CHEMISTRY DEGREE REQUIREMENTS

BASIC REQUIREMENTS

Math:
2A_____2B_____2D_____

Physics:
7C_____D_____E____; 7LC_____LD_____

Chemistry:
1A/H2A__B__C___
M2LA/H2LA__LB__LC___
5_____51A/H52A____B____C____
M/H52LA__LB__LC___OR
51LA__LB__LC___
107____107L____
131A__B__C__ OR 130A__B__C___
151____151L____

Electives (5 Courses; at least 3 of the courses must be offered by the Chemistry department, including at least 1 Chemistry lecture course and 1 Chemistry lab course.)

At least two lecture courses chosen from the Lecture list:

Bio Sci 98, 99
Chemistry 125, 127, 128, 135, 137, 138, 177,
any from 201-205, any from 213-249,
262, 271, 272,
ESS 122, 142, 144
Engineering CBEMS 110, 112, 120A, 120B, 130, 135, 145 CEE162
Physics 111A, 111B, 112A, 111B

At least two laboratory courses chosen from the Lab list:

Bio Sci M114L, M116L
Chemistry 128L, 152, 153, 156, 160, 170, 177L, 180, (may be counted once)
Engineering CBEMS 140A, 140B
Physics 120, 121

1. __________________ (chem lecture)
2. __________________ (chem lab)
3. __________________ (any chem elective)
4. __________________ (any elective)
5. __________________ (any elective)

Optional Concentration in Biochemistry (May be used to fulfill the lecture and lab electives, where overlap exists.)

Required courses:

Bio Sci 97___98___99___
Chemistry 128___128L___

Three electives chosen from the following:

Bio Sci
D103___D104___D111L___D137___D147___D151___
D153___D154___M114___M114L___M116___
M116L___M121___M121L___M122___M122L___
M123___M124A___M124B___M124L___M125___
M128___M133___M137___M144___
M160___N110___
Pharm Sci M170A___M170B___

Optional Concentration in Chemistry Education

Education 55 _____
Physical Sciences 5 ____105 ____
Chemistry 193 _____

Second Teaching Certification Option:
In addition to this Concentration, students can earn a California Single Subject Teaching Credential by completing all of these additional classes:

Logic and Philosophy of Science 60
Education 109, 143A, 143B, 148,
and two quarters of Education 158.
(Education 143A and 143B plus 148 count as two electives from the elective list.)

Optional American Chemical Society Certification

Bio Sci 98 OR Chemistry 128
Two labs chosen from the following**
Chemistry 128L, 152, 153, 156, 160, 180, H180

**These courses may not overlap with the upper-division laboratory elective requirement. A maximum of one quarter of Chem 180 may be used. All courses must be taken for a letter grade.

At least one of these three must be a lecture.
At least one of these three must be a lab.