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, M114, M116, M123
Chemistry	100, 125, 127, 128, 133, 137, 138, 141, 145A, 145B, 150, 177
ESS	142, 144, 171
Engineering	CBE 110, 130, 145, 161, 181, 183 CEE 162, MAE 114, MAE 164, MSE 141, MSE 164
Pharm Sci	170A, 170B, 171
Physics	111A, 111B, 112A, 112B
Pub Health	171

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

Bio Sci	M114L, M116L, M118L
Chemistry	128L, 133L, 150L, 153, 156, 160, 177L, 180, 197, (180/H180 may be counted only once)
ESS	114
Engineering	CBE 140A, 140B

☐ _____ (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 and Quantum Science

☐ 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
I. Writing (2 lower-division, 1 upper-division) ☐
1.
2.
3.
II. Science & Technology (any 3) ☐
1.
2.
3.
III. Social & Behavioral Sciences (any 3) ☐
1.
2.
3.
IV. Arts & Humanities (any 3) ☐
1.
2.
3.
V. Quantitative, Symbolic and Computational Reasoning ☐
Va.
Vb.
Va *or* Vb.
VI. Language Other than English ☐ 1C or equivalent
VII. Multicultural Studies (one course) ☐
VIII. International/Global Issues (one course) ☐

Fall	Winter	Spring
Freshman		
Chem M2A, M2LA (or H2A, H2LA)	Chem M2B, M2LB (or H2B, H2LB)	Chem M2C (or H2C)
Mathematics 2A	Mathematics 2B	Chem M3LC
GEN ED (Writing)	GEN ED	Mathematics 2D
Chem 11		GEN ED
Sophomore		
Chem 51A, M52LA	Chem 51B, M52LB	Chem 51C, M52LC
Phys 2 or GEN ED	Phys 7C/LC	Phys 7D/7LD
Chem 5	GEN ED	GEN ED
GEN ED	GEN ED	GEN ED
Junior		
Chem 132A	Chem 132B	Chem 132C
Physics 7E	Chem 152	Chem 107L
Chem 107	GEN ED	GE/Chem Elective
Senior		
Chem Elective	Chem Elective	Chem Elective
GEN ED	GEN ED	GEN ED
GEN ED	GEN ED	GEN ED

(sample program, your schedule may differ greatly)

Chemistry Department:
http://www.chem.uci.edu/undergrad/
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://www.chem.uci.edu/Course-Offerings