



**GENERAL STUDIES**

**Associate in Science Degree**

**ENGINEERING CONCENTRATION**

<b>AREA I: Written Composition</b>	<b>6 Total Hours</b>
ENG 101 – English Composition I	3
ENG 102 – English Composition II	3
<b>AREA II: Humanities and Fine Arts</b>	<b>9 Total Hours</b>
Choose one of the following courses: SPH 106 – Fundamentals of Oral Communication SPH 107 – Fundamentals of Public Speaking	3
Choose one of the following Fine Arts courses: ART 100 – Art Appreciation ART 203 – Art History I ART 204 – Art History II MUS 101 – Music Appreciation THR 120 – Theater Appreciation THR 126 – Introduction to Theater	3
Choose one of the following Literature courses: ENG 251 – American Literature I ENG 252 – American Literature II ENG 261 – English Literature I ENG 262 – English Literature II ENG 271 – World Literature I ENG 272 – World Literature II	3
<b>AREA III: Natural Sciences and Mathematics</b>	<b>12 Total Hours</b>
MTH 125 – Calculus I	4
CHM 111 – College Chemistry I	4
CHM 112 – College Chemistry II	4
<b>AREA IV: History, Social, and Behavioral Sciences</b>	<b>9 Total Hours</b>
Choose one of the following sequences: HIS 101 – Western Civilization I <b>and</b> HIS 102 – Western Civilization II HIS 121 – World History I <b>and</b> HIS 122 – World History II HIS 201 – U.S. History I <b>and</b> HIS 202 – U.S. History II	6
Choose one of the following courses: ANT 200 – Introduction to Anthropology ECO 231 – Principles of Macroeconomics ECO 232 – Principles of Microeconomics GEO 100 – World Reg Geography POL 200 – Introduction to Political Science POL 211 – American National Government PSY 200 – General Psychology PSY 210 – Human Growth and Development SOC 200 – Introduction to Sociology SOC 210 – Social Problems	3
<b>AREA V: Pre-Professional, Major, and Elective Courses</b>	<b>28 Total Hours</b>
Select 27 credit hours from the following: BIO 103 – Principles of Biology I CHM 221 – Organic Chemistry I CHM 222 – Organic Chemistry II CIS 251 – C++ Programming EGR 101 – Engineering Foundations EGR 125 – Modern Graphics for Engineers EGR 157 – Computer Methods for Engineers Using Matlab EGR 220 – Engineering Mechanics - Statics MTH 126 – Calculus II MTH 227 – Calculus III MTH 237 – Linear Algebra MTH 238 – Applied Differential Equations I PHY 213 – General Physics with Cal I	27

ORI 101 – Orientation to College	1
<b>Total Hours</b>	<b>64 SH</b>

Students should consult their transfer institution or the STARS templates at [www.coastalalabama.edu](http://www.coastalalabama.edu). See an academic advisor for assistance.