Baccalaureate Degree Plan

NCCCS Associate in Arts *or* Associate in Science
transfer to
East Carolina University, **BA MATHEMATICS**

Credit toward a mathematics major will not be given in any MATH course with a grade less than C- (1.7).

The degree offers two concentration areas:
- mathematics
- statistics

The mathematics concentration requires a minor and the statistics concentration requires specified cognates in lieu of a minor.

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.

Optional/Recommended courses to take at a North Carolina Community College

ENG 111 ENG 112	HEA 110	Foreign Language Levels 1-4
	MAT 171	(*for example:* SPA 111, SPA 112, SPA 211, and SPA 212)
	MAT 172	
	MAT 271	
	MAT 272	
	MAT 273	
	MAT 280	

- It is unlikely you will complete all recommended MAT courses before transfer; *that is okay!*

- 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.

General Education Core Requirements
40 semester hours credit required; <u>completion of an approved AA or AS waives this requirement.</u>

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

| **Foreign Language Proficiency** | Complete through level 2004 (12 hours)

It is recommended to complete this requirement at your NCCCS institution. ECU offers the following languages:

• French
• German
• Greek
• Japanese
• Latin
• Russian
• Spanish

To see how your language would transfer to ECU, view the Transfer Course equivalencies here: https://registrar.ecu.edu/transfers/.

An *<u>example</u>* of how to complete this requirement:

SPAN 1001
SPAN 1002
SPAN 2003
SPAN 2004 | *NCCCS Equivalents*

SPA 111
SPA 112
SPA 211
SPA 212 |

| **Common Core** | Complete 30 hours.

    MATH 2171 - Calculus I
    MATH 2172 - Calculus II
    MATH 2173 - Calculus III
    MATH 2300 - Transition to Advanced Mathematics
    MATH 3256 - Linear Algebra
    MATH 3263 - Introduction to Modern Algebra
    MATH 3307 - Mathematical Statistics I
    MATH 3331 – Introduction to Ordinary Differential Equations
    MATH 4101 - Advanced Calculus I | *NCCCS Equivalents*

MAT 271
MAT 272
MAT 273

MAT 280 |

Concentration Area	Concentration courses will be completed upon admission and enrollment at ECU.	
Mathematics	Complete 18-30 hours including 18-30 hours of a minor.	
Statistics	Complete 24 required hours and 3 hours of electives. MATH 3308 - Mathematical Statistics II MATH 4005 - Introduction to Sampling and Experimental Design MATH 4031 - Applied Statistical Analysis MATH 4100 - Mathematics of Risk Analysis **or** MATH 4300 - Financial and Actuarial Mathematics MATH 4201 - Introduction to Stochastic Processes MATH 4774 - Programming for Research MATH 4801 - Probability Theory <u>Elective - 3 hours</u> *Choose 3 hours from the following:* ECON 4443 - Econometrics ENGR 3800 - Quality Control for Engineers MATH courses numbered above 2999	

General Electives	Complete required minor and general electives needed for graduation requirements.	

<h1 style="text-align:center">Potential 2 Year Map for BA Mathematics</h1>

An example of courses to take at your community college.

First Semester at NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
ENG 111	*ENGL 1100*
SPA 111	*SPAN 1001*
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
ENG 112	*ENGL 2201*
Social Behavioral Science course	
Humanities/Fine Arts Course	
SPA 112	*SPAN 1002*
MAT 172	*MATH 1083*

Third Semester at a NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
MAT 271	*MATH 2171*
Natural Science course	
Social Behavioral Science course	
SPA 211	*SPAN 2003*
Additional General Education or Elective course	

Fourth Semester at a NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
SPA 212	*SPAN 2004*
Social Behavioral Science course or MAT 272	*MATH 2172*
Elective course or 2nd Natural Science	
Humanities/Fine Arts course	
MAT 280 (if offered)	*MATH 3256*

- 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.*