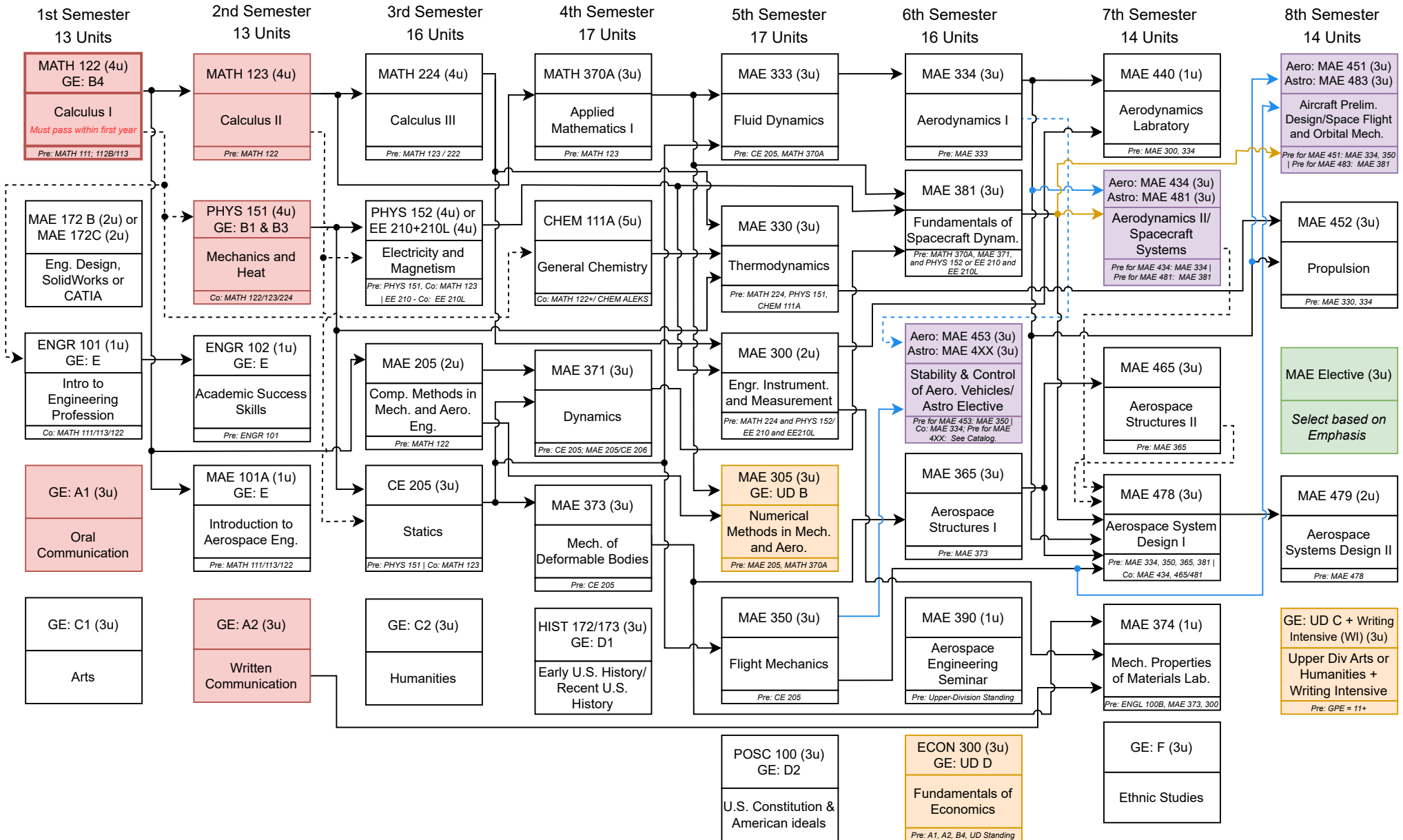


This flowchart is **UNOFFICIAL** and subject to change without notice. Your requirements may differ from these. For your exact requirements, consult your Academic Requirements Report.

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

**Legend:**

- Aero/Astro Emphasis
- MSDR
- Major and UD GE Double-Count
- Elective based on Emphasis
- Pre/Prerequisite
- Co/Corequisite

Contact Information

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To Fully Declare:

Complete **MATH 122**,
MATH 123, PHYS 151, GE A1
& A2 prior to earning 60u
GWAR Requirement:
Complete GPE (Before 46-
60u) + WI course

Major Emphasis Electives

Take 3-6 units from following:

Aeronautics (3u)

MAE 422, 431, 435, 454,
476, 481, 483

Astronautics (6u)

MAE 422, 431, 434, 435,
451, 453, 454, 476

Consult catalog.csulb.edu for prerequisites.

2024-2025 (only) GE Pattern Worksheet: Aerospace 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
Area A: English, Communications & Critical Thinking - 9 units			Double-Count
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 Aerospace 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		MAE 305	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 Aerospace 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		ECON 300	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		MAE 101A	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.