



## Associate in Arts (AA) to BS Biology, Molecular/Cell Biology Concentration

The sequence below is contingent on the student completing the AA 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>  |  |           |           |   |
| Fall Semester         | COAD 1xxx  | 1         | 1         | ACA 122                                       |
|                       | ENGL 1100 (WI) <sup>1</sup>                                    | 3         | 3         | ENG 111                                       |
|                       | Math<br>MATH 1065 Rec.   | 4         | 4         | UGETC Course<br>MAT 171                       |
|                       | Social Science   | 3         | 3         | UGETC Course                                  |
|                       | Humanities/Fine Arts<br>Writing Intensive Rec. <sup>1</sup>    | 3         | 3         | UGETC Course                                  |
|                       | CAA Premajor/Elective<br>HLTH 1000/KINE 1000 Rec. <sup>2</sup> | 3         | 3         | CAA Premajor/Elective<br>HEA 110 <sup>2</sup> |
|                       | <b>Total:</b>  | <b>17</b> | <b>17</b> |   |
| Spring Semester       | ENGL 2201 (WI) <sup>1</sup>                                    | 3         | 3         | ENG 112                                       |
|                       | Social Science<br>Domestic Diversity Rec. <sup>3</sup>         | 3         | 3         | UGETC Course                                  |
|                       | Natural Sciences<br>CHEM 1150/51 Rec.                          | 4         | 4         | UGETC Course<br>CHM 151                       |
|                       | CAA GEN ED   | 1         | 1         | CAA GEN ED                                    |
|                       | CAA GEN ED<br>BIOL 1100/01 Rec.                                | 4         | 4         | CAA GEN ED<br>BIO 111                         |
|                       | <b>Total:</b>  | <b>15</b> | <b>15</b> |   |
| <b>Sophomore Year</b> |  |           |           |   |
| Fall Semester         | Social Science   | 3         | 3         | UGETC Course                                  |
|                       | Humanities/Fine Arts<br>Global Diversity Rec. <sup>3</sup>     | 3         | 3         | UGETC Course                                  |
|                       | CAA GEN ED<br>CHEM 1160/61 Rec.                                | 4         | 4         | CAA GEN ED<br>CHM 152                         |
|                       | CAA Premajor/Elective<br>BIOL 1200/01 Rec.                     | 4         | 4         | CAA Premajor/Elective<br>BIO 112              |
|                       | <b>Total:</b>  | <b>14</b> | <b>14</b> |   |
| Spring Semester       | Humanities/Fine Arts   | 3         | 3         | UGETC Course                                  |
|                       | CAA GEN ED<br>MATH 2283 Rec.                                   | 4         | 4         | CAA GEN ED<br>MAT 152                         |
|                       | CAA Premajor/Elective<br>PHYS 1250/51 Rec.                     | 4         | 4         | CAA Premajor/Elective<br>PHY 151              |
|                       | CAA Premajor/Elective  | 3         | 3         | CAA Premajor/Elective                         |
|                       | <b>Total:</b>  | <b>14</b> | <b>14</b> |   |
| <b>Junior Year</b>    |  |           |           |   |
| Fall Semester         | BIOL 2300  | 3         | 4         | BIO 250                                       |
|                       | CHEM 2750/53   | 4         | 4         | CHM 251                                       |
|                       | MATH 2121 or MATH 2171   | 3 or 4    | 4         | MAT 263 or MAT 271                            |
|                       | PHYS 1260/61   | 4         | 4         | PHY 152                                       |
|                       | General Elective   | 0 or 1    | -         | ECU or CC Transferrable Courses               |

|                 | Total:  | 15     | 16 |                                 |
|-----------------|---|--------|----|---------------------------------|
| Spring Semester | BIOL 2250 or 3620                               | 3      | 4  | BIO 145/No Equivalent           |
|                 | CHEM 2760/63                                    | 4      | 4  | CHM 252                         |
|                 | MATH 2122 or MATH 2172                          | 3 or 4 | 4  | No Equivalent/MAT 272           |
|                 | ENGL 3820, 3880, or ITEC 3290 (WI) <sup>1</sup> | 3      | -  | No Equivalent                   |
|                 | General Elective                                | 0 or 1 | -  | ECU or CC Transferrable Courses |
|                 | Total:  | 15     | 12 |                                 |
| Senior Year     |   |        |    |                                 |
| Fall Semester   | BIOL 3030                                       | 3      | -  | No Equivalent                   |
|                 | BIOL 3260                                       | 3      | -  | No Equivalent                   |
|                 | Biology Electives                               | 3      | -  | No Equivalent                   |
|                 | Molecular/Cell Biology Elective <sup>4</sup>    | 4      | -  | No Equivalent                   |
|                 | General Elective                                | 3      | -  | ECU or CC Transferrable Courses |
|                 | Total:  | 16     | 0  |                                 |
| Spring Semester | Ecology/Evolution Elective <sup>4</sup>         | 3      | -  | No Equivalent                   |
|                 | Molecular/Cell Biology Elective <sup>4</sup>    | 8      | -  | No Equivalent                   |
|                 | Biology Electives at the 3000- or 4000-level    | 3      | -  | No Equivalent                   |
|                 | 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.

<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.

<sup>3</sup>Students 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>

<sup>4</sup>**Ecology/Evolution Elective** - Choose from: BIOL 3070/3071, 3150, 3230/3231, 3240/3241, 3660/3661, 3740/3741, 4200/4201, 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 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 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.*

**Key:**

**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