## Associate in Arts (AA) to BS Engineering, Mechanical 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
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**Freshman Year**

#### Fall Semester
- **COAD 1xxx** 1 1  
- **ENGL 1100 (WI)³** 3 3  
- **Math**  
  - **MATH 1065 Rec.** 4 4  
- **Humanities/Fine Arts**  
  - **Global Diversity Rec.³** 3 3  
- **Natural Sciences**  
  - **CHEM 1150/51 Rec.** 4 4  
- **CAA Premajor/Elective**  
  - **ENGR 1000/12/16 Rec.⁴** 2 2  

**Total:** 17 17

#### Spring Semester
- **ENGL 2201 (WI)³** 3 3  
- **Social Science** 3 3  
- **Humanities/Fine Arts** 3 3  
- **CAA GEN ED**  
  - **MATH 2171 Rec.** 4 4  
- **CAA Premajor/Elective**  
  - **ENGR 1000/12/16 Rec.⁴** 3 3  

**Total:** 16 16

### Additional Required Courses

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  

**Total:** 3 3

### Sophomore Year

#### Fall Semester
- **Social Science**  
  - **Domestic Diversity Rec.³** 6 6  
- **CAA GEN ED**  
  - **MATH 2172 Rec.** 4 4  
- **CAA GEN ED**  
  - **PHYS 2350 Rec.** 4 4  
- **CAA GEN ED** 1 1  
- **CAA Premajor/Elective**  
  - **MATH 3256 Rec.⁵** 3 3  

**Total:** 18 18

#### Spring Semester
- **Humanities/Fine Arts** 3 3  
- **CAA Premajor/Elective**  
  - **PHYS 2360 Rec.** 4 4  
- **CAA Premajor/Elective**  
  - **MATH 2173 Rec.** 4 4  

### Notes
- **Critical Path classes**
- AA degree from a college in the NCCC system is required.
### Junior Year

**Fall Semester**
- ENGR 2000: 1
- ENGR 2514: 4
- ENGR 3024 (WI): 3
- ENGR 3034: 4
- MATH 3307: 3

**Spring Semester**
- ENGR 3000: 2
- ENGR 3420: 2
- ENGR 3800: 3
- MENG 3073: 3
- MENG 4153: 3
- MENG 4650: 3

**Total:** 15

### Senior Year

**Fall Semester**
- ENGR 3050: 3
- ENGR 4010 (WI): 1
- MENG 3624: 3
- MENG 4263: 3
- Technical Elective: 3

**Spring Semester**
- BIOL 1050/51 or 1100/01: 4
- ENGR 3800: 3
- ENGR 4020 (WI): 2
- HLTH 1000: 2
- KINE 1000: 1
- Technical Elective: 4

**Total:** 16

**Minimum S.H. Required for Degree:** 128

The Bachelor of Science in Engineering requires a minimum of 128 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.
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.

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

Students must bundle EGR 150 and DFT 170 to receive credit for ENGR 1000 + 1012 + 1016.

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 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