

Career and College Promise (CCP)
College Transfer Pathway (CTP) – Leading to the Associate in Engineering Degree
34-50 Semester Hours of Credit (SHC)

Course Title	Course #	SHC	Scores Needed	Pre-requisites
The following English courses are required (6 semester hours of credit):				
Writing & Inquiry	ENG 111	3	Yes	College Readiness Test Scores
Writing/Research in the Disciplines	ENG 112	3	Yes	ENG 111
Select one course from the following (3 semester hours of credit):				
Art Appreciation	ART 111	3	Yes	College Readiness Test Scores
Art History Survey I	ART 114	3	Yes	College Readiness Test Scores
Art History Survey II	ART 115	3	Yes	College Readiness Test Scores
Public Speaking	COM 231	3	Yes	ENG 111
American Literature I	ENG 231	3	Yes	ENG 112
American Literature II	ENG 232	3	Yes	ENG 112
British Literature I	ENG 241	3	Yes	ENG 112
British Literature II	ENG 242	3	Yes	ENG 112
Music Appreciation	MUS 110	3	Yes	College Readiness Test Scores
Introduction to Jazz	MUS 112	3	Yes	College Readiness Test Scores
Philosophical Issues	PHI 215	3	Yes	ENG 111
Introduction to Ethics	PHI 240	3	Yes	ENG 111
The following course is required (3 semester hours of credit):				
Principles of Microeconomics	ECO 251	3	Yes	College Readiness Test Scores
The following courses are required (5 semester hours of credit):				
Introduction to Engineering	EGR 150	2	No	None
Engineering Graphics	DFT 170	3	No	None

Students may take the following courses to meet math prerequisites of MAT 271:

Pre-calculus Algebra	MAT 171	4	Yes	College Readiness Test Scores
Pre-calculus Trigonometry	MAT 172	4	Yes	MAT 171

Students who do not place directly into MAT 271 must complete MAT 171 and MAT 172 prior to enrolling in MAT 271 Calculus I.

The following courses are required (8 semester hours of credit):

Calculus I	MAT 271	4	Yes	MAT 172
Calculus II	MAT 272	4	Yes	MAT 271

Select 8 semester hours of credit from the following courses:

General Chemistry I	CHM 151	4	Yes	MAT 171 or higher AND CHM 092 or successful completion of high school chemistry and lab
General Physics I	PHY 251	4	Yes	MAT 271 and Corequisite of MAT 272
General Physics II	PHY 252	4	Yes	MAT 272 and PHY 251

Other Required Hours (1 semester hour of credit):

College Transfer Success	ACA 122	1	Yes	College Readiness Test Scores
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***Optional General Education Hours (0-8 SHC)**

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.

Total Semester Hours of Credit (SHC) in Pathway: 34-50

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.

Please see CC15-017 at <http://www.nccommunitycolleges.edu/search/content/numbered%20memos> for direct placement criteria for MAT 271 Calculus I.

SBCC Approved 5/19/16