

CHEMISTRY DEGREE REQUIREMENTS

BASIC REQUIREMENTS

- Math 2A Math 2B Math 2D
- Physics 7C-7D-7E-7LC-7LD
- Chem M2A/H2A-M2B/H2B-M2C/H2C
- Chem M2LA/H2LA-M2LB/H2LB Chem M3LC
- Chem 5
- Chem 51A/H52A-51B/H52B-51C/H52C
- Chem M/H52LA-M/H52LB-M/H52LC
- Chem 107 Chem 107L
- Chem 132A-132B-132C
- Chem 152

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, 133, 137, 138, 141, 145A, 145B, 150, 177, any from 201-205, 213-245B, 246, 248-250, 263, 267, 268
ESS	142, 144
Engineering	CBE 110, 130, 145, 161, 178, 181
Physics	111A, 111B, 112A, 112B

At least **two** laboratory courses chosen from the Lab list:

Bio Sci	M114L, M116L, M118L
Chemistry	128L, 133L, 150L, 153, 156, 160, 170, 177L, 180, 197, 250L (180/H180 may be counted only once)
Engineering	CBE 140A
Physics	120, 121W

- _____ (chem lecture)
- _____ (chem lab)
- _____ (any chem elective)
- _____ (any elective)
- _____ (any elective)

Concentration courses may be used to fulfill the lecture and lab electives, where overlap exists.

Optional Concentration in Chemical Biology

- Bio Sci 97 Bio Sci 98 Bio Sci 99
- Chem 128 Chem 128L

Optional Specialization in Medicinal Chemistry

- Chem 128 Chem 128L Chem 160
- Chem 177 Chem 177L

Optional Specialization in Nuclear and Radiochemistry

- Chem 133 Chem 133L Chem 153 CBE 178

Optional Specialization in Synthetic Chemistry

- Chem 125 Chem 127 Chem 156 Chem 160

Optional Specialization in Environmental Chemistry

- ESS 144 Chem 141 Chem 153
- Chem 145A **OR** ESS 142

Optional Concentration in Chemistry Education

- Educ 55 Phy Sci 5 Phy Sci 105 Chem 193

Secondary Teaching Certification Option:

In addition to the Concentration requirements, students can earn a California Single Subject Teaching Credential by completing **all of these additional classes**:

- LPS 60
- Educ 109 Educ 143AW Educ 143BW Educ 148
- Educ 158 Educ 158 (two quarters required)
- ** Education 143A and 143B plus 148 count as three electives from the elective list. **

Optional Concentration in Theoretical and Computational Chemistry

- Math 3A Math 3D
- Chem 150 Chem 150L
- Physics 50

Select at least nine courses from the courses below, at least one must be taken from each list, or the chemistry major electives list.

One from List #1:

Physics 111A, 111B, 112A, 112B, 113A, 113B, 113C, 115A, 125A, 125B

One from List #2:

Math 105A-LA, 105B-LB
Stats 7, 110, 111, 112

One from List #3:

EECS 12, 20, 22, 22L

** Chem 5, 107L, 152, and all electives under the regular Chemistry Major are not required and are optional for this concentration. **

Optional American Chemical Society Certification

- Chem 128 Chem 128L

Select 3 courses; at least one from each list:

- List #1: Chem 153, 156, 160, 180, H180
- List #2: Chem 125, 127, 133 & 133L, 138, 141, 150 & 150L, 177 & 177L, 201-205, 213-249
- Additional course from List #1 or #2
(If Chem 133 or 150 or 177, then the lecture & lab must both be taken to satisfy one of the elective requirements)
- Chem 180W or H181W

UCI SCHOOL OF PHYSICAL SCIENCES
UNIVERSITY / GENERAL EDUCATION REQUIREMENTS

NAME _____ STUDENT ID _____

Other Colleges _____

UNIVERSITY REQUIREMENTS:

English (UC ELW) _____ American History _____ Institutions _____

RESIDENCY REQUIREMENTS:

36 of the final 45 units must be completed at UCI _____

UNIT REQUIREMENT: 180 units are required for graduation _____

GPA REQUIREMENT AND STANDING:

Overall GPA of 2.0 _____ GPA in major at least a 2.0 _____

GPA in upper-division major classes at least a 2.0 _____

TRANSFER STUDENTS:

Partial IGETC _____

Full IGETC _____

cert received? yes _____ no _____

General Education (GE) Requirements	Fall	Winter	Spring
I. Writing (2 lower-division, 1 upper-division) <input type="checkbox"/>	Freshman		
1.	Chem M2A, M2LA (or H2A, H2LA)	Chem M2B, M2LB (or H2B, H2LB)	Chem M2C (or H2C)
2.	Mathematics 2A	Mathematics 2B	Mathematics 2D
3.	GEN ED (Writing)	GEN ED	GEN ED
II. Science & Technology (any 3) <input type="checkbox"/>			
1.	Sophomore		
2.	Chem 51A, M52LA	Chem 51B, M52LB	Chem 51C, M52LC
3.	Phys 2 or GEN ED	Phys 7C/LC	Phys 7D/7LD
III. Social & Behavioral Sciences (any 3) <input type="checkbox"/>	Chem 5	GEN ED	GEN ED
1.	GEN ED	GEN ED	GEN ED
2.	Junior		
3.	Chem 132A	Chem 132B	Chem 132C
IV. Arts & Humanities (any 3) <input type="checkbox"/>	Physics 7E	Chem 152	Chem 107L
1.	Chem 107	GEN ED	GE/Chem Elective
2.	Senior		
3.	Chem Elective	Chem Elective	Chem Elective
V. Quantitative, Symbolic and Computational Reasoning <input type="checkbox"/>	GEN ED	GEN ED	GEN ED
Va.	GEN ED	GEN ED	GEN ED
Vb.			
Va or Vb.			
VI. Language Other than English <input type="checkbox"/>			
1C or equivalent			
VII. Multicultural Studies (one course) <input type="checkbox"/>			
VIII. International/Global Issues (one course) <input type="checkbox"/>			

(sample program, your schedule may differ greatly)

Chemistry Department:

<http://www.chem.uci.edu/undergrad/>

For enrollment questions:

<http://chem.ps.uci.edu/~upo/>

Chemistry tutoring:

<http://www.chem.uci.edu/undergrad/tutors>

How to find research:

<http://ps.uci.edu/stuaff/opportunities/research>

Course offerings:

<http://chem.ps.uci.edu/~upo>

(see "General and Organic Chemistry Course Schedule")