

Associate in Arts (AA) to BS Biochemistry, Chemistry Concentration

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

Domestic Diversity Rec. 2 3 3 UGETC Course	ECU.	ECU Course	ECU S.H.	NCCC S.H.	NCCCS Course Equivalent			
ENGL 1100 (WI)			Freshman Ye	ear				
Math	Fall Semester	COAD 1xxx	1	1	ACA 122			
Math		ENGL 1100 (WI) ¹	3	3	ENG 111			
MATH 1065 Rec. Social Science 3 3 UGETC Course					UGETC Course			
Humanities/Fine Arts 3		MATH 1065 Rec.	4	4	MAT 171			
### Writing Intensive Rec. 1		Social Science	3	3	UGETC Course			
### Writing Intensive Rec. * CAA GEN ED		Humanities/Fine Arts						
Total:		<i>Writing Intensive Rec.</i> ¹	3	3	UGETC Course			
ENGL 2201 (WI)		CAA GEN ED	1	1	CAA GEN ED			
Humanities/Fine Arts 3 3 UGETC Course Natural Sciences 4 4 CAA GEN ED MATH 1083 Rec. 4 4 CAA GEN ED MATH 1083 Rec. 5 4 4 Total: 14 14 Fall Semester Social Science 3 3 UGETC Course Humanities/Fine Arts 3 3 UGETC Course CAA GEN ED		Total:	15	15				
Humanities/Fine Arts 3 3 UGETC Course	Spring Semester	ENGL 2201 (WI) ¹	3	3	ENG 112			
Natural Sciences			3	3	UGETC Course			
CHEM 1150/51 Rec.		· · · · · · · · · · · · · · · · · · ·						
CAA GEN ED A			4	4				
MATH 1083 Rec. Total: 14					CAA GEN ED			
Sophomore Year		MATH 1083 Rec.	4	4	MAT 172			
Social Science		Total:	14	14				
Social Science								
CAA GEN ED	Fall Semester	Social Science	1		UGETC Course			
CAA GEN ED		Humanities/Fine Arts						
CAA GEN ED CHEM 1160/61 Rec. CAA Premajor/Elective MATH 2171 Rec. CAA Premajor/Elective MATH 2171 Rec. CAA Premajor/Elective Total: Spring Semester Social Science Domestic Diversity Rec. CAA GEN ED PHYS 2350 Rec. CAA Premajor/Elective MATH 2172 Rec. CAA GEN ED PHYS 2350 Rec. CAA GEN ED CHEM 2750/53 Rec. Total: 15 15 Junior Year CAA GEN ED CHEM 2250/51 (WI) ¹ SCAA GEN ED CHAM 152 CAA GEN ED CHEM 250/51 (WI) ¹ CAA GEN ED CHM 152 CAA GEN ED CHEM 250/51 (WI) ¹ CAA GEN ED CHEM 2250/51 (WI) ¹ SCAA GEN ED CHM 152 CAA GEN ED CHEM 2250/51 (WI) ¹ CAA GEN ED CHEM 250/51 (WI) ¹ No Equivalent			3	3	UGETC Course			
CHEM 1160/61 Rec. 4 4 CHM 152 CAA Premajor/Elective MATH 2171 Rec. 4 4 CAA Premajor/Elective MAT 271 CAA Premajor/Elective Total: 16 16 Spring Semester Social Science Domestic Diversity Rec. 2 3 3 UGETC Course UGETC Course UGETC Course CAA GEN ED PHYS 2350 Rec. 4 4 CAA GEN ED PHY 251 CAA Premajor/Elective MATH 2172 Rec. 4 4 CAA Premajor/Elective MAT 272 CAA GEN ED CHEM 2750/53 Rec. 4 4 CAA Premajor/Elective CHM 251 Total: 15 15 Fall Semester CHEM 2250/51 (WI) ¹ 5 - No Equivalent		· · · · · · · · · · · · · · · · · · ·	_		CAA GEN ED			
CAA Premajor/Elective			4	4				
MATH 2171 Rec. 4			,		CAA Premajor/Elective			
Total: 16		MATH 2171 Rec.	4	4	T			
Social Science 3 3 UGETC Course		CAA Premajor/Elective	2	2	CAA Premajor/Elective			
Domestic Diversity Rec. 2 3 3 UGETC Course		Total:	16	16				
Domestic Diversity Rec. 2	Spring Semester	Social Science	3					
CAA GEN ED		Domestic Diversity Rec. ²		3	UGETC Course			
PHYS 2350 Rec. 4 4 PHY 251 CAA Premajor/Elective 4 4 CAA Premajor/Elective MATH 2172 Rec. 4 4 CAA Premajor/Elective CAA GEN ED 4 4 CAA Premajor/Elective CHEM 2750/53 Rec. 15 15 Total: 15 15 Junior Year Fall Semester CHEM 2250/51 (WI) ¹ 5 - No Equivalent					CAA GEN ED			
MATH 2172 Rec. 4 4 MAT 272 CAA GEN ED CHEM 2750/53 Rec. 4 4 CAA Premajor/Elective CHM 251 Total: 15 15 Junior Year Fall Semester CHEM 2250/51 (WI) ¹ 5 - No Equivalent		PHYS 2350 Rec.	4	4				
MAT H 2172 Rec. MAT 272		CAA Premajor/Elective	4	,	CAA Premajor/Elective			
CHEM 2750/53 Rec. 4 4 CHM 251 Total: 15 15 Junior Year Fall Semester CHEM 2250/51 (WI) ¹ 5 - No Equivalent		MATH 2172 Rec.		4	MAT 272			
CHEM 2/50/53 Rec. CHM 251		CAA GEN ED	4	4	CAA Premajor/Elective			
Junior Year Fall Semester CHEM 2250/51 (WI) ¹ 5 - No Equivalent		CHEM 2750/53 Rec.		4	CHM 251			
Fall Semester CHEM 2250/51 (WI) ¹ 5 - No Equivalent		Total:	15	15				
			Junior Yea	<u> </u>				
MATH 2173 4 4 MAT 273	Fall Semester	CHEM 2250/51 (WI) ¹	5	-	No Equivalent			
1 170.0 270		MATH 2173	4	4	MAT 273			
PHYS 2360/1261 5 - No Equivalent		PHYS 2360/1261	5	-	No Equivalent			
General Electives 1 - ECU or CC Transferrable Courses		General Electives	1	-				
Total: 15 4		Total:	15					

Spring Semester	BIOL 1100/01	4	4	BIO 111			
	CHEM 2760/63	4	4	CHM 252			
	CHEM 3950/51	5	-	No Equivalent			
	HLTH 1000 ³	2	3	HEA 110 ³			
	KINE 1000 ³	1	2	PED 110 ³			
	Total:	16	13				
Senior Year							
Fall Semester	BIOL 1200/01	4	4	BIO 112			
	BIOL 4880	3	-	No Equivalent			
	CHEM 3960/61	5	-	No Equivalent			
	General Electives	3	-	ECU or CC Transferrable Courses			
	Total:	15	6				
Spring Semester	BIOL 4890/91	4	1	No Equivalent			
	Concentration Electives ⁴	10	-	No Equivalent			
	Total:	14	0				

Minimum S.H. Required for Degree

120

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

¹Students 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.

²Students enrolling at ECU are required to complete two three-hour diversity courses: one course with a domestic diversity (DD) focus and one with a global diversity (GD) focus. Courses that transfer to ECU as equivalent to an ECU course that is approved for diversity credit receive diversity credit. Transfer courses that are not equivalent to existing ECU diversity courses may be approved for diversity credit by the General Education and Instructional Effectiveness Committee. For a list of ECU courses that carry the DD and GD designation, visit the ECU catalog: https://catalog.ecu.edu

³Students 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.

⁴Choose 10 s.h. from the following for the Chemistry Concentration: BIOL 2300; CHEM 3450/51, 4350/51, 4522, 4550, 5760; MATH 4331; 3 hours of research in Biology or Chemistry chosen from BIOL 3504, 3550; CHEM 4505, 4506, 4507, 4515, 4516, 4517.

This plan reflects the degree program's requirements published in the 2018-2019 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.

<u>Key:</u>

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