities  PLAN 2030 - Global Cities  PLAN 3020 - Environmental Planning</p>	<p><i>NCCCS Equivalents</i></p> <p><b>GEO 110</b></p> <p><b>GEO 113</b></p>
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<b>Cognates</b>	<p>Choose 9 hours.</p> <p>CSCI 1000 - Explorations in Computing  CSCI 1003 - Explorations in Computing Lab  CSCI 1010 - Algorithmic Problem Solving  CSCI 1011 - Algorithmic Problem Solving Lab  CSCI 2400 - Discrete Structures I</p>	<p><i>NCCCS Equivalents</i></p>
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	<p>CSCI 2405 - Discrete Structures II  CSCI 3700 - Database Management Systems  GEOG 2003 - Geography of the Global Economy  ICTN 1500 - Information and Cybersecurity Technology  Fundamentals  ICTN 1501 - Information and Cybersecurity Technology  Fundamentals Laboratory  ICTN 2150 - Network Fundamentals  ICTN 2154 - Digital Communication Systems  ICTN 2155 - Digital Communication Systems Laboratory  ICTN 2158 - Computer Networking Technology  ICTN 2159 - Computer Networking Technology Laboratory  ICTN 2510 - Network Environment I  ICTN 2511 - Network Environment I Laboratory  ICTN 2530 - Network Environment II  ICTN 2531 - Network Environment II Laboratory  ICTN 2900 - Fundamental Network Security  ICTN 2901 - Fundamental Network Security Laboratory  ICTN 3540 - Network Environment III  ICTN 3541 - Network Environment III Laboratory  MATH 1066 - Applied Mathematics for Decision Making  MATH 1083 - Introduction to Functions  MATH 2119 - Elements of Calculus</p>	<p><i>GEO 113</i></p> <p><i>MAT 172</i>  <i>MAT 263</i></p>
<b>Electives</b>	Complete any needed electives to meet graduation requirements.	

\*GIS 112 and 261 are not part of the approved CAA transfer courses and are not expected to be completed before entering ECU; however, if you do complete these courses they will transfer toward your degree at ECU.

**Potential 2 Year Map for BS Geographic Information Science and Technology**  
*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	
GEO 110 (or Additional General Education course)	GEOG 1000
Natural Science course	
ACA 122	COAD 1XXX

**Second Semester at NCCCS Institution**

NCCCS Course	ECU Transfer Equivalent
MAT 171	MATH 1065
GEO 113 (or Additional General Education course)	GEOG 2003
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
MAT 172 or 263 (or Additional General Education course)	MATH 1083 or 2119
Social Behavioral Science course	
Additional General Education course or Elective course	
Humanities/Fine Arts course or 2 <sup>nd</sup> Math course	

**Fourth Semester at a NCCCS Institution**

NCCCS Course	ECU Transfer Equivalent
Additional General Education course	
Social Behavioral Science course or 2 <sup>nd</sup> Natural Science course	
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](mailto: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.***