

CHEMICAL ENGINEERING 2017-18

	Units		Units
PREPARATION FOR THE MAJOR		UNIVERSITY REQUIREMENTS	
CH E 5	3	American History and Institutions – (one 4-unit course, may be counted as G.E. if selected from approved list)	
CH E 10	3	_____	
CHEM 1A, 1B, 1C or 2A, 2B, 2C	9	UC Entry Level Requirement: English Composition	
CHEM 1AL, 1BL, 1CL or 2AC, 2BC, 2CC	6	<i>Must be fulfilled within three quarters of matriculation</i>	
CHEM 6AL-BL	6	Satisfied by: _____	
CHEM 109A or AH, 109B or BH	8	GENERAL EDUCATION	
ENGR 3	3	General Subject Areas	
MATH 3A-B, 4A-B, 6A-B or 4AI-4BI, 6AI	24	Area A: English Reading & Comprehension – (2 courses required)	
PHYS 1, 2, 3, 3L	12	A-1: _____ A-2: _____	
UPPER DIVISION MAJOR		Areas D & E: Social Sciences, Culture and Thought (2 courses minimum)	
CH E 107	3	_____	
CH E 110A-B	6	Areas F & G: The Arts, Literature (2 courses minimum)	
CH E 119	1	_____	
CH E 120A-B-C	10	2 additional courses from Areas D, E, F, G, or H	
CH E 128	3	_____	
CH E 132A-B-C	10	_____	
CH E 140A-B	6	Special Subject Areas	
CH E 152A	4	Depth: _____	
CH E 180A-B	6	_____	
CH E 184A-B	6	Ethnicity (1 course): _____	
CHEM 113B-C	8	European Traditions (1 course): _____	
MATRL 101 or MATRL 100B *^	3	Writing (4 courses required): _____	
*^ see note on next page		_____	
Technical Elective requirement	15	_____	
<i>Prior approval of the student's technical electives must be obtained from the undergraduate adviser.</i>			
<i>At least 9 of the 15 units must be in the following departments in the College of Engineering: CH E, ECE, MATRL, ME</i>			
Approved Technical Elective Requirement classes:			
CH E 102	CHEM 123	MATRL 185	
CH E 121	CHEM 126	MCDB 101A,B	
CH E 124	CHEM 142A,B,C	MCDB 111	
CH E 125	CHEM 145	MCDB 126A,B,C	
CH E 126	CHEM 147	MCDB 133	
CH E 141	CHEM 150	MCDB 138	
CH E 152B	ECE 130A,B,C	ME 110	
CH E 154	ECE 183	ME 112	
CH E 160	ENGR 101	ME 128	
CH E 171	ENGR 103	ME 134	
CH E 173	ENV S 105	ME 169	
CH E 196 ¹	MATH 122A,B	ME 185	
CH E 198 ¹	MATRL 100A,C	PHYS 123A,B	
CHEM 109C	MATRL 135	PHYS 127AL	
CHEM 115A,B,C	MATRL 160	PHYS 127BL	
¹ Three units maximum from CH E 196 and CH E 198 combined; only for students with GPA of 3.0 or higher.			
Technical electives taken:			

Courses required for the major, inside or outside of the Department of Chemical Engineering, cannot be taken for the passed/not passed grading option. They must be taken for letter grades.			
NON-MAJOR ELECTIVES		32	
General Education and Free Electives taken:			

TOTAL UNITS REQUIRED FOR GRADUATION 187			