

General Studies - Chemical Engineering Pathway

Program Location: All locations except for Brookley Field

Length: Four Semesters + Summer Term

This pathway is designed for students who plan to transfer to a four-year institution to complete a baccalaureate degree in chemical engineering. Requirements vary among institutions. The following program is a composite of the requirements of the first two years of the baccalaureate degree at most four-year institutions. Students should have successfully completed a minimum of four units of high school mathematics, including trigonometry, and three units of science in biology, physics and chemistry.

Semester-by-Semester Pathway/Alabama Transfers Guide

A semester-by-semester pathway is provided as a guide for course selection. Students should consult their Degree Works degree plan and complete an *Alabama Transfers* transfer guide to ensure that they take the appropriate courses for their major at their selected four-year institution. Click [here](#) for a link to the *Alabama Transfers* site. Students are also encouraged to contact their advisor for assistance regarding courses to be completed.

Subject: **Engineering Pathways**

Type: A.S.

Semester One (Fall)

Item #	Title	Credits
CHM 111	College Chemistry I	4
ENG 101	English Composition I	3
MTH 125	Calculus I	4
ORI 101	Orientation to College	1

Semester Two (Spring)

Item #	Title	Credits
CHM 112	College Chemistry II	4
ENG 102	English Composition II	3
MTH 126	Calculus II	4
	Fine Arts Course	3

Summer Semester

MTH 270 is an optional course. Please check with the EGR advisor to determine if this will be accepted by the transfer institution.

Item #	Title	Credits
MTH 227	Calculus III	4
	History Sequence (Part I)	3
	Social Science Course	3

Semester Three (Fall)

EGR 101 is an optional course, but is strongly recommended. Please check with the EGR advisor to determine if this will be accepted by the transfer institution.

Item #	Title	Credits
CHM 221	Organic Chemistry I	4
PHY 213	General Physics I with Calculus	4
	History Sequence (Part II)	3
	Literature Course	3

Complete Graduation Application

Complete the [graduation application](#) and begin the process of a review of your degree plan before your final semester.

Semester Four (Spring)

Item #	Title	Credits
CHM 222	Organic Chemistry II	4
MTH 238	Applied Differential Equations I	3
PHY 214	General Physics II with Calculus	4
SPH 107	Fundamentals of Public Speaking	3
	Total credits:	64