

# MECHANICAL ENGINEERING

## Guided Pathway/Map

**NOTE:** The Guided Pathway below contains all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online. \*Please refer to your STARS guide or transfer institution for specific course requirements.

	Course #	Course Name	Semester Hours
<b>Semester 1</b>	ENG101	English Composition I	3
	MTH125	Calculus I	4
	History	<b>Choose a sequence in history:</b> HIS101 (Western Civilization) OR HIS121 (World History) OR HIS201 (US History)	3
	Fine Arts	MUS101 (Music Appreciation) OR ART100 (Art Appreciation) OR THR120 (Theatre Appreciation)	3
	ORI101	College Orientation	1
			Semester 1 Total: 14
<b>Semester 2</b>	ENG102	English Composition II	3
	Natural Science	PHY213 (General Physics with Calculus I)	4
	History	<b>Choose a history course to complete the sequence:</b> HIS102 (Western Civilization) OR HIS122 (World History) OR HIS202 (US History)	3
	Area V Elective	MTH126 (Calculus II)	4
	Area V Elective	CIS146 (Microcomputer Applications)	3
			Semester 2 Total: 17
<b>Semester 3</b>	Literature	<b>Choose a literature:</b> ENG251 or ENG252 (American Literature) OR ENG261 or ENG262 (English Literature) OR ENG271 or ENG272 (World Literature)	3
	Natural Science	PHY214 (General Physics with Calculus II)	4
	Area V Elective	MTH227 Calculus III	4
	Area V Elective	MTH238 (Applied Differential Equations I)	3
			Semester 3 Total: 14

<b>Semester 4</b>	Area IV Elective	<b>Choose one: (Please see STARS Guide)</b> ECO231 (Principles of Macroeconomics) OR ECO232 (Principles of Microeconomics) OR GEO100 (World Regional Geography) OR POL211 (American National Government) OR PSY200 (General Psychology) OR PSY210 (Human Growth & Development) OR SOC200 (Introduction to Sociology)	3
	Fine Arts	SPH106 (Fundamentals of Oral Communication) OR SPH107 (Fundamentals of Public Speaking)	3
	Area V Elective	CHM111 (College Chemistry I)	4
		CIS231 (FORTRAN Programming) OR CIS251 (C++ Programming)	3
	Area V Elective	<b>Please refer to STARS Guide.</b>	3
			Semester 4 Total: 16
			Program Total: 61
Additional	Courses	CHM112 (College Chemistry II)	4

Links to:

Alabama A&M: <http://www.aamu.edu/administrativeoffices/academicaffairs/pages/stars-transfer-system.aspx>

Auburn University: <http://ous.auburn.edu/faculty/area-v/area-v-engineering/engineering-mechanical/>

University of Alabama: <https://eng.ua.edu/admissions/transfer-information/#areaV-aem-mte>

University of Alabama at Birmingham:

<https://www.uab.edu/students/admissions/images/transfer/Mechanical-Engineering.pdf>

University of Alabama at Huntsville: <https://www.uah.edu/admissions/25-es/admissions/5072-transfer-mechanical-eng>

University of South Alabama:

<https://www.southalabama.edu/departments/registrar/areav/mechanical.html>