

Chemical Engineering (2012-13)

Below is the *advised sequencing* of courses for this degree,
the official degree requirements are found in the University General Catalog.

FRESHMAN YEAR				SOPHOMORE YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
ENGR 102	3	ECE 175	3	CHEE 201	3	CHEE 202	4
MATH 125 or 122A/B#	3/5	MATH 129	3	CHEE 201L	1	CHEE 203	3
CHEM 151	4	CHEM 152	4	MATH 223	4	MATH 254	3
ENGL 101	3	ENGL 102	3	PHYS 141	4	PHYS 241	4
Tier 1 INDV*	3	Tier 1 INDV*	3	CHEM 241a	3	CHEM 241b	3
				CHEM 243a	1		
TOTAL 16/18		TOTAL 16		TOTAL 16		TOTAL 17	

JUNIOR YEAR				SENIOR YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
CHEE 303	3	CHEE 305	3	CHEE 420	3	CHEE 413	3
CHEE 402	3	CHEE 326	3	CHEE 442	3	CHEE 443	3
CHEE 477R	3	CHEM 480B, 481, 462B ‡ or BME 510 or 511 †	3	CHEE 401A	1	Engr Elect***	3
CHEM 480a	3	Tech Requirement**	3	Engr Elect***	3	Tech Elect*****	3
CHEE 301A	1	CHEE 301B	1	Tech Elect*****	3	Tier 2 Art/Hum*	3
Tier 1 TRAD*	3	Tier 2 INDV*	3	Tier 1 TRAD*	3		
TOTAL 16		TOTAL 16		TOTAL 16		TOTAL 15	

TOTAL UNITS = 128

MATH 122A/B is a 5 unit version of MATH 125. Students taking MATH 122A/B should consider delaying the Tier 1 INDV course to maintain a reasonable academic load.

* INDV/TRAD/Art/Hum courses must meet University general education requirements. One course must be recognized by the University as focusing on gender, race, class, ethnicity, sexual orientation or non-western area of studies. TRAD 101 satisfies this requirement.

** To meet the tech. requirement, students must complete 3 units from CE 214 (Statics), ECE 207 (Intro to ECE), MSE 331R, 3 units from (ENGR 211 C, E, I, M, and R), or MATH 363.

*** To meet the engr. elective requirement, students must complete 6 units of 3xx/4xx Engr. Courses and/or ATMO 469A or 469B.

**** To meet the tech elective requirement, students must complete 6 units of 3xx/4xx ENGR, Science, or Business courses.

† Must have a GPA \geq 3.00

‡ Petition to replace CHEE 477R by CHEM 462A to take Biochemistry course sequence and have the prerequisites.