

CHEMICAL ENGINEERING 2018-19

	Units		Units
PREPARATION FOR THE MAJOR	74	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		
ENGR 3	3		
MATH 3A-B, 4A or 4AI, 4B or 4BI, 6A or 6AI, 6B	24		
PHYS 1, 2, 3, 3L	12		
UPPER DIVISION MAJOR	81	GENERAL EDUCATION	
CH E 107	3	General Subject Areas	
CH E 110A-B	6	Area A: English Reading & Comprehension – (2 courses required)	
CH E 119	1	A-1: _____ A-2: _____	
CH E 120A-B-C	10	Area D: Social Science	
CH E 128	3	(2 courses minimum)	
CH E 132A-B-C	10	_____	
CH E 140A-B	6	Area E: Culture and Thought	
CH E 152A	4	(2 courses minimum)	
CH E 180A-B	6	_____	
CH E 184A-B	6	Area F: The Arts	
CHEM 113B-C	8	(1 course minimum)	
MATRL 101 or MATRL 100B *^	3	Area G: Literature	
*^ see note on next page		(1 course minimum)	
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:		Special Subject Areas	
CH E 102 CHEM 115A,B,C MATRL 160		Ethnicity (1 course): _____	
CH E 121 CHEM 123 MATRL 185		European Traditions	
CH E 124 CHEM 126 MCDB 101A,B		or World Cultures (1 course): _____	
CH E 125 CHEM 142A,B,C MCDB 111		Writing (4 courses required):	
CH E 126 CHEM 145 MCDB 126A,B,C		_____	
CH E 141 CHEM 147 MCDB 133		_____	
CH E 146 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			
		NON-MAJOR ELECTIVES	32
		General Education and Free Electives taken:	

		TOTAL UNITS REQUIRED FOR GRADUATION 187	

¹Three units maximum from CH E 196 and CH E 198 combined; only for students with GPA of 3.0 or higher.

Technical electives taken:

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Courses that can apply toward 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.