



## Associate in Science (AS) to BS Physics, Research Concentration

The sequence below is contingent on the student completing the AS degree from a college in the North Carolina Community College System.

	ECU Course	ECU S.H.	NCCC S.H.	NCCCS Course Equivalent
<b>Freshman Year</b>				
<b>Fall Semester</b>	COAD 1xxx	1	1	ACA 122
	ENGL 1100 (WI) <sup>1</sup>	3	3	ENG 111
	Math <i>MATH 1065 Rec.</i>	4	4	UGETC Course MAT 171
	Social Science	3	3	UGETC Course
	CAA Premajor/Elective <i>HLTH 1000/KINE 1000 Rec. <sup>2</sup></i>	3	3	CAA Premajor/Elective HEA 110 <sup>2</sup>
	<b>Total:</b>	<b>14</b>	<b>14</b>	
<b>Spring Semester</b>	Humanities/Fine Arts	3	3	UGETC Course
	Natural Sciences <i>CHEM 1150/51 Rec.</i>	4	4	UGETC Course CHM 151
	Math <i>MATH 1083 Rec.</i>	4	4	UGETC Course MAT 172
	CAA GEN ED	4	4	CAA GEN ED
	<b>Total:</b>	<b>15</b>	<b>15</b>	
<b>Additional Required Prerequisite Course</b>				
Recommended to be taken between the Freshman and Sophomore Year for student to meet pre-requisite requirements upon admission to ECU.				
	<i>MATH 2171 Rec.</i>	4	4	MAT 271
	<b>Total:</b>	<b>4</b>	<b>4</b>	
<b>Sophomore Year</b>				
<b>Fall Semester</b>	ENGL 2201 (WI) <sup>1</sup>	3	3	ENG 112
	Natural Sciences <i>CHEM 1160/61 Rec.</i>	4	4	UGETC Course CHM 152
	CAA GEN ED <i>MATH 2172 Rec.</i>	4	4	CAA GEN ED MAT 272
	CAA GEN ED	3	3	CAA GEN ED
	CAA Premajor/Elective	1	1	CAA Premajor/Elective
	<b>Total:</b>	<b>15</b>	<b>15</b>	
<b>Spring Semester</b>	Humanities/Fine Arts	3	3	UGETC Course
	Social Science	3	3	UGETC Course
	CAA Premajor/Elective <i>MATH 2173 Rec.</i>	4	4	CAA Premajor/Elective MAT 273
	CAA Premajor/Elective	6	6	CAA Premajor/Elective
	<b>Total:</b>	<b>16</b>	<b>16</b>	
<b>Summer Terms - through enrollment at ECU</b>				
<b>Summer Terms</b>	PHYS 2350/1251 - 1st Summer Term	5	4	PHY 251
	PHYS 2360/1261 - 2nd Summer Term	5	4	PHY 252
	<b>Total:</b>	<b>10</b>	<b>8</b>	
<b>Junior Year</b>				
<b>Fall Semester</b>	MATH 4331	3	-	No Equivalent

	PHYS 3416	3	-	No Equivalent
	General Electives	9	-	ECU or CC Transferrable Courses
	<b>Total:</b>	<b>15</b>	<b>0</b>	
Spring Semester	PHYS 3417	3	-	No Equivalent
	PHYS 3560	3	-	No Equivalent
	PHYS 4120	3	-	No Equivalent
	General Electives	3	-	ECU or CC Transferrable Courses
	<b>Total:</b>	<b>12</b>	<b>0</b>	
<b>Senior Year</b>				
Fall Semester	PHYS 4226	3	-	No Equivalent
	PHYS 4326	3	-	No Equivalent
	PHYS Electives <sup>3</sup>	3	-	No Equivalent
	General Electives	3	-	ECU or CC Transferrable Courses
	<b>Total:</b>	<b>12</b>	<b>0</b>	
Spring Semester	PHYS 4410	3	-	No Equivalent
	PHYS 4700/01 (WI) <sup>1</sup>	3	-	No Equivalent
	PHYS Electives <sup>3</sup>	3	-	No Equivalent
	General Electives	3	-	ECU or CC Transferrable Courses
	<b>Total:</b>	<b>12</b>	<b>0</b>	

**Minimum S.H. Required for Degree      120**

The Bachelor of Science in Physics requires a minimum of 120 semester hours. ECU requires a minimum 2.0 overall GPA and a minimum 2.0 major GPA for graduation.

<sup>1</sup>Students enrolling at ECU must fulfill the writing across the curriculum requirement prior to graduation. To do so, each student must complete a minimum of 12 semester hours of writing intensive (WI) courses, including ENGL 1100 and ENGL 2201; at least 3 semester hours of WI courses in the major; and any other 3 semester hours WI course of the student's choice.

<sup>2</sup>Students who have successfully completed HEA 110 since the Fall 2016 term will earn ECU credit for both HLTH 1000 (2 hours) and KINE 1000 (1 hour). Students who completed HEA 110 prior to the Fall 2016 term and who have not also taken PED 110 will be responsible for meeting the Health-Related Physical Activity Competency component of the ECU General Education Program to meet degree requirements.

**NOTE:** Completion of a 3 s.h. Global Diversity course and a 3 s.h. Domestic Diversity course are requirements of all ECU degrees. These courses can coincide with other General Education or Major courses. A list of all courses approved to meet the Global and Domestic Diversity requirement can be found in the University catalog: <http://catalog.ecu.edu>, click on the "Courses" link.

<sup>3</sup>Electives for the research concentration can include PHYS courses above 2999 with a maximum of 3 s. h. of independent study courses (PHYS 3516, PHYS 3517, PHYS 3518, PHYS 3716, PHYS 3717, and PHYS 3718).

*This plan reflects the degree program's requirements published in the 2019-2020 university catalog. All guides are meant as an example of how a degree can be completed. Course availability, prior credit, course prerequisites, major requirements, and student needs must be considered in developing an individual academic pathway.*

**Key:** **The Transfer Course List can be found at:** [NC Transfer Course List](#)

**UGETC** - Universal General Education Transfer Component courses

**CAA GEN ED** - Additional General Education Hours (AA requires 13-14 hours; AS requires 11 hours)

**Pre-Major/Elective** - Courses classified as pre-major, electives, or general education courses within the CAA, of which ACA 122 is required