



## Associate in Arts (AA) to BS Engineering, Environmental Engineering 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>   |   |           |           |   |
| <b>Fall Semester</b>   | COAD 1xxx   | 1         | 1         | ACA 122                                       |
|  | ENGL 1100 (WI) <sup>1</sup>                                       | 3         | 3         | ENG 111                                       |
|  | Math<br><i>MATH 1065 Rec.</i>                                     | 4         | 4         | UGETC Course<br>MAT 171                       |
|  | Humanities/Fine Arts  | 3         | 3         | UGETC Course                                  |
|  | Natural Sciences<br><i>CHEM 1150/51 Rec.</i>                      | 4         | 4         | UGETC Course<br>CHM 151                       |
|  | CAA Premajor/Elective<br><i>ENGR 1000/12/16 Rec.</i> <sup>3</sup> | 2         | 2         | CAA Premajor/Elective<br>EGR 150 <sup>3</sup> |
|  | <b>Total:</b>   | <b>17</b> | <b>17</b> |   |
| <b>Spring Semester</b>   | ENGL 2201 (WI) <sup>1</sup>                                       | 3         | 3         | ENG 112                                       |
|  | Social Science  | 3         | 3         | UGETC Course                                  |
|  | Humanities/Fine Arts  | 3         | 3         | UGETC Course                                  |
|  | CAA GEN ED<br><i>MATH 2171 Rec.</i>                               | 4         | 4         | CAA GEN ED<br>MAT 271                         |
|  | CAA Premajor/Elective<br><i>ENGR 1000/12/16 Rec.</i> <sup>3</sup> | 3         | 3         | CAA Premajor/Elective<br>DFT 170 <sup>3</sup> |
|  | <b>Total:</b>   | <b>16</b> | <b>16</b> |   |
| <b>Additional Required Courses</b>   |   |           |           |   |
| Critical Path classes recommended to be taken between the Freshman and Sophomore Year to remain on track for ECU third year. |   |           |           |   |
|  | ENGR 2050   | 3         | 3         | CSC 134 or CSC 151 or EGR 214                 |
|  | <b>Total:</b>   | <b>3</b>  | <b>3</b>  |   |
| <b>Sophomore Year</b>  |   |           |           |   |
| <b>Fall Semester</b>   | Social Science  | 6         | 6         | UGETC Course                                  |
|  | CAA GEN ED<br><i>MATH 2172 Rec.</i>                               | 4         | 4         | CAA GEN ED<br>MAT 272                         |
|  | CAA GEN ED<br><i>PHYS 2350 Rec.</i>                               | 4         | 4         | CAA GEN ED<br>PHY 251                         |
|  | CAA GEN ED  | 1         | 1         | CAA GEN ED                                    |
|  | CAA Premajor/Elective<br><i>MATH 3256 Rec.</i> <sup>4</sup>       | 3         | 3         | CAA Premajor/Elective<br>MAT 280 <sup>4</sup> |
|  | <b>Total:</b>   | <b>18</b> | <b>18</b> |   |
| <b>Spring Semester</b>   | Humanities/Fine Arts  | 3         | 3         | UGETC Course                                  |
|  | CAA Premajor/Elective<br><i>PHYS 2360 Rec.</i>                    | 4         | 4         | CAA Premajor/Elective<br>PHY 252              |
|  | CAA Premajor/Elective<br><i>MATH 2173 Rec.</i>                    | 4         | 4         | CAA Premajor/Elective<br>MAT 273              |
|  | CAA Premajor/Elective<br><i>MATH 4331 Rec.</i> <sup>4</sup>       | 3         | 3         | CAA Premajor/Elective<br>MAT 285 <sup>4</sup> |
|  | CAA Premajor/Elective<br><i>ENGR 2022</i>                         | 3         | 3         | CAA Premajor/Elective<br>EGR 220              |
|  | <b>Total:</b>   | <b>17</b> | <b>17</b> |   |

| Summer Terms (at ECU) |                             |           |          |                      |
|-----------------------|-----------------------------|-----------|----------|----------------------|
| Summer Terms (at ECU) | ENGR 2070                   | 3         | -        | No Equivalent        |
|                       | ENGR 2450                   | 3         | -        | No Equivalent        |
|                       | CHEM 1160/61                | 4         | 4        | CHM 152              |
|                       | <b>Total:</b>               | <b>10</b> | <b>4</b> |                      |
| Junior Year           |                             |           |          |                      |
| Fall Semester         | ENGR 2000                   | 1         | -        | No Equivalent        |
|                       | ENGR 2514                   | 4         | -        | No Equivalent        |
|                       | ENGR 3024 (WI) <sup>1</sup> | 3         | -        | No Equivalent        |
|                       | ENGR 3420                   | 2         | -        | No Equivalent        |
|                       | ENVE 3103                   | 3         | -        | No Equivalent        |
|                       | ENVE 3303                   | 3         | -        | No Equivalent        |
|                       | <b>Total:</b>               | <b>16</b> | <b>0</b> |                      |
| Spring Semester       | ENGR 3000                   | 2         | -        | No Equivalent        |
|                       | ENGR 3034                   | 4         | -        | No Equivalent        |
|                       | ENGR 3050                   | 3         | -        | No Equivalent        |
|                       | ENVE 3203                   | 3         | -        | No Equivalent        |
|                       | HLTH 1000                   | 2         | 3        | HEA 110 <sup>2</sup> |
|                       | <b>Total:</b>               | <b>14</b> | <b>3</b> |                      |
| Senior Year           |                             |           |          |                      |
| Fall Semester         | ENGR 4010 (WI) <sup>1</sup> | 2         | -        | No Equivalent        |
|                       | ENVE 4103                   | 3         | -        | No Equivalent        |
|                       | KINE 1000                   | 1         | -        | HEA 110 <sup>2</sup> |
|                       | MATH 3307                   | 3         | -        | No Equivalent        |
|                       | Technical Elective          | 3         | -        | No Equivalent        |
|                       | <b>Total:</b>               | <b>12</b> | <b>0</b> |                      |
| Spring Semester       | BIOL 1050/51 or 1100/01     | 4         | 4        | BIO 110 or BIO 111   |
|                       | ENGR 3800                   | 3         | -        | No Equivalent        |
|                       | ENGR 4020 (WI) <sup>1</sup> | 2         | -        | No Equivalent        |
|                       | ENVE 4203                   | 3         | -        | No Equivalent        |
|                       | <b>Total:</b>               | <b>12</b> | <b>4</b> |                      |

**Minimum S.H. Required for Degree      125**

The Bachelor of Science in Engineering requires a minimum of 125 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 must bundle EGR 150 and DFT 170 to receive credit for ENGR 1000 + 1012 + 1016.

<sup>4</sup>Students must bundle MAT 280 & MAT 285 to receive credit for MATH 3256 & MATH 4332 to apply as a substitution toward degree requirement of MATH 2154.

*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