



Baccalaureate Degree Plan

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

Transfer students from other institutions must have a 2.5 cumulative transfer GPA and minimum eligibility for MATH 2121 or MATH 2171, as determined by the ECU Department of Mathematics, to be admitted to the BS Computer Science.

Time to degree completion will depend on student enrollment status and offering of required courses. **It is highly recommended that transfer students contact cetadvising@ecu.edu as soon as they enter their community college to discuss specific course suggestions.**

An example of how to plan the traditional 4 years of study is included at the end of this document.

Recommended courses to take at a North Carolina Community College

BIO 111	CSC 134	HEA 110
BIO 112	CSC 151	
CHM 151	ENG 111	MAT 152
CHM 152	ENG 112	MAT 171
COM 231		MAT 263 or MAT 172 and 271

- PHY 151, 152, 251, and 252 are listed as NCCCS equivalents, but they are not recommended to be taken at the community college.
- 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.
- ECU's General Education Core can be used as possible suggestions for additional courses; however, **completion of an approved NCCCS AA or AS waives the General Education requirement.**
- For more information about General Education Core Requirements at ECU, and a list of specific course options, click [here](#).

Degree Requirements

General Education Core Requirements

40 semester hours credit required; completion of an approved 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>

General Education Specific Requirements	As part of the 40 hours required, please take COMM 2020 - Fundamentals of Speech Communication or COMM 2410 - Public Speaking PHIL 2275 - Professional Ethics	<i>NCCCS Equivalents</i> COM 231
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Common Core	Complete 51 hours. CSCI 1010 - Algorithmic Problem Solving CSCI 1011 - Algorithmic Problem Solving Lab CSCI 2400 - Discrete Structures I CSCI 2405 - Discrete Structures II CSCI 2410 - Digital Logic Design CSCI 2530 - Algorithms and Data Structures CSCI 2540 - Data Abstraction and Object-Oriented Data Structures CSCI 3000 - Operating Systems CSCI 3010 - Computer Networks CSCI 3030 - Software Engineering I CSCI 3584 - Computational Linear Algebra CSCI 3650 - Design and Analysis of Algorithms CSCI 3675 - Principles of Programming Languages CSCI 3700 - Database Management Systems CSCI 4230 - Software Engineering II CSCI 4231 - Software Engineering II Lab CSCI 4520 - Computer Architecture CSCI 4602 - Automata, Computability and Complexity CSCI 4900 - Ethical and Professional Issues in Computer Science	<i>NCCCS Equivalents</i> CSC 134 & CSC 151 (both to sub)
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Cognates	Complete 18 hours by completing 6 hours in Math and 12 hours in science. In Science, choose from Biology, Chemistry, or Physics.	
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Math	<p>MATH 2121 - Calculus for the Life Sciences I or MATH 2171 - Calculus I</p> <p>MATH 2228 - Elementary Statistical Methods I or MATH 2283 - Statistics for Business</p>	<p><i>NCCCS Equivalents</i></p> <p><i>MAT 263</i> <i>MAT 271</i></p> <p><i>MAT 152</i></p>
Science	Choose one option. 7 hours from science cognates may count toward general education requirements.	
Option One: Biology	<p>BIOL 1100 - Principles of Biology I BIOL 1101 - Principles of Biology Laboratory I BIOL 1200 - Principles of Biology II BIOL 1201 - Principles of Biology Laboratory II 4 hours of natural sciences that satisfy general education requirements</p>	<p><i>BIO 111</i></p> <p><i>BIO 112</i></p>
Option Two: Chemistry	<p>CHEM 1150 - General Chemistry I CHEM 1151 - General Chemistry Laboratory I CHEM 1160 - General Chemistry II CHEM 1161 - General Chemistry Laboratory II 4 hours of natural sciences that satisfy general education requirements</p>	<p><i>CHM 151</i></p> <p><i>CHM 152</i></p>
Option Three: Physics	<p>PHYS 1251 - General Physics Laboratory I PHYS 1261 - General Physics Laboratory II PHYS 2350 - University Physics I PHYS 2360 - University Physics II 2 hours of natural sciences that satisfy general education requirements</p>	<p><i>PHY 151</i> <i>PHY 152</i> <i>PHY 251</i> <i>PHY 252</i></p>
CSCI Electives	Complete 12 hours of CSCI Electives above 2999.	<i>You will not take courses until enrolled at ECU.</i>
Electives to complete degree requirements for graduation.	<p>Complete 6 hours.</p> <p>Students may complete a minor.</p>	

Potential 2 Year Map for BS Computer 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
COM 231	COMM 2410
MAT 152	MATH 2228
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	
Social/Behavioral Science course	
BIO 111 or CHM 151	BIOL 1100, 1101 or CHEM 1150, 1151
MAT 171	MATH 1065

Third Semester at a NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
CSC 134	part of sub for CSCI 1010/1011
MAT 263 or 172	MATH 2121 or MATH 1083
BIO 112 or CHM 152	BIOL 1200, 1201 or CHEM 1160, 1161
Humanities/Fine Arts course or Additional General Education course	
Social/Behavioral Science course	

Fourth Semester at a NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
CSC 151	part of sub for CSCI 1010/1011
Social/Behavioral Science course or Additional General Education course	
MAT 271 or additional science course	MATH 2171
Additional General Education course or Elective	
Elective	

- Schedule at ECU will depend on courses completed at the community college and semester of entry (fall or spring).
- You should email cetadvising@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.