

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Department of Computer Science and Engineering
Bachelor of Science in Computer Science with Specialization in Bioinformatics (152 units)
(Curriculum Effective Fall 2001) Form Revised Fall 2005
Major Requirements

Name: ID NO.:

Date: Estimated Quarter of Graduation:

College: Email Address:

Current Home Address:

Phone number:

Instructions: Use this form to track your major courses and your progress.

To check your progress with a CSE Advisor, bring this form and a copy of your grades from TritonLink@ucsd.edu to the CSE Student Affairs Office in room 1200D, CSE 3402 Building (EBU3B).

Lower-Division Requirements (17 courses = 64 units)

- Math 20A, Math 20B, Math 20C, Math 20F, Physics 2A, Physics 2B, Physics 2C, BILD 1, BILD 2, BILD 94 (1 unit), CSE 8B or CSE 11, CSE 12, CSE 21 or Math 15B, Chem 6A, Chem 6B, Chem 6C, Chem 6BL (3 units)

Upper-Division Requirements (22 courses = 88 units)

- CSE 100 or Math 176, CSE 101 or Math 188, Chem 140A, Chem 140B, BIBC 102 or Chem 114B, BIBC 103, BICD 100, BIMM 100 or Chem 114D, BIMM 101 or Chem 112B, BICD 110, BIBC 110 or Chem 127, CSE 181, CSE 182, BENG 183, CSE 184, BIMM 185, Math 186, CSE Elective, CSE Elective, CSE Elective, CSE Elective, CSE Elective

Comments:

CSE Electives: Select at least one course from each of the three groups for a total of five electives:
Group I: CSE 30, 111, 131A, 131B, 134A or 135
Group II: CSE 105, 150, 151, MATH 184A
Group III: CSE 132A, 132B, 133

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 Four-Year Plan

YEAR	FALL	WINTER	SPRING
Freshman	CSE 8A & CSE 8AL or CSE 11 Math 20A Chem 6A Gen Ed.	CSE 12* Math 20B Chem 6B BILD 1 Gen Ed.	BILD 94 Math 20C Chem 6C Chem 6BL Gen Ed.
Sophomore	CSE 21 or Math 15B BILD 2 Phys 2A Gen Ed.	Math 20F Phys 2B Chem 140A Gen Ed.	Chem 140B BIBC 103 Phys 2C Gen Ed.
Junior	CSE 100 or Math 176 BICD 100 BIBC 102 or Chem 114B BIMM 100 or Chem 114D	CSE 101 or Math 188 Math 186 Gen Ed. Gen Ed.	CSE 181 BIMM 101 or Chem 112B BICD 110 BIBC 110 or Chem 127
Senior	Chem 182 BENG 183 CSE Tech Elect Gen Ed.	CSE 184 CSE Tech Elect CSE Tech Elect Gen Ed.	BIMM 185 CSE Tech Elect CSE Tech Elect Gen Ed.

SELECTING AND SCHEDULING COURSES

These schedules are designed for students with no advanced placement credit. It is imperative that each student draw up a suitable schedule based on her/his specific circumstances. To plan your schedule, consult the Schedule of Current Course Offerings found at <http://www-cse.ucsd.edu/undergrad/courses/currentcourses/currentcourses.html>. In addition, all courses for the major must be taken for a letter grade.

1. CSE 11 is a faster paced version of CSE 8A, CSE 8AL and CSE 8B. CSE 8B or CSE 11 must be taken before CSE 12.* Students may self-select which course they wish to take. Students without experience in programming in a compiled language are advised to take CSE 8A & CSE 8AL, and then CSE 8B, instead of CSE 11.
2. CSE 20 prerequisite will be waived for CSE 21.
3. CSE 30 prerequisite will be waived for CSE 100.
4. BILD 94 is recommended in your first spring quarter of study at UCSD. This course gives an overview of issues and topics in Bioinformatics.
5. New Courses for the Bioinformatics Program: (CSE 181 is cross-listed with BIMM 181 and BENG 181), (CSE 182 is cross-listed with BIMM 182, BENG 182 and Chem. 184), and (CSE 184 is cross-listed with BIMM 184 and BENG 184). BENG 183, BIMM 185, and Math 186 are also new courses, but they are not cross-listed with any other courses.

Upper Division Technical Electives:

6. Students must complete 5 CSE technical electives from the approved groups. Select at least one course from each of the three groups for a total of five electives:

Group I: CSE 30, 111, 131A, 131B, or 134A/135
 Group II: CSE 105, 150, 151, or MATH 184A
 Group III: CSE 132A, 132B, or 133