

**COLLEGE OF THE ALBEMARLE**  
**Career and College Promise**  
**College Transfer Pathway**  
**Associate in Engineering (P1052C)**

The Associate in Engineering College Transfer Pathway (AECTP) is designed for high school juniors and seniors who wish to begin study toward the Associate in Engineering degree and a baccalaureate degree in Engineering. The AECTP is a structured set of courses included in the Comprehensive Articulation Agreement (CAA) between the University of North Carolina and the North Carolina Community College System.

To be eligible for enrollment in the College Transfer Pathway, a high school student must meet the following criteria:

1. Be a high school junior or senior;
2. Have an unweighted GPA of 2.8 or higher on high school courses OR demonstrate college readiness on an assessment or placement test in English, reading, and mathematics for enrollment in a College Transfer Pathway; and
3. Meet all course prerequisite requirements.

To maintain eligibility for continued enrollment, a student must:

1. Continue to make progress toward high school graduation, and
2. Maintain a 2.0 GPA in college coursework after completing two courses.

**A 10 50 0 Associate in Engineering**

**CONCENTRATION OVERVIEW**

The Associate in Engineering (AE) degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

The degree plan includes required general education and prerequisite courses that are acceptable to all state funded Bachelor of Engineering programs. Students who follow the degree progression plan will meet the entrance requirements at all of the North Carolina public Bachelor of Science Engineering programs. Associate in Engineering graduates may then apply to any of these programs without taking additional and sometimes duplicative courses. Admission to Engineering programs is highly competitive and admission is not guaranteed.

To be eligible for the transfer of credits under the AE to the Bachelor of Science in Engineering Articulation Agreement, community college graduates must obtain a grade of “C” or better in each course and an overall GPA of at least 2.5 on a 4.0 scale.

The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC) component of the Comprehensive Articulation Agreement. (All Universal General Education Transfer Component courses in which the student earns a grade of "C" or better will transfer for equivalency credit up to the distribution limits detailed in the CAA.)

COURSE NUMBER	COURSE TITLE	SEMESTER	COREQUISITES	PREREQUISITES	CREDITS
<b>STUDENT SUCCESS</b>					<b>1</b>
ACA 122	College Transfer Success			None	1
<b>COMPOSITION</b>					<b>6</b>
ENG 111	Writing & Inquiry			ENG 002, Tier 1	3
ENG 112	Writing/Research in the Disciplines			ENG 111	3
<b>HUMANITIES/FINE ARTS</b>					<b>3</b>
Select 1 course from: COM 231 (ENG 111), ENG 231 (ENG 112), ENG 232 (ENG 112), ENG 241 (ENG 112), ENG 242 (ENG 112)					
				Varies	3
<b>SOCIAL/BEHAVIORAL SCIENCES</b>					<b>3</b>
ECO 251				ENG 002, Tier 1 and MAT 003, Tier 1	3
<b>MATHEMATICS</b>					<b>8</b>
Select 2 courses from: MAT 271 (MAT 172), MAT 272 (MAT 271)					
				Varies	4
				Varies	4
<b>NATURAL SCIENCES</b>					<b>8</b>
Select 8 hours from: CHM 151(ENG 002, Tier 1 and MAT 003, Tier 2 and CHM 090 or one unit of high school chemistry) or PHY 251-252 (MAT 271 & Coreq MAT 272)					
				Varies	4
				Varies -	4
<b>ENGINEERING</b>					<b>5</b>
EGR 150	Intro to Engineering			None	2
DFT 170	Engineering Graphics			None	3

\*OPTIONAL GENERAL EDUCATION HOURS (0-8 SHC) Foreign Language: A student may take up to 8 SHC of foreign language courses and accompanying labs, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

\*\*High school students in the CCP College Transfer Pathway Leading to the Associate in Engineering must complete the entire pathway before taking additional courses in the Associate in Engineering degree with the following exception: Students may take additional math courses beyond MAT 272 that are required for the Associate in Engineering degree.