

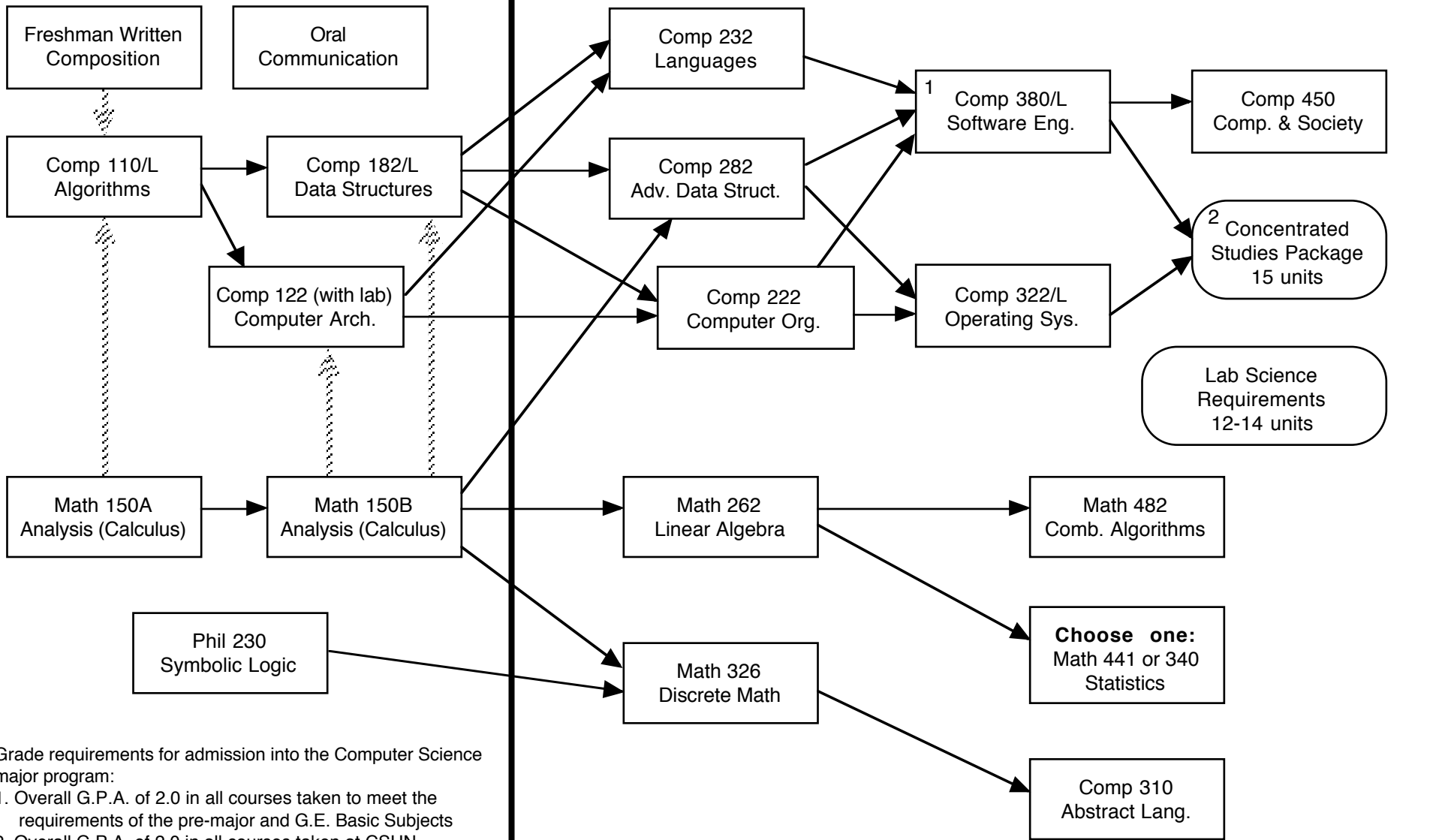
CSUN COMPUTER SCIENCE B.S. DEGREE INFORMATION

2002-2004 Catalog (123 Unit Major)

Pre-Major Requirements

Major Requirements

(all pre-major requirements must be completed prior to entry into the major)



Grade requirements for admission into the Computer Science major program:

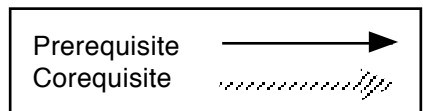
1. Overall G.P.A. of 2.0 in all courses taken to meet the requirements of the pre-major and G.E. Basic Subjects
2. Overall G.P.A. of 2.0 in all courses taken at CSUN
3. Grade of "C" or better in MATH 150A
4. Grade of "C" or better in each of the eight classes (starting with the 2003-2004 Catalog year)

See reverse side for additional information

Notes:

1. Comp 380/L has prerequisites of either Comp 222 and 282, or Comp 232 and 282
2. Concentrated Studies courses may require Comp 322/L and/or Comp 380/L plus other courses as prerequisites

rev 8/5/2003



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CSUN Computer Science Department

rev 8/5/2003

Computer Science B.S. degree (123-125 units)

These 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
Concentrated Studies Package	15 units
General Education/U.S. History/Government	39 units

With the exception of G.E./U.S. History/Government requirements, CSUN grades of "C-" or better are required in all course work taken to meet the above requirements. No grade lower than a "C" will be accepted on transfer requests to satisfy required courses. Starting with 2003-04 Catalog, "C" or better is required in G.E. A.1 and A.4, COMP 110/L, COMP 122/L, COMP 182/L, MATH 150A, MATH 150B and PHIL 230.

Concentrated Studies Packages (15 units)

Areas of emphasis:

Artificial Intelligence	Language Foundations
Automation Engineering	Object Oriented Programming/Design
Computer Graphics	Operating Systems
Computer Networks	Parallel and Distributed Processes
Human/Computer Interface	Software Engineering
Information System Design	

Prior approval by an advisor is strongly encouraged before starting the courses within a package. All 400 and 500 level COMP courses (with the exception of 450, 494 and 499) and MATH 481A are pre-approved for inclusion in a Concentrated Studies Package. Requests for inclusion of an upper division course within a Concentrated Studies Package 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.

A Possible Starting Sequence for Those Needing Developmental Courses ==>>>

Year 0 Semester 1:	Semester 2:
Developmental Math	Developmental Math
Developmental English	Developmental English or
G.E. Section C, D or F	Freshman Comp. (G.E.)
G.E. Section C, D or F or	G.E. Section C, D or F
U.S. History	G.E. Section C, D or F

(Lessen the remaining semester loads by the number of G.E. courses taken here.)

A Four-Year Sequence for Degree Completion (15-19 units per semester)

Year 1 Semester 1:	Semester 2:
MATH 105 (if required)	MATH 150A
COMP 108 (optional)	COMP 110/L
G.E. Section C, D or F	PHIL 230
U.S. History	U.S. Government
Freshman Comp. (G.E. Sec. A.1)	Oral Com. (G.E. Sec. A.4)
Year 2 Semester 1:	Semester 2: <---- Apply to change
MATH 150B	MATH 262 from pre-major to
COMP 122	COMP 222 major after start
COMP 182/L	COMP 232 of semester
Lab Science Course 1	COMP 282
Literature (G.E. Sec. C.1)	Lab Science Course 2
Year 3 Semester 1:	Semester 2:
MATH 326	MATH 441 or 340
COMP 322/L	COMP 310
COMP 380/L	Conc. Studies Course 1
Lab Science Course 3	G.E. Section C, D or F
G.E. Section C, D or F	Upper Div. G.E. Section C, D or F
Year 4 Semester 1:	Semester 2:
MATH 482	COMP 450
Conc. Studies Course 2	Conc. Studies Course 4
Conc. Studies Course 3	Conc. Studies Course 5
G.E. Section C, D or F	G.E. Section C, D or F
Upper Div. G.E. Section C, D or F	Upper Div. G.E. Section C, D or F

Lab Science Requirements (12-14 units)

Select one of the following science sequences 8-10 units

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

Select an additional science course with lab from a field of study different from the one selected above 4-5 units

*Note: students who elect BIOL 106/L, 107/L from above should select CHEM 101 in this section since CHEM 101 is a corequisite to BIOL 106/L.

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)	