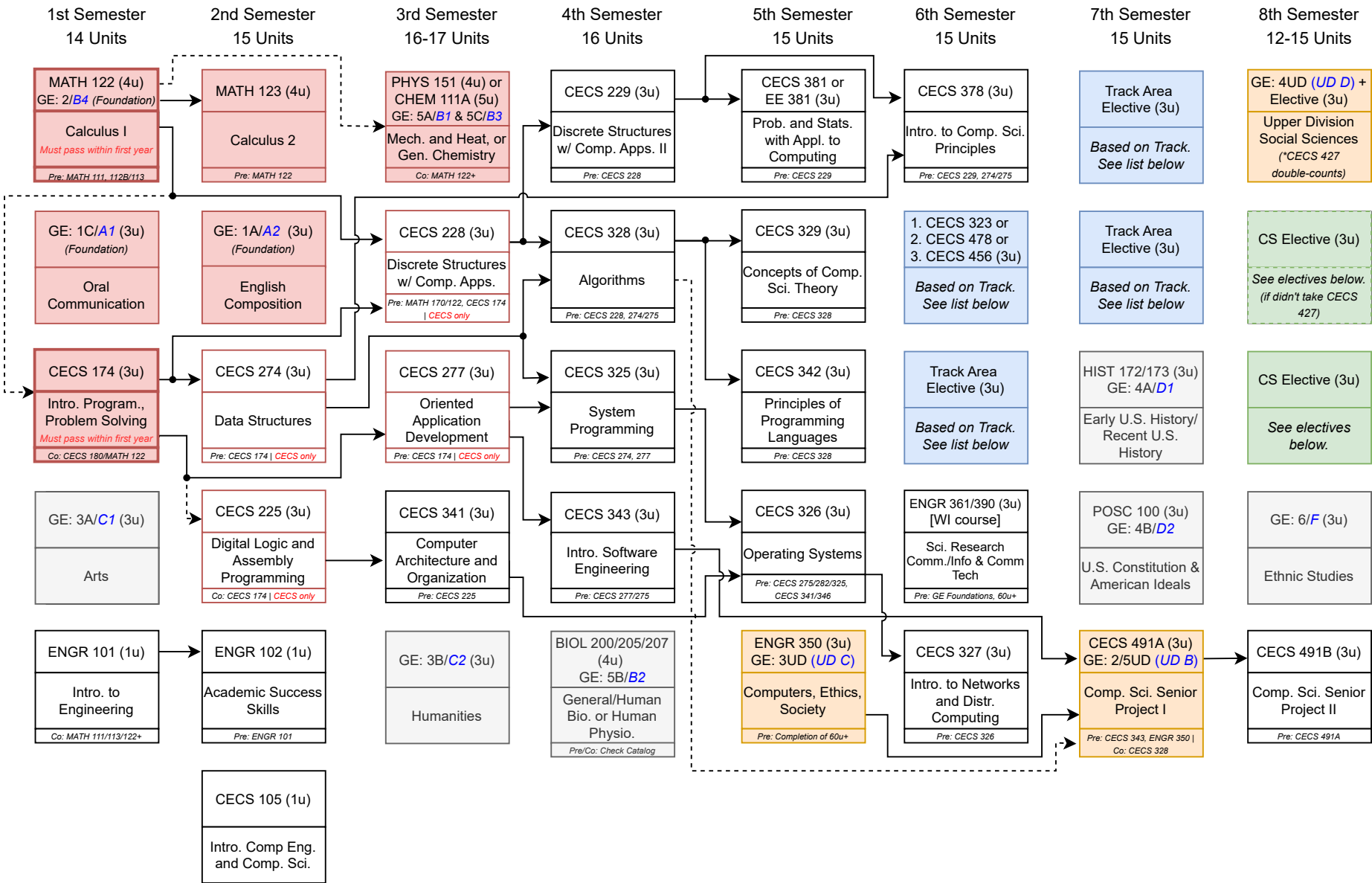




This sheet is **UNOFFICIAL** and subject to change without notice. Your requirements may differ from these. For your exact requirements, consult your Academic Requirements Report.
This sample flowchart shows the order courses are recommended to be completed for a Four Year Plan - 118-122 Units Required.



Legend:
u = units
MSDR
Major and UD GE Double-Count
CS Elective
Track Elective
Prerequisite
Corequisite

Contact Information
CECS Office: ECS 552 | Phone: (562) 985-2910

| | | | |
|--|--|---|---|
| Pre-Major Advisor: Stacey Argueta Office: EN2-304A Email: StaceyArgueta@csulb.edu | Faculty Advisor (A-G): Dr. Wenlu Zhang Office: EN2-104 Email: Wenlu.Zhang@csulb.edu | Faculty Advisor (H-O): Dr. Susan Nachawati Office: VEC-219E Email: Susan.Nachawati@csulb.edu | Faculty Advisor (P-Z): Dr. Amir Ghasemkhani Office: ECS-531 Email: Amir.Ghasemkhani@csulb.edu |
|--|--|---|---|

To Fully Declare in COE:
Complete **MATH 122**, **123**, **CECS 174**, **PHYS 151** or **CHEM 111A**, **GE 1A & 1C** with **≥ 2.5 GPA** before 60u.

To Continue in COE:
Once declared, maintain **≥ 2.0 GPA** and make satisfactory degree progress.

TRACK ELECTIVES (12u)
Select 12u from one of the following three options:

| | | |
|---|---|---|
| Track 1: Software Dev. CECS 323*, 443, 448, 453, 456, 457, 474, 479, IS 360 | Track 2: Cybersecurity CECS 478*, 303, 456, 457, 474, 479, IS 360 | Track 3: Mach. Learning/AI CECS 456*, 427, 429, 450, 451, 457, 458, 461, 470, 474, 475, 478, 479, 480, 495, 497, MATH 323 |
|---|---|---|

*Required for Track. Track and CS electives cannot double-count.

CS ELECTIVES (6u):
CECS 303, 323, 406, 419, 427, 428, 429, 443, 444, 448, 449, 450, 451, 453, 455, 456, 457, 458, 461, 470, 474, 475, 478, 479, 480, 495, 497, MATH 323

2025-2026 (only) GE Pattern Worksheet: Computer Science

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/CHEM 111A | | Major |
| 5B/ B2) Biological Science – 3 units | BIOL 200/205/207 | | Major |
| 5C/ B3) Laboratory – 1 unit | PHYS 151/CHEM 111A | | 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 | CECS 491A | | Major |
| 3 UD/ UD C : Arts or Humanities – 3 units | ENGR 350 | | Major |
| 4 UD/ UD D : Social and Behavioral Sciences – 3 units* | | | CECS 427 (Optional Elective) |
| Graduation Writing Assessment Requirement (GWAR) – 3 units required | | | |
| Writing Intensive (WI) Course – 3 units | ENGR 361/ENGR 391 | | Major |

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