



Associate in Science (AS) to BS Biology, Molecular/Cell Biology 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.	NCCS S.H.	NCCCS Course Equivalent
Freshman Year				
Fall Semester	COAD 1xxx	1	1	ACA 122
	ENGL 1100 (WI) ¹	3	3	ENG 111
	Math <i>MATH 1065 Rec.</i>	4	4	UGETC Course MAT 171
	Social Science	3	3	UGETC Course
	Humanities/Fine Arts	3	3	UGETC Course
	CAA Premajor/Elective <i>HLTH 1000/KINE 1000 Rec.²</i>	3	3	CAA Premajor/Elective HEA 110 ²
	Total:	17	17	
Spring Semester	ENGL 2201 (WI) ¹	3	3	ENG 112
	Social Science	3	3	UGETC Course
	Natural Sciences <i>CHEM 1150/51 Rec.</i>	4	4	UGETC Course CHM 151
	CAA GEN ED <i>BIOL 1100/01 Rec.</i>	4	4	CAA GEN ED BIO 111
	Total:	14	14	
Sophomore Year				
Fall Semester	Humanities/Fine Arts	3	3	UGETC Course
	Natural Sciences <i>CHEM 1160/61 Rec.</i>	4	4	UGETC Course CHM 152
	CAA GEN ED <i>MATH 2283 Rec.</i>	4	4	CAA GEN ED MAT 152
	CAA Premajor/Elective <i>BIOL 1200/01 Rec.</i>	4	4	CAA Premajor/Elective BIO 112
	Total:	15	15	
Spring Semester	Math <i>MATH 2121 or 2171 Rec.</i>	4	4	UGETC Course MAT 263 or 271
	CAA GEN ED	3	3	CAA GEN ED
	CAA Premajor/Elective <i>BIOL 2110/11 Rec.</i>	4	4	CAA Premajor/Elective BIO 275
	CAA Premajor/Elective	3	3	CAA Premajor/Elective
Total:	14	14		
Junior Year				
Fall Semester	BIOL 2300	3	4	BIO 250
	CHEM 2750/53	4	4	CHM 251
	MATH 2122 or MATH 2172	3 or 4	4	No Equivalent/MAT 272
	PHYS 1250/51	4	4	PHY 151
	General Elective	0 or 1	-	ECU or CC Transferrable Courses
	Total:	15	16	
Spring Semester	BIOL 3260	3	-	No Equivalent
	CHEM 2760/63	4	4	CHM 252

	ENGL 3820, 3880, or ITEC 3290 (WI) ¹	3	-	No Equivalent
	PHYS 1260/61	4	4	PHY 152
	General Elective	1	-	ECU or CC Transferrable Courses
	Total:	15	8	
Senior Year				
Fall Semester	BIOL 2250 or 3620	3	4	BIO 145/No Equivalent
	BIOL 3030	3	-	No Equivalent
	Biology Electives at the 3000- or 4000-level	3	-	No Equivalent
	Molecular/Cell Biology Elective ³	4	-	No Equivalent
	General Electives	3	-	ECU or CC Transferrable Courses
	Total:	16	4	
Spring Semester	Ecology/Evolution Elective ³	3	-	No Equivalent
	Molecular/Cell Biology Elective ³	8	-	No Equivalent
	General Electives	3	-	ECU or CC Transferrable Courses
	Total:	14	0	

Minimum S.H. Required for Degree 120

The Bachelor of Science in Biology 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 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.

³**Ecology/Evolution Elective** - Choose 3 s.h. from: BIOL 3070/3071, 3150, 3230/3231, 3240/3241, 3660/3661, 3740/3741, 4130, 4200/4201, 4205, 4210, 4240, 4250, 4300/4301, 4320, 4400, 4440/4441, 4500, 4560, 4600/4601, 4740/4741, 4770/4771, 5150/5151, 5220/5221, 5230/5231, 5260/5261, 5270, 5550/5551, 5600/5601, 5640/5641, 5680, 5740, 5950/5951; GEOL 5300. **Molecular/Cell Elective** - Choose 12 s.h. from: BIOL 2100/2101, 3220/3221, 3310/3311, 3320/3321, 3800, 4030, 4040, 4050/4051, 4060/4061, 4130, 4170, 4205, 4220, 4230, 4260, 4270, 4420, 4650, 4800, 4880, 4890/4891, 5260/5261, 5450/5451, 5870, 5890, 5900/5901; CHEM 2770.

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