General Studies - Computer 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 computer 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
ENG 102	English Composition II	3
MTH 126	Calculus II	4
	Fine Arts Course	3
	History Sequence (Part I)	3
	Social Science Course	3

Summer Semester

Please check with the EGR advisor to determine if MTH 270 will be accepted by the transfer institution.

Item #	Title	Credits
MTH 227	Calculus III	4
MTH 270	Probability and Statistics Concepts	3
	Literature Course	3

Semester Three (Fall)

Item #	Title	Credits
CIS 251	C ++ Programming	3
EGR 101	Engineering Foundations	3
MTH 237	Linear Algebra	3
PHY 213	General Physics I with Calculus	4

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
MTH 238	Applied Differential Equations I	3
PHY 214	General Physics II with Calculus	4
SPH 107	Fundamentals of Public Speaking	3
	History Sequence (Part II)	3
	Total credits:	64