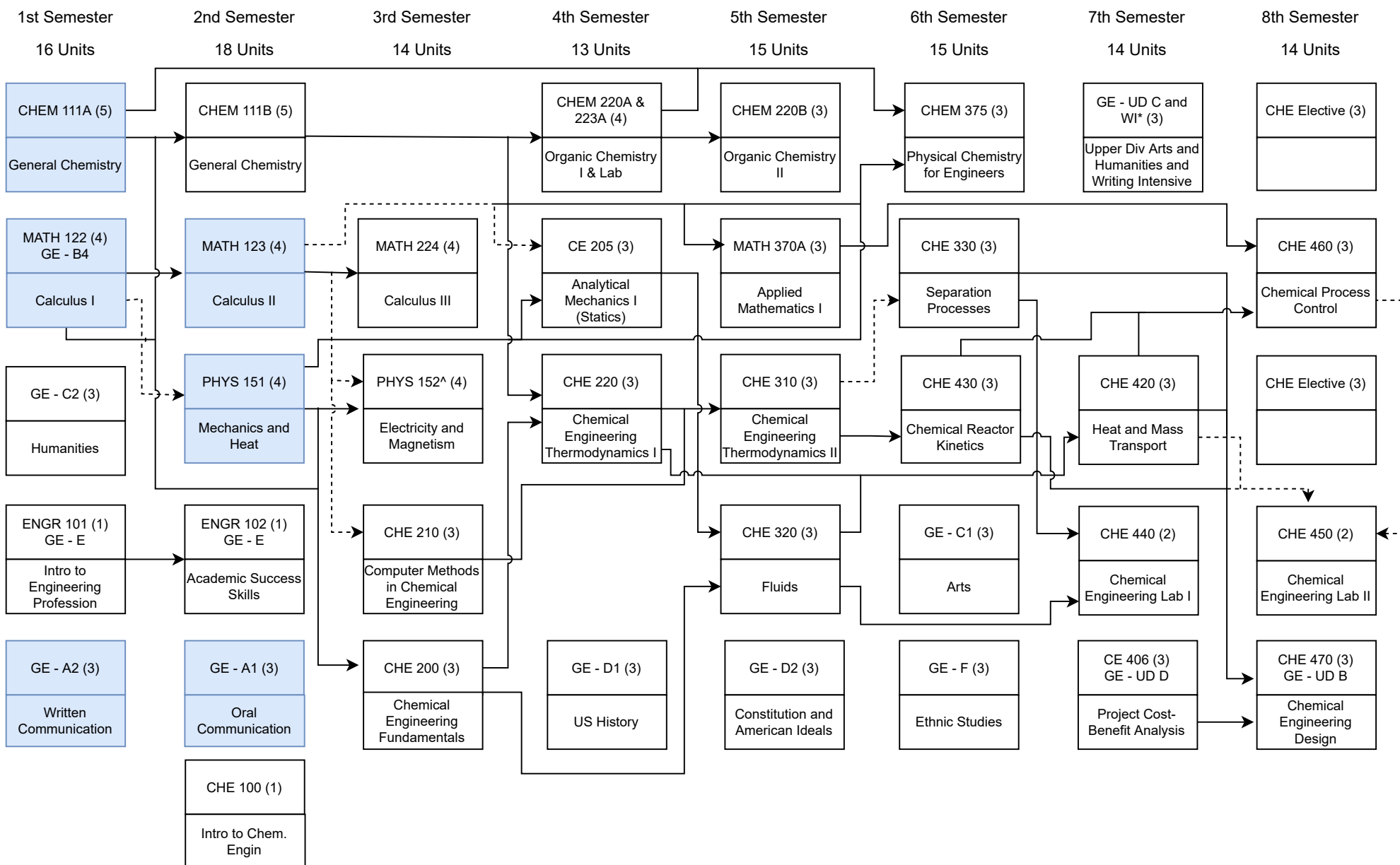


This sheet is **UNOFFICIAL**. Your requirements may differ from these. For your exact requirements, consult your Academic Requirements Report. This is a Four Year Plan - 120 Units Required.



Legend:
 ^ = could take EE210/L (4) Electro-Magnetic Foundations in EE + Lab instead
 * or ** = elective info
 —————> Prerequisite
 - - - - -> Corequisite

Contact Information
 CECS Office Phone: 562-985-4285
 Major Advisor: Dr. Sergio Mendez
 Room: EN2-101
 Email: sergio.mendez@csulb.edu

- Need CHEM111A, MATH 122, MATH 123, PHYS 151, GE A1 & A2 to declare major
 - GWAR requirement: complete GPE exam + WI course
 - Complete GPE exam before 46-60 units

Electives
Take 6 units from the following:
 CHE 415, CHE 426, CHE 427, CHE 431, CHE 432, CHE 433, CHE 437, CHE 439, CHE 445, CHE 461, CHE 462, CHE 471, CHE 475, CHE 480, CHE 485, CHE 490
 Note: please check for the prereq on catalog.csulb.edu

2022-2023 (only) GE Pattern Worksheet: Chemical Engineering

Last Name	First Name	CSULB ID#	Date

General Education Category	Course	Comp/IP	Double Count
Lower Division (100 and 200 level courses)			
Upper Division (300 and 400 level courses) - 9 units Required			
Area A: English, Communication & Critical Thinking – 9 units			
A1) Oral Communication/Speech – 3.0 units <u>Foundation</u>			
A2) Written Communication – 3.0 units <u>Foundation</u>			
A3) Critical Thinking – 3.0 units <u>Foundation</u>	Waived for Engineering majors		
Area B: Life Sciences, Physical Sciences & Math/Quantitative Reasoning – 12-13 units			
<i>Life Sciences & Physical Sciences with Lab – 9.0 units</i>			
B1) Physical Science W/Lab– 3.0 units	PHYS 151		Major
B2) Life Science – 3.0 units	Waived for Chemical Engineering majors		
B3) Laboratory Experience Verification	PHYS 151		Major
<i>Math/Quantitative Reasoning – 3.0 units</i>			
B4) Mathematics – 3.0 units <u>Foundation</u>	MATH 122		Major
Upper Division Scientific Inquiry/Quantitative Reasoning – 3.0 units	CH E 470		Major
Area C: Arts & Humanities – 9 units (6 units Lower Division and 3 units Upper Division)			
<i>To satisfy Lower Division requirements, must complete 3 units in Arts (C1) and 3 units Humanities (C2)</i>			
C1) Arts – 3.0 units			
C2) Humanities – 3.0 units			
C3) Additional Arts or Humanities – 3.0 units	Waived for Chemical Engineering majors		
Upper Division Arts and Humanities – 3.0 units required			
Area D: Social Science & Citizenship – 9.0 units (6 units of Lower Division (2 of 3 areas only), 3 units of Upper Division) US History and Political Science Required			
D) U.S. History – 3.0 units			
D) U.S Constitution & American Ideals – 3.0 units			
D) Social Sciences & Citizenship – 3.0 units	Not recommended for Engineering majors		
Upper Division Social Science – 3.0 units required	CE 406		Major
Area E: Lifelong Learning & Self Development – 3.0 units (Lower Division only)			
1) Intro to the Engineering Profession (ENGR 101) – 1.0 unit	ENGR 101		Major
2) Engineering Skills (ENGR 102) – 1.0 unit	ENGR 102		Major
3) Intro to major-specific orientation – 1.0 unit	CH E 100		Major
Area F (F-ES): Ethnic Studies – 3.0 units (Lower Division only)			
1) Ethnic Studies (F-ES) – 3.0 units			
Graduation Writing Assessment Requirement (GWAR)- Writing Intensive (WI) Course – 3.0 units <i>*(Can be double-counted with Upper Division C)</i>			

I recognize that certain aspects of this GE Pattern are still being developed and I must consult the current CSULB GE website for approved GE courses. www.csulb.edu/ge. I understand that this form is for general planning purposes only, is considered unofficial, subject to change, and is based on the 2021-2022 CSULB Catalog.

Student Signature _____

Date _____

Advisor Signature _____

Date _____