



Baccalaureate Degree Plan

NCCCS Associate in Arts *or* Associate in Science
transfer to
East Carolina University, **BS APPLIED ATMOSPHERIC SCIENCE**

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.

Recommended courses to take at a North Carolina Community College

CHM 151	HEA 110	MAT 171	PHY 251
		MAT 172	PHY 252
ENG 111		MAT 271	
ENG 112		MAT 272	
		MAT 273	

- 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 NCCCS AA or AS waives this requirement.

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	As part of the 40 required hours, please complete the following: MATH 1065: College Algebra	<i>NCCCS Equivalents</i> MAT 171
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Core	<p>Complete all 31 semester hour credits:</p> <p>ATMO 1300: Weather and Climate ATMO 2510: Physical Meteorology and Thermodynamics ATMO 3230: Global Climates ATMO 3520: Dynamic Meteorology ATMO 3550: Principles of Synoptic Meteorology ATMO 4510: Meteorological Instruments and Observations ATMO 4525: Dynamic Meteorology II ATMO 4550: Applied Synoptic Meteorology: Analyses and Forecasting ATMO 4580: Radar and Satellite Meteorology</p> <p>GEOG 3430: Geographic Information Systems I GEOG 4999: Geography Professional Seminar</p>	<p style="text-align: center;"><i>You will not complete any Core courses before transfer.</i></p> <p style="text-align: center;"><i>There are currently no transfer equivalents within the NCCCS.</i></p>
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Cognates	<p>Complete 28-30 semester hour credits.</p> <p>MATH 1083: Introduction to Functions or MATH 1085: Pre-Calculus Mathematics</p> <p>MATH 2171: Calculus I MATH 2172: Calculus II MATH 2173: Calculus III MATH 4331: Introduction to Ordinary Differential Equations</p> <p>PHYS 1251: General Physics Laboratory I PHYS 1261: General Physics Laboratory II PHYS 2350: University Physics I</p>	<p><i>NCCCS Equivalents</i></p> <p>MAT 172 MAT 175, 175A</p> <p>MAT 271 MAT 272 MAT 273 MAT 285</p> <p>PHY 151 PHY 152 PHY 251 PHY 252</p>
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	PHYS 2360: University Physics II Note: May count 7 hours (at least one lab) toward the natural science general education requirement.	
Atmospheric Science Electives	Choose 6 semester hour credits from the following: ATMO 4520: Boundary Layer Meteorology ATMO 4530: Micrometeorology ATMO 4590: Tropical Meteorology CHEM 1150: General Chemistry I CHEM 1151: General Chemistry Laboratory I CSCI 1010: Algorithmic Problem Solving CSCI 1011: Algorithmic Problem Solving Lab GEOL1550: Oceanography GEOL 1551: Oceanography Laboratory GEOL 3800: Earth's Climate: A Geological Perspective MATH 2283: Statistics for Business	NCCCS <i>Equivalents</i> CHM 151 MAT 152
Geography Electives	Choose 6 semester hour credits from the following: GEOG 2250: Earth Surface Systems GEOG 2350: Climate Change: Science and Society GEOG 3220: Soil Properties, Surveys, and Applications GEOG 3250: Environmental Hazards GEOG 4210: Fluvial and Hydrological Processes GEOG 4220: Coastal Geography GEOG 4230: Earth Surface Processes GEOG 4270: Water Resources Management and Planning GEOG 4320: Gender, Environment, and Development GEOG 4360: Geographies of Global Climate and Environmental Change GEOG 4801: Geographic Internship GEOG 4802: Geographic Internship GEOG 4803: Geographic Internship PLAN 4015: Disaster Planning	<i>You will not complete any Geography Elective courses before transfer.</i> <i>There are currently no transfer equivalents within the NCCCS.</i>
Geospatial Technologies Electives	Choose 6 semester hour credits from the following: GEOG 2420: Cartography GEOG 3420: Remote Sensing of the Environment I GEOG 3450: Introduction to the Global Positioning System GEOG 3460: GIS Applications Programming GEOG 4150: Advanced Spatial Analysis GEOG 4410: Advanced Cartographic Design and Production GEOG 4420: Remote Sensing II GEOG 4430: Geographic Information Systems II GEOG 4440: Coastal Applications of GIS GEOG 4450: GIScience, Society, and Technology GEOG 4460: Digital Terrain Analysis	<i>You will not complete any Geospatial Technologies Elective courses before transfer.</i> <i>There are currently no transfer equivalents within the NCCCS</i>
General Electives	Complete any necessary electives for graduation requirement.	

Potential 2 Year Map for BS Applied Atmospheric Science

An example of courses to take at your community college.

First Semester at NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
ENG 111	ENGL 1100
Social Science Course	
MAT 171	MATH 1065
HEA 110	HLTH 1000/KINE 1000
ACA 122	COAD 1XXX (elective credit)

Second Semester at NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
Humanities/Fine Arts Course	
CHM 151	CHEM 1150, 1151
MAT 172	MATH 1083
Social Science Course	

“Summer” Semester at NCCCS Institution

Recommended “Summer” Course	(If following a traditional Fall semester entry for First Semester.)
MAT 271	MATH 2171

Third Semester at a NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
ENG 112	ENGL 2201
Humanities/Fine Arts Course	
MAT 272	MATH 2172
PHY 251	PHYS 2350/1251

Fourth Semester at a NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
MAT 273	MATH 173
PHY 252	PHYS 2360/1261
Social Science Course or Elective	
Humanities/Fine Arts Course or Elective	

- 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.**