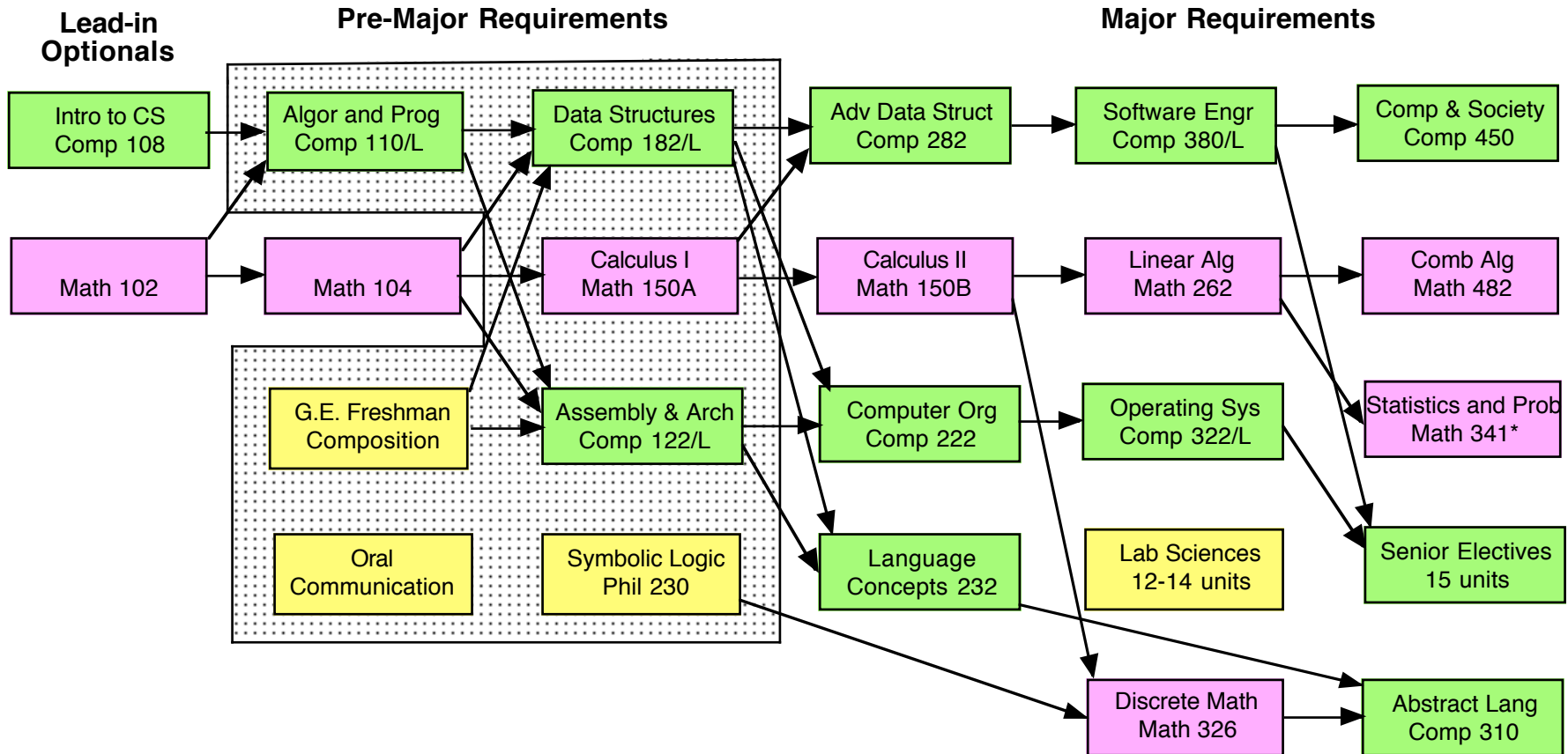


CSUN COMPUTER SCIENCE MAJOR INFORMATION

2007-08 Catalog Requirements

(with revised prerequisites for Comp 310, 322/L and 380/L)



Placement in courses leading to the pre-major requirements is dependent on SAT/ACT, ELM and MPT scores. Consult with an academic advisor for proper placement.

*effective Fall 2008, MATH 340 is no longer allowed as an alternative to MATH 341

Computer Science B.S. degree (120 units)

The required units are divided into:

| | |
|--|-------------|
| Computer Science Core | |
| Lower Division | 19 units |
| Upper Division | 13 units |
| Mathematics | 22 units |
| Symbolic Logic | 3 units |
| Lab Science | 12-14 units |
| Senior Electives in Computer Science | 15 units |
| General Education/U.S. History/Government. | 30 units |
| Free Elective Units | 4-6 units |

Lab Science Requirements (12-14 units)

Select one of the following **two semester lab science course sequences** 8-10 units

- Physics 220A, 220AL, 220B, 220BL
- Chemistry 101, 101L, 102, 102L
- Biology 106, 106L, 107, 107L

Select an additional **third lab science course** from a field of study different

from the one selected above 4-5 units

- | | |
|--------------------------|------------------------|
| Biology 106, 106L | Geology 101, 102 (lab) |
| Chemistry 101, 101L | Geology 110, 112 (lab) |
| Geography 101, 102 (lab) | Physics 220A, 220AL |
| Geography 103, 105 (lab) | |

Senior Electives in Computer Science (15 units)

Areas of emphasis:

| | |
|--------------------------------|------------------------------------|
| Artificial Intelligence | Human/Computer Interface |
| Computer Graphics/Multimedia | Information System Design |
| Computer Networks and Security | Object Oriented Programming/Design |
| E-Commerce | Operating Systems |
| Embedded Applications | Software Engineering |

Computer Science majors are required to take 15 units of senior electives. A student may wish to discuss their career goals with an advisor prior to selecting their senior electives. The advisor will suggest appropriate sequences of courses for the student to select from. All 400 and 500 level COMP courses (with the exception of 450, 494 and 499) and MATH 481A are pre-approved for inclusion as Senior Electives. Requests for inclusion of a 400 or 500 level course as a senior elective that does not meet the requirements stated above must be approved by the student's advisor and the Department Chair prior to enrollment in the course.

See reverse side for additional information

rev 1/23/08

A First Year Sequence for Freshmen Needing Developmental Courses (These courses would be taken prior to starting the four year plan appearing on the other side. Check with your academic advisor regarding the proper course sequence.)

Semester 1:

- Developmental Math or Math 102
- Developmental English
- G.E. course
- G.E. course

Semester 2:

- Developmental Math or Math 102 or 104
- Developmental English or Freshman Comp. (G.E.)
- G.E. course
- G.E. course

Grade Requirements for Undergraduate Courses in the Major (Current catalog year course prerequisite requirements apply to all major course work not yet completed; major degree requirements are determined by the catalog year of the major; always apply the higher of the two standards.)

A. Transfer courses

"C" or better for all transfer courses

B. Courses taken at CSUN - rules depend on the academic year of the University Catalog of your major [1989-1996 means from August 1989 through July 1996]; consult with the Dept Office if your catalog year is not listed; although every attempt has been made to accurately represent the following information, your responsibility is to follow the rules that appear in the appropriate University Catalog for the year for your major and in your DPR report.

- 1989-1996 Catalog years:** "C-" or better in all prerequisite courses required by the major ("C" or better in MATH 150A) and "D-" or better in all non-prerequisite courses required by the major except for Concentrated Studies Package courses where "C-" or better is required
- 1996-2000 Catalog years:** "C-" or better in all prerequisite courses required by the major ("C" or better in prerequisite math courses) and "D-" or better in all non-prerequisite courses required by the major except for Concentrated Studies Package courses where "C-" or better is required
- 2000-2002 Catalog years:** "C-" or better in all courses required by the major ("C" or better in prerequisite math courses)
- 2002-2003 Catalog year:** "C-" or better in all courses required by the major ("C" or better in prerequisite math courses); 2.0 overall GPA in for the eight courses required by the pre-major (the G.E. A.1 and A.4 courses are part of the pre-major but not part of the major)
- 2003-2006 Catalog years:** "C" or better in each of the eight courses required by the pre-major (this includes the G.E. A.1 and A.4 courses) and "C-" or better in all remaining courses required by the major ("C" or better in prerequisite math courses)
- 2006-2008 Catalog years:** Same grade requirements as 2003-2006 but major is reduced to 120 units when combined with G.E. Plan R and pre-major consists of seven courses

C. Overall GPA requirements (both to stay in good academic standing and to graduate)

- 2.0 or higher overall GPA for all courses taken at CSUN
- 2.0 or higher overall GPA for all courses taken (combination of both CSUN and transfer work)
- 2.0 or higher overall GPA for all upper division courses required by the major