



Effective Term
Fall 2016

**Career & College Promise College Transfer Pathway
Leading to the Associate in Engineering
(P1052C)**

The CCP College Transfer Pathway Leading to the Associate in Engineering is designed for high school juniors and seniors who wish to begin study toward the Associate in Engineering degree and a baccalaureate degree in a STEM or technical major.

GENERAL EDUCATION (28 SHC)			
The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC).			
English Composition (6 SHC):			
<i>The following two English composition courses are required.</i>			
ENG-111	Writing and Inquiry	DRE-098	3 SHC
ENG-112	Writing/Research in the Disc	ENG-111	3 SHC
Humanities/Fine Arts: <i>Select one courses from the following (3 SHC)</i>			
ART 111	Art Appreciation	DRE-098	3 SHC
ART 114	Art History Survey I	DRE-098	3 SHC
ART 115	Art History Survey II	DRE-098	3 SHC
COM-231	Public Speaking	DRE-098	3 SHC
ENG 231	American Literature I	ENG-112, ENG-113, or ENG-114	3 SHC
ENG 232	American Literature II	ENG-112, ENG-113, or ENG-114	3 SHC
ENG-241	British Literature I	ENG-112, ENG-113 or ENG-114	3 SHC
ENG-242	British Literature II	ENG-112, ENG-113 or ENG-114	3 SHC
MUS 110	Music Appreciation	DRE-098	3 SHC
MUS 112	Introduction to Jazz	DRE-098	3 SHC
PHI 215	Philosophical Issues	ENG-111	3 SHC
PHI 240	Introduction to Ethics	ENG-111	3 SHC
Social/Behavioral Sciences (3 SHC)			
<i>The following course is required:</i>			
ECO-251	Principles of Microeconomics	DRE-098, DMA-030	3 SHC

Mathematics (8 SHC)

The following courses are required (8SHC):

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 courses*

MAT-271	Calculus I	MAT-172	4 SHC
MAT-272	Calculus II	MAT-271	4 SHC

High school students in the CCPP 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 CC16-025 at <http://www.ncommunitycolleges.edu/search/numbered%20memos> for direct placement criteria for MAT 271 Calculus I.

Natural Sciences (8 SHC)

Select 8 SHC from the following course(s):

CHM-151	General Chemistry I	DMA-080, DRE-098	4 SHC
PHY-251	General Physics I	MAT-271, co-req MAT-272	4 SHC
PHY 252	General Physics II	MAT-242 and PHY-251	4 SHC

Other Required Hours (6SHC)**Academic Transition (1 SHC)**

The following course is required:

ACA-122	College Transfer Success	None	1 SHC
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Engineering (5 SHC)

The following course is required:

EGR-150	Introduction to Engineering	None	2 SHC
DFT-170	Engineering Graphics	???	3 SHC

***PREREQUISITE GENERAL EDUCATION HOURS (0-8 SHC)**

- MAT-171 Pre-Calculus Algebra
- MAT-172 Pre-Calculus Trigonometry

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

***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 Credit (SHC) in Program: 34-50*