

Pre-Engineering

(AS General Studies with Concentration in Pre-Engineering)

(Transfer Option)

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At a Glance

The Pre-Engineering focus 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 must follow standard admission procedures of the College.

Program Description

Students will increase their knowledge of math and science, so they have a basic yet broad knowledge base which will complement their engineering studies upon transfer. Students should be able to successfully navigate paths of Chemical Engineering, Civil Engineering, or other Engineering fields.

Program: General Studies

AS PRE-ENGINEERING – Guided Pathway/Map

1st Semester

Item #	Title	Credits
ORI 110	Freshman Seminar	1
ENG 101	English Composition I	3
MTH 125	Calculus I	4
HIS 201	United States History I	3
MUS 101	Music Appreciation	3
CIS 251	C++ Programming	3
	Sub-Total Credits	17

2nd Semester

Item #	Title	Credits
ENG 102	English Composition II	3
MTH 126	Calculus II	4
HIS 202	United States History II	3
PHL 206	Ethics and Society	3
PSY 200	General Psychology	3
	Sub-Total Credits	16

3rd Semester

Item #	Title	Credits
ENG 251	American Literature I	3
CHM 111	College Chemistry I	4
PHY 213	General Physics with CAL I	4
MTH 227	Calculus III	4
	Sub-Total Credits	15

4th Semester

Item #	Title	Credits
ENG 252	American Literature II	3
SOC 200	Introduction to Sociology	3
CHM 112	College Chemistry II	4
PHY 214	General Physics with CAL II	4
	Sub-Total Credits	14
	Total credits:	62