

**Chemical and Biomolecular Engineering BScE Program (Pre-Med) - 2022-2023**

1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MA125 (4) Calculus I	MA126 (4) Calculus II <MA125>	MA227 (4) Calculus III <MA126>	MA238 (3) Diff. Equations (MA227)	*CHE311 (3) Separations I <CHE203>, (CHE331)	**CHE363 (3) Sim. Chem Proc. <CHE311>	*CHE421 (3) Separations II <CHE311, CHE322>	**CHE462 (3) Design II <CHE461>
CH131 (4) Chemistry I	CH132 (4) Chemistry II <CH131>	CH201 (4) Organic Chem. I <CH132>	CH202 (4) Organic Chem. II <CH201>	*CHE321 (3) Transport Phen. I <PH201, MA238, CHE203>	**CHE322 (3) Transport Phen. II <CHE321>	*CHE441 (2) Unit Ops Lab I <CHE322, CHE342, CHE351, CHE352>	**CHE442 (2) Unit Ops Lab II <CHE311, CHE421, CHE441>
EH101 (3) Composition I	EH102 (3) Composition II <EH101>	CHE203 (4) Mat. & Energy Bal. <CH132, MA126, EH101>	EG231 (3) EG Economics <MA126>	*CHE331 (3) Thermo I (CHE 351), <CH201, PH201, CHE203, MA238>	**CHE332 (3) Thermo II <CHE331>, (CHE 352)	*CHE461 (3) Design I <EG231, CHE311, CHE332, CHE342, CHE372>	*CHE Elect. I (3)
BLY121 (4) General Biology	PH201 (4) Physics I (cal based) <MA125, EH101> (MA126)	PH202 (4) Physics II (cal based) <PH201, MA126, EH101>	BLY122 (4) General Biology II	*CHE351 (1) Modeling Lab (CHE311, CHE331)	**CHE372 (3) Reactor Design <CHE331>, (CHE322, CHE332)	*CHE452 (3) Proc. Controls <CHE372>	General Ed (3) CA 110 Public Speaking
EG101 (2) Freshman Seminar			General Ed (3) History	CH440 (3) Biochemistry I <CH202>	**CHE352 (1) Measurement Lab <CHE351>, (CHE332, CHE372)	*CHE Elect. I (3)	General Ed (3) Fine Art
				General Ed (3) PSY120 General Psychology	General Ed (3) Literature	General Ed (3) SY109 Intro Sociology	
17 cr-hr	15 cr-hr	16 cr-hr	17 cr-hr	16 cr-hr	16 cr-hr	17 cr-hr	14 cr-hr

< > indicates prerequisite courses; ( ) indicates corequisite courses

Courses in shaded boxes indicate PCS course: C - Grade or higher required (Only two attempts allowed for CHE 203)

C-Grade or higher required in all prerequisite courses

BMD 321 can be taken in place of CH 440

\* CHE Courses only taught in the fall semester

\*\*CHE courses only taught in the spring semester

BSCHE Program - 2022-2023	
All students are required to take EH 101 and EH 102, English Composition I and II, plus 18 hours of general education courses	
<b>Literature, Humanities and Fine Arts: 9 hrs total</b>	<b>History, Social Sciences, and Behavioral Sciences: 9 hrs total</b>
<b>L/H/FA</b>	<b>H/SBS</b>
<u>Literature - 3 hrs required</u>	<u>History -3 hrs required</u>
EH 215, 216      British Literature	HY 101, 102      History of Civilization
EH 225, 226      American Literature	HY 135, 136      US History
EH 235, 236      World Literature	
<u>Fine Arts - 3 hrs required</u>	<u>Social and Behavioral Sciences - 3 hrs required</u>
ARH 100            Survey of Art	GS 101            Gender Studies
ARH 103, 123    Art History	AIS 201            Seasons of Life
ARS 101            Art Appreciation	AN 100, 101      Anthropology
DRA 110            Intro to Drama	CA 100, 211      Communications
MUL 101            Intro to Music	ECO 215, 216    Economics
	GEO 114, 115    Geography
<u>Humanities - 3 hrs required</u>	PSC 130            US Government
<b>CA 110            Public Speaking*</b>	PSY 120, 250, 121 Psychology
	SY 109, 112      Sociology
	IS 100              Global Issues

BSCHE Elective Requirements	
<b>Students must take at least <u>six hours</u> of Chemical Engineering Electives</b>	
<b>Chemical Engineering Electives</b>	
<b>Choose at least 6 hours from this list</b>	
CHE 490	Special Topics in Chemical Eng. (3 hrs)
CHE 494	Directed Independent Study (3 hrs)
CHE 499	Senior Honors Project (4 or 6 hrs)

**Student Responsibility: The University of South Alabama will endeavor to provide timely and accurate advisement. However, students are ultimately responsible for selecting and registering for courses, meeting course pre-requisites and graduation requirements, and adhering to University policies and procedures.**