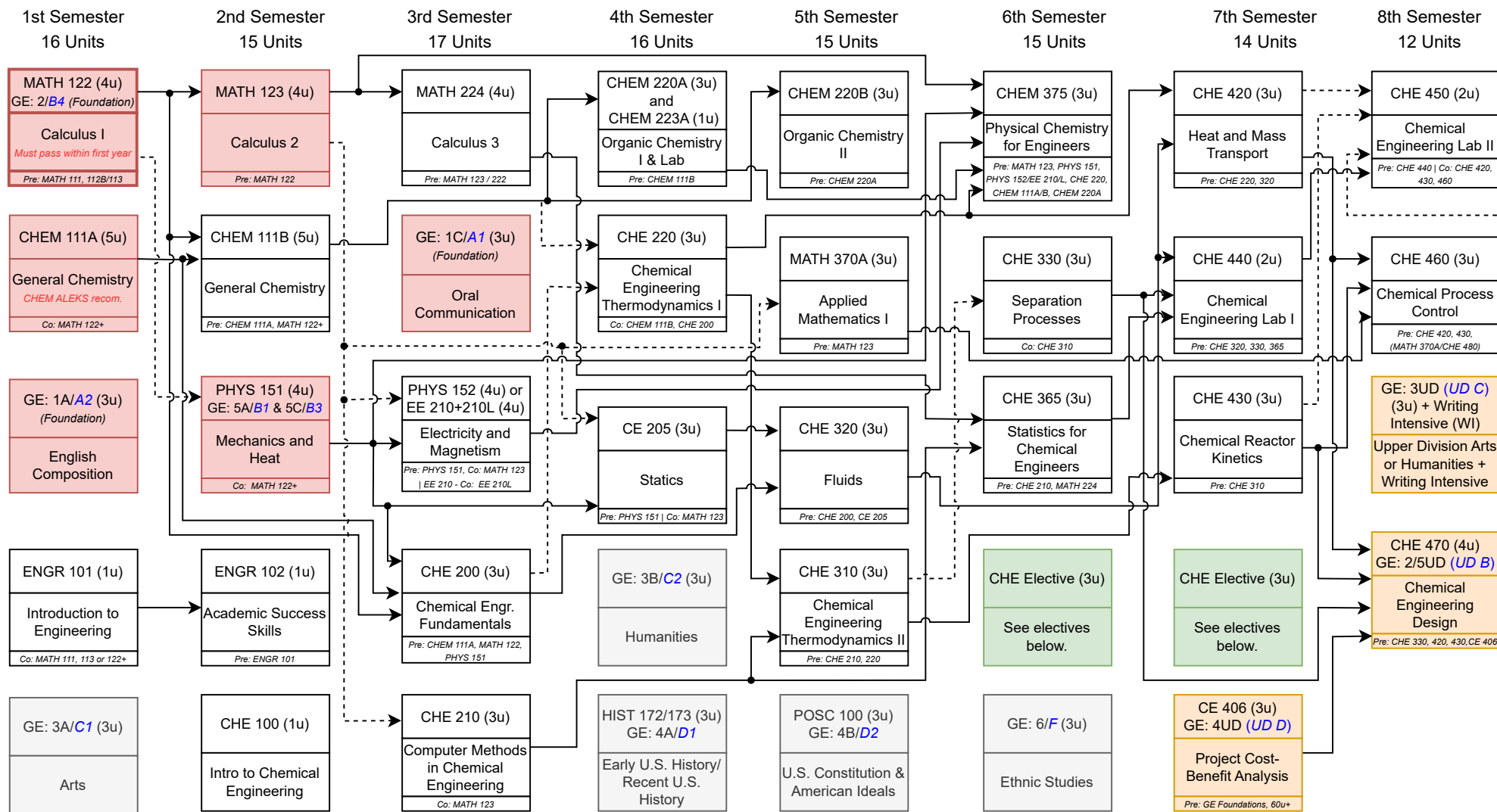




This sheet is **UNOFFICIAL** and subject to change without notice. Your requirements may differ from these. For your exact requirements, consult your Academic Requirements Report.

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

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To Fully Declare in COE:

Complete **MATH 122, 123, CHEM 111A, PHYS 151, GE 1A & 1C** with **≥ 2.5 GPA** before 60u.

To Continue in COE:

Once declared, maintain **≥ 2.0 GPA** and make satisfactory degree progress.

CHEMICAL ELECTIVES**Take 6* units from the following:**

CHE 415, 426, 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.

2025-2026 (only) GE Pattern Worksheet: Chemical Engineering

LOWER-DIVISION (100 and 200 level courses) – 34 units required			
General Education Category	Course	Comp/IP	Double-Count
Area 1: English Communication – 9 units			
1A/ A2) English Composition – 3 units <u>Foundation</u>			
1B/ A3) Critical Thinking – 3 units <u>Foundation</u>	Waived for Engineering majors		
1C/ A1) Oral Communication – 3 units <u>Foundation</u>			
Area 2: Mathematical Concepts and Quantitative Reasoning – 3 units			
2/ B4) Mathematics – 3 units Foundation	MATH 122		Major
Area 3: Arts and Humanities – 3 units			
3A/ C1) Arts – 3.0 units			
3B/ C2) Humanities – 3.0 units			
Area 4: Social and Behavioral Sciences – 6 units			
4A/ D1) U.S. History – 3 units	HIST 172/HIST 173		
4B/ D2) U.S. Constitution & American Ideals – 3 units	POSC 100		
Area 5: Physical and Biological Sciences – 7 units			
5A/ B1) Physical Science – 3 units	PHYS 151		Major
5B/ B2) Biological Science – 3 units			
5C/ B3) Laboratory – 1 unit	PHYS 151		Major
Area 6: Ethnic Studies – 3 units			
6/ F) Ethnic Studies – 3 units			
UPPER-DIVISION (300 and 400 level courses) – 9 units required			
General Education Category	Course	Comp/IP	Double-Count
2 UD: Math Concepts/Quantitative Reasoning or 5 UD: Science (UD B) – 3 units	CHE 470		Major
3 UD/ UD C : Arts or Humanities – 3 units			
4 UD/ UD D : Social and Behavioral Sciences – 3 units*	CE 406		Major
Graduation Writing Assessment Requirement (GWAR) – 3 units required			
Writing Intensive (WI) Course – 3 units			3 UD/ UD C

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. I understand that this form is for general planning purposes only, is considered unofficial, subject to change, and is based on the 2025-2026 CSULB Catalog.

Student Name

Student ID

Student Signature

Date