Chemical and Biomolecular Engineering BSChE Program - 2025-2026												
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)	MA126 (4)	MA227 (4)	MA238 (3)	*CHE311 (3)	**CHE363 (3)	*CHE421 (3)	**CHE462 (3)					
Calculus I	Calculus II	Calculus III	Diff. Equations	Separations I	Sim. Chem Proc.	Separations II	Design II					
	<ma125></ma125>	<ma126></ma126>	(MA227)	<che203>, (CHE331)</che203>	<che311></che311>	<che311, che322=""></che311,>	<che461></che461>					
CH131 (4)	CH132 (4)	CH201 (4)	CH202 (4)	*CHE321 (3)	**CHE322 (3)	*CHE441 (2)	**CHE442 (2)					
Chemistry I	Chemistry II	Organic Chem. I	Organic Chem. II	Transport Phen. I	Transport Phen. II	Unit Ops Lab I	Unit Ops Lab II					
	<ch131></ch131>	<ch132></ch132>	<ch201></ch201>	<ph201, ma238,<="" td=""><td><che321></che321></td><td><che322, che342,<="" td=""><td><che311, che421,<="" td=""></che311,></td></che322,></td></ph201,>	<che321></che321>	<che322, che342,<="" td=""><td><che311, che421,<="" td=""></che311,></td></che322,>	<che311, che421,<="" td=""></che311,>					
_				CHE203>		CHE351, CHE352>	CHE441>					
EH101 (3)	EH102 (3)	CHE203 (4)	EG231 (3)	*CHE331 (3)	**CHE332 (3)	*CHE461 (3)	**CHE Elect. II (3)					
Composition I	Composition II	Mat. & Energy Bal.	EG Economics	Thermo I	Thermo II	Design I						
	<eh101></eh101>	<ch132, ma126,<="" td=""><td><ma126></ma126></td><td>(CHE 351), <ch201,ph201,< td=""><td><che331>, (CHE 352)</che331></td><td><eg231, che311,="" che332,<="" td=""><td></td></eg231,></td></ch201,ph201,<></td></ch132,>	<ma126></ma126>	(CHE 351), <ch201,ph201,< td=""><td><che331>, (CHE 352)</che331></td><td><eg231, che311,="" che332,<="" td=""><td></td></eg231,></td></ch201,ph201,<>	<che331>, (CHE 352)</che331>	<eg231, che311,="" che332,<="" td=""><td></td></eg231,>						
		EH101>		CHE203, MA238>		CHE342, CHE372>						
BLY121 (3)	PH201 (4)	PH202 (4)	Tech Elective (3)	*CHE351 (1)	**CHE372 (3)	*CHE452 (3)	General Ed (3)					
General Biology	Physics I (cal based)	Physics II (cal based)		Modeling Lab	Reactor Design	Proc. Controls	L/H/FA or					
	<ma125, eh101=""></ma125,>	<ph201, ma126,<="" td=""><td></td><td>(CHE311, CHE331)</td><td><che331>, (CHE322,</che331></td><td><che372></che372></td><td>H/SBS</td></ph201,>		(CHE311, CHE331)	<che331>, (CHE322,</che331>	<che372></che372>	H/SBS					
	(MA126)	EH101>			CHE332)							
EG101 (2)			General Ed (3)	Chem Elect. (3-4)	**CHE352 (1)	*CHE Elect. I (3)	General Ed (3)					
Freshman Seminar		L/H/FA or		CH265 Intro Anal.	Measurement Lab		L/H/FA or					
			H/SBS	CH440 Biochem. I	<che351>, (CHE332,</che351>		H/SBS					
					CHE372)							
-	equisite courses; (	•										
Courses in shaded boxes indicate PCS course: C - Grade or higher required (Only two attempts allowed for CHE 203)				General Ed (3)	General Ed (3)	General Ed (3)						
C-Grade or higher required in all prerequisite courses				L/H/FA or	L/H/FA or	L/H/FA or						
	aken in place of CH			H/SBS	H/SBS	H/SBS						
* CHE Courses only taught in the fall semester												
**CHE courses only taught in the spring semester												
16 cr-hr	15 cr-hr	16 cr-hr	16 cr-hr	16 or 17 cr-hr	16 cr-hr	17 cr-hr	14 cr-hr					

BSChE Program - 2025-2026					BSChE Elective Requirements				
All students are required to take EH 101 and EH 102, English Composition I and II, plus 18 hours of general  Literature, Humanities and Fine Arts: History, Social Sciences, and Behavioral					Students must take one 3-hour Technical Elective and at least six hours of Advanced Engineering Electives				
L/H/FA		Thotoly, coolar c	H/SBS		Technical Electives		Advanced Engineering Electives		
Literature - 3 hrs required		History -3 hrs required	History -3 hrs required		Choose one course from this list		Choose at least 6 hours from this list		
EH 215, 216	216 British Literature HY 101, 102 History o	History of Civilization	History of Civilization Biology	BLY122 (only if CH440 or BMD321 is	CHE490	Special Topics in Chemical Eng. (3 hrs)			
EH 225, 226	American Literature	HY 135, 136	US History	ыоюду	also taken)	CHE494	Directed Independent Study (3 hrs)		
EH 235, 236	World Literature			Chemistry	Any course higher than CH202	CHE499	Senior Honors Project (4 or 6 hrs)		
				Comp Info Sci	CIS210	EG450	Intro to Systems Engineering(must select project option w/ChBE related project		
				Mathematics	MA 237, 332 or 354	CE370 w/CE374	Intro to Environmental Eng w/lab		
Fine Arts - 3 hrs required		Social and Behavioral	Social and Behavioral Sciences - 3 hrs required		ST 315 or 320	CE470 w/CE471	Water-Wastewater Treatment Design		
ARH 100	Survey of Art	GS 101	Gender Studies	Physics	Any standard* course higher than PH 202	EG315	Mechanics of Materials		
ARH 103, 123	Art History	AIS 201	Seasons of Life			ME326	Materials Science (pre-req of EG315)		
ARS 101	Art Appreciation	AN 100, 101	Anthropology			ME365	Design of Fluid Power Systems (pre-req of EG315)		
DRA 110	Intro to Drama	CA 100, 211	Communications			ME411	Thermal System Design		
MUL 101	Intro to Music	ECO 215, 216	Economics			ME452	Combustion (pre-req of ME312 and EG270)		
		GEO 114, 115	Geography			ME453	IC Engines (pre-req of ME312 and EG270)		
Humanities - 3 hrs rec	quired	PSC 130	US Government			ME461	Turbomachinery (pre-req of ME312 and EG270)		
CA 110	Public Speaking*	PSY 120, 250, 121	Psychology			ME463	Intro. Biomedical Engineering		
		SY 109, 112	Sociology			EE449	Controls Lab		
		IS 100	Global Issues			EE489	Renewable Energy		
						EE331	Physical Electronics		
						EE439	VSLI Technology-Fabrication (pre-req of EE331)		
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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.

Any standard\* 200-level or higher course (excluding EG270, EG360, ME317)

<sup>\*</sup>Standard is a typical didactic course, not DIS, independent studies, or research