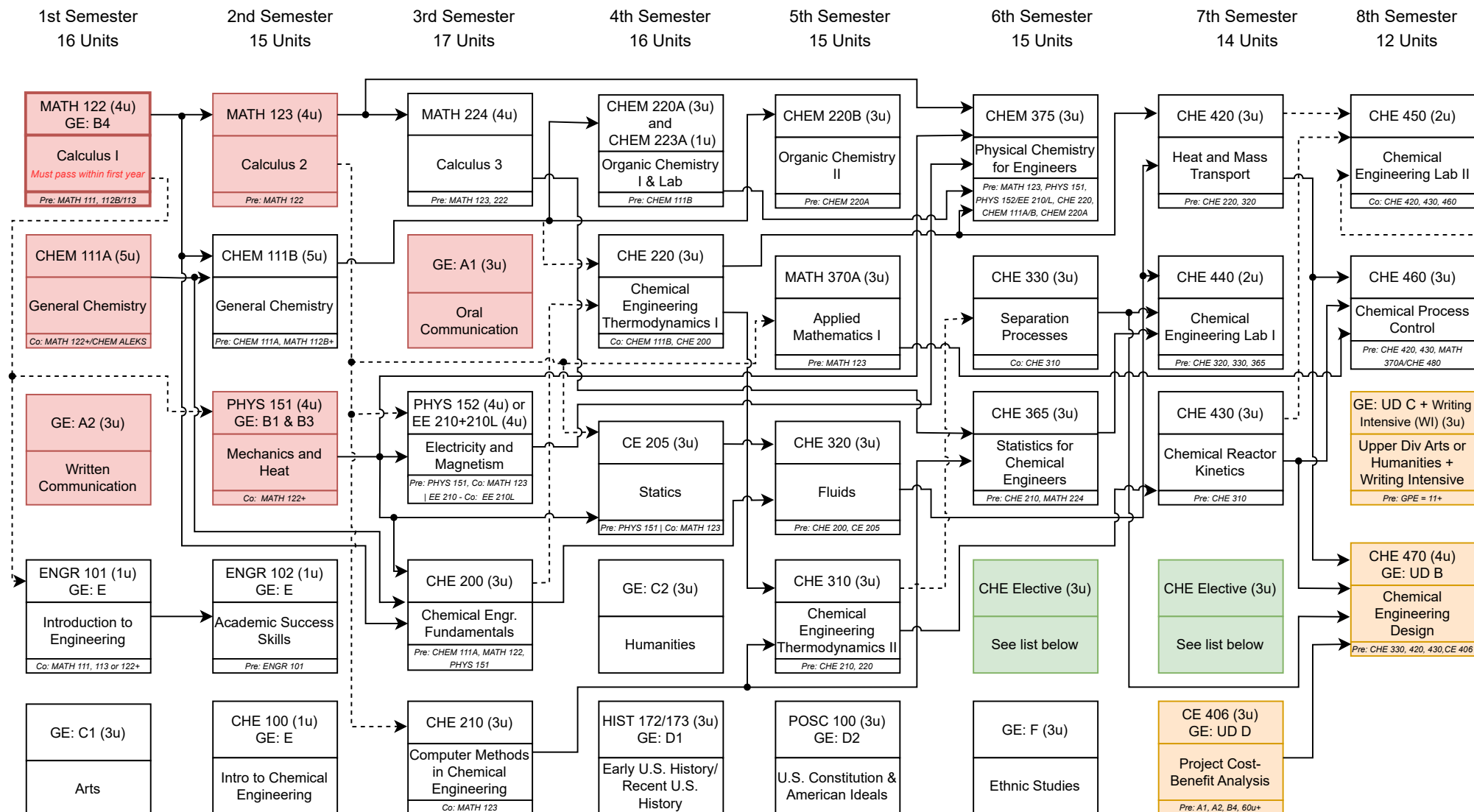


This sheet is **UNOFFICIAL** and subject to change without notice. Your requirements may differ from these. For your exact requirements, consult your Academic Requirements Report.

This sample flowchart shows the order courses are recommended to be completed for a Four Year Plan - 120 Units Required.



Legend:

- u = units
- MSDR
- Major and UD GE Double-Count
- Elective
- Pre/Prerequisite
- Co/Corequisite

Contact Information

ChE Office: EN2 101 | Phone: (562) 985-4909

Pre-Major Advisor:
ESSC Advising
Office: EN2-304A
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Faculty Advisor:
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To Fully Declare:
Complete **MATH 122**, **MATH 123**, **CHEM 111A**, **PHYS 151**, **GE A1** & **A2** prior to earning 60u

GWAR Requirement:
Complete GPE (Between 46-60u) + WI course

Electives
Take 6* units from the following:

CHE 415, 426, 427, 428, 431, 432, 433, 434, 437, 439, 445, 455, 461, 462, 471, 475, 480, 485, 490

*Fundamentals of Engineering (FE) Exam waives 3u of electives.
Consult catalog.csulb.edu for more information.

2024-2025 (only) GE Pattern Worksheet: Chemical Engineering

Last Name	First Name	CSULB ID#	Date

General Education Categories <i>Lower Division (100-200 level courses) Upper Division (300-400 level courses)</i>		Course	Comp/IP	Double-Count
Area A: English, Communications & 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 B (Scientific Inquiry/Quantitative Reasoning) - 3.0 units		CHE 470		Major
Area C: Arts & Humanities – 9 units (6 units Lower Division and 3 units Upper Division)				
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 C (Arts and Humanities) - 3.0 units required				
Area D: Social Science & Citizenship – 9.0 units (6 units of Lower Division, 3 units of Upper Division) <i>U.S. History and Political Science Required</i>				
D1) U.S. History – 3.0 units				
D2) U.S Constitution & American Ideals – 3.0 units				
D3) Social Sciences & Citizenship – 3.0 units		Not recommended for Engineering majors		
Upper Division D (Social Science) - 3.0 units required		CE 406		Major
Area E: Lifelong Learning & Self Development – 3.0 units (Lower Division only)				
E1) Intro to the Engineering Profession (ENGR 101) – 1.0 unit		ENGR 101		Major
E2) Academic Success Skills (ENGR 102) – 1.0 unit		ENGR 102		Major
E3) Intro to major-specific orientation – 1.0 unit		CHE 100		Major
Area F: Ethnic Studies - 3.0 units (Lower Division only)				
F1) Ethnic Studies – 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 2024-2025 CSULB Catalog.

Student Signature

Date

Advisor Signature

Date