ASSOCIATE IN ENGINEERING: (A10500)
Fall 2019 - Summer 2020

General Education: 42 Credits + Other Hours: 18 Credits = Total for Graduation: 60 Credits

General Education Core (42 SHC)

Universal General Education Transfer Component (34 SHC)
All Universal General Education Transfer Component (UGETC) courses will transfer to any one of the 16 UNC-System universities. Exceptions: Courses which are not classified as UGETC are italicized.

English Composition: 6 SHC required
ENG 111 Writing and Inquiry __________3
ENG 112 Writing/Research in the Disciplines __________3

Humanities/Fine Arts: 6 SHC required
Select two courses from two different disciplines (prefixes).

Humanities: Choose One Course
ENG 231 American Literature I __________3
ENG 232 American Literature II __________3
PHI 215 Philosophical Issues __________3
PHI 240 Introduction to Ethics __________3
REL 110 World Religions __________3

Fine Arts and Communication: Choose One Course
COM 231 Public Speaking __________3
ART 111 Art Appreciation __________3
ART 114 Art History Survey I __________3
ART 115 Art History Survey II __________3
MUS 110 Music Appreciation __________3
MUS 112 Intro to Jazz __________3

Social/Behavioral Sciences: 6 SHC required
Required:
ECO 251 Prin of Microeconomics __________3

Choose One Course:
HIS 111 World Civilizations I __________3
HIS 112 World Civilizations II __________3
HIS 131 American History I __________3
HIS 132 American History II __________3
POL 120 American Government __________3
PSY 150 General Psychology __________3
SOC 210 Intro to Sociology __________3

Mathematics: 12 SHC required
MAT 271 Calculus I __________4
MAT 272 Calculus II __________4
MAT 273 Calculus III __________4

Calculus I is the lowest level math course that will be accepted by the engineering programs for transfer as a math credit. Students who are not calculus-ready will need to take additional math credits.

Natural Sciences: 12 SHC required

Chemistry
CHM 151 General Chemistry I __________4
PHY 251 General Physics I __________4
PHY 252 General Physics II __________4

OTHER REQUIRED HOURS (18 SHC)

Academic Transition: 1 SHC required
ACA 122 College Transfer Success __________1

Pre-major Elective: 2 SHC required
EGR 150 Introduction to Engineering __________2

Other General Education and Pre-Major Elective Hours (15 SHC)
Select 15 SHC of courses from the following courses classified as pre-major, elective, or general education courses within the Comprehensive Articulation Agreement. Students must meet the receiving university’s foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Students should choose courses appropriate to the specific university and engineering major requirements.

BIO 111 General Biology I __________4
CHM 152 General Chemistry II __________4
COM 110 Introduction to Communication __________3
CSC 134 C++ Programming __________3
CSC 151 JAVA Programming __________3
DFT 170 Engineering Graphics __________3
ECO 252 Principles of Macroeconomics __________3
EGR 220 Engineering Statics __________3
EGR 225 Engineering Dynamics __________3
EGR 228 Introduction to Solid Mechanics __________3
HUM 110 Technology and Society __________3
MAT 280 Linear Algebra __________3
MAT 285 Differential Equations __________3
PED 110 Fitness and Wellness for Life __________2