

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) 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>, (CHE332 CHE372)	*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, CHE332, CHE342, CHE372>	**CHE Elect. II (3)
BLY121 (3) General Biology	PH201 (4) Physics I (cal based) <MA125, EH101> (MA126)	PH202 (4) Physics II (cal based) <PH201, MA126, EH101>	Tech Elective (3)	*CHE351 (1) Modeling Lab (CHE311, CHE331)	**CHE372 (3) Reactor Design <CHE331>, (CHE322, CHE332)	*CHE452 (3) Proc. Controls <CHE372>	General Ed (3) L/H/FA or H/SBS
EG101 (2) Freshman Seminar			General Ed (3) L/H/FA or H/SBS	Chem Elect. (3-4) CH265 Intro Anal. CH440 Biochem. I	**CHE352 (1) Measurement Lab <CHE351>, (CHE332, CHE372)	*CHE Elect. I (3)	General Ed (3) L/H/FA or H/SBS
< > 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				General Ed (3) L/H/FA or H/SBS	General Ed (3) L/H/FA or H/SBS	General Ed (3) L/H/FA or H/SBS	
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