

# General Studies - Mechanical Engineering Pathway

## Degree Type

A.S.

## Program Location: All locations except for Brookley Field

Length: Four Semesters + One Summer Term

This pathway is designed for students who plan to transfer to a four-year institution to complete a baccalaureate degree in mechanical 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.

### Semester One (Fall)

Item #	Title	Credits
ENG 101	English Composition I	3
CHM 111	College Chemistry I	4
MTH 125	Calculus I	4
ORI 101	Orientation to College	1
	History Sequence (Part I)	3
	<b>Sub-Total Credits</b>	<b>15</b>

### Semester Two (Spring)

Item #	Title	Credits
ENG 102	English Composition II	3
MTH 126	Calculus II	4
	Fine Arts Course	3
	Social Science Course	3
	<b>Sub-Total Credits</b>	<b>13</b>

### 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
EGR 125	Modern Graphics for Engineers	3
MTH 227	Calculus III	4
	History Sequence (Part II)	3
	<b>Sub-Total Credits</b>	<b>10</b>

### Semester Three (Fall)

Item #	Title	Credits
EGR 101	Engineering Foundations	3
MTH 237	Linear Algebra	3
PHY 213	General Physics I with Calculus	4
	Literature Course	3
	<b>Sub-Total Credits</b>	<b>13</b>

### 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
EGR 220	Engineering Mechanics - Statics	3
MTH 238	Applied Differential Equations I	3
PHY 214	General Physics II with Calculus	4
SPH 107	Fundamentals of Public Speaking	3
	<b>Sub-Total Credits</b>	<b>13</b>

	<b>Total Credits</b>	<b>64</b>
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#### Alabama Transfers

<https://alabamatransfers.com>

#### Program Webpage

<http://www.CoastalAlabama.edu/engineering>