

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

The CCP College Transfer Pathway Leading to the Associate in Engineering is designed for high school students who wish to begin study toward the Associate in Engineering degree and a baccalaureate degree in a STEM or technical major. **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 exception of math courses beyond MAT-272 that are required for the Associate in Engineering degree.**

English Composition (6 SHC)

The following two English Composition courses are required.

- ENG-111 Writing & Inquiry (3 SHC)
- ENG-112 Writing/Research in the Disciplines (3 SHC)

Courses Taken

Humanities/Fine Arts/Communications (3 SHC)

Select one course from the following list.

- ART-111 Art Appreciation (3 SHC)
- ART-114 Art History Survey I (3 SHC)
- ART-115 Art History Survey II (3 SHC)
- COM-231 Public Speaking (3 SHC) (*Pre-req of ENG-111*)
- ENG-231 American Literature I (3 SHC) (*Pre-req of ENG-112*)
- ENG-232 American Literature II (3 SHC) (*Pre-req of ENG-112*)
- ENG-241 British Literature I (3 SHC) (*Pre-req of ENG-112*)
- ENG-242 British Literature II (3 SHC) (*Pre-req of ENG-112*)
- MUS-110 Music Appreciation (3 SHC)
- MUS-112 Introduction to Jazz (3 SHC)
- PHI-215 Philosophical Issues (3 SHC) (*Pre-req of ENG-111*)
- PHI-240 Introduction to Ethics (3 SHC) (*Pre-req of ENG-111*)

Social/Behavioral Sciences (3 SHC)

The following course is required

- ECO-251 Principles of Microeconomics (3 SHC)

Mathematics (8 SHC)

The following course are required

- MAT-271 Calculus I (4 SHC) (Pre-req of MAT-172)
- MAT-272 Calculus II (4 SHC) (Pre-req of MAT-271)

Courses Taken

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

Natural Sciences (8 SHC)

Select 8 SHC from the following list.

- CHM-151 General Chemistry I (4 SHC)
(Pre-req of MAT-171 and High School Chemistry)
- PHY-251 General Physics I (4 SHC)
(Pre-req of MAT-271; Co-req of MAT-272)
- PHY-252 General Physics II (4 SHC)

Engineering (5 SHC)

The following courses are required.

- EGR-150 Introduction to Engineering (2 SHC)
(Pre-req of ENG-111 and MAT-171)
- DFT-170 Engineering Graphics (3 SCH)

Academic Transitions (1 SHC)

The following course is required.

- ACA-122 College Transfer Success (1 SHC)

Total Semester Hour Credits (SHC) in Pathway: 34

***Pre-requisite General Education Hours (0 – 8 SHC)**

Students who do not place directly into MAT-271 must complete MAT-171 (4 SHC) and MAT-172 (4 SHC) prior to enrolling in Calculus I.

Optional Foreign Language 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.