

TRI-COUNTY
COMMUNITY COLLEGE

COLLEGE TRANSFER: ASSOCIATE IN ENGINEERING



2020-2021

COLLEGE TRANSFER: A.E.

(A10500) The Associate in Engineering 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.

ASSOCIATE OF ENGINEERING – A.E.: GENERAL EDUCATION (42 CREDITS)	
UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT (42 CREDITS)	
All Universal General Education Transfer Component (UGETC) courses will transfer for equivalency credit under the Comprehensive Articulation Agreement.	
AREA	COURSES FULFILLING REQUIREMENTS
English Composition (6 credits)	ENG 111, ENG 112 (Both courses are required.)
Communication (3 credits)	COM 120 or COM 231 (Required course.)
Literature (3 credits)	Select one: ENG 231, ENG 232, ENG 241, ENG 242
Economics (3 credits)	Select one: ECO 251
Social Science (3 credits)	Select one: HIS 111, HIS 112, HIS 131, HIS 132, POL 120, PSY 150, or SOC 210
Mathematics (12 credits)	MAT 271, MAT 272, MAT 273 (All three classes are required.)
ASSOCIATE OF ENGINEERING – A.E.: OTHER REQUIRED HOURS (18 CREDITS)	
Required Courses (3 credits)	
Natural Sciences (12 credits)	CHM 151, PHY 251, PHY 252 (All three classes are required.)
Other General Education Electives and Premajor Hours (15 credits) Students should select these courses based on their intended major and transfer university.	
Academic Transition (1 credit)	ACA 122 (Required course.)
Required Engineering Course (2 credits)	EGR 150 (Required course.)
Electives and/or Premajor Courses	Select 15 hours from the following courses: BIO 111, CHM 152, COM 110, CSC 134, CSC 151, DFT 170, ECO 252, EGR 210, EGR 212, EGR 215, EGR 216, EGR 220, EGR 225, EGR 228, HUM 110, MAT 280, MAT 285, PED 110
TOTAL CREDIT HOURS REQUIRED FOR THE A.E. 60 CREDITS	

*Please see the Course Descriptions section of this catalog for prerequisites, corequisites, titles, descriptions, and credit hours of the courses listed.