

Engineering

Associate in Science Degree (A.S.) with Guided Career Path for Engineering

At a Glance

The Pre-Engineering Program is designed for students who wish to prepare for a career in Engineering. Interested students should discuss their educational and career goals with an engineering advisor as early as possible before entering coursework to ensure proper course selection. Students will increase their knowledge of math and science so that they have a basic yet broad knowledge base which will complement their engineering studies upon transfer.

The Statewide Articulation Reporting System (STARS) will provide very specific transfer information to specific majors at each state-funded four-year institution. Once a student chooses a major and a place of transfer, an individualized guide and contract can be created. The STARS website can be accessed from the CACC homepage at www.cacc.edu. You may also access STARS from the CACC Admissions Office. CACC also has designated Transfer Advisors.

NOTE: *The sample Guided Curricular Path below contains all the elements required for degree/certificate completion. However, courses may be offered or taken in other semesters so long as prerequisites are met and courses are available. Additional options may also be available. Courses may be available days, nights, hybrid, and online. Sample paths for part-time attendance may also be available. Please see an advisor. *Students must check with the Senior Institution to determine which courses are required.*

First Semester

ORI 105	Orientation & Student Success	3
ENG 101	English Composition I	3
MTH 125	Calculus I	4
HIS 201	United States History I	3
ECO 231	Principles of Macroeconomics	3
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Total Semester Credit Hours		16

Second Semester

ENG 102	English Composition II	3
HIS 202	United States History I	3
MTH 126	Calculus II	4
CHM 111	College Chemistry I	4
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Total Semester Credit Hours		14

Third Semester

SPH 106	Fundamentals of Oral Communication	3
PHS 213	General Physics w/Calculus I	4
MTH 237	Linear Algebra	3
CHM 112	College Chemistry II	4

ART 100	Art Appreciation	3
Total Semester Credit Hours		17

Fourth Semester

MTH 238	Applied Differential Equations I	3
PHS 214	General Physics w/Calculus II	4
PHL 206	Ethics & Society	3
ENG 261	English Literature I	3
CIS 146	Microcomputer Applications	3
Total Semester Credit Hours		16

TOTAL CREDIT HOURS 63