CHEMISTRY DEGREE REQUIREMENTS

BASIC REQUI	<u>IREMENTS</u>	Optional Specialization in Nuclear and Radiochemistry
☐ Math 2A	□ Math 2B □ Math 2D	\square Chem 133 \square Chem 133L \square Chem 153 \square CBE 178
□ Physics 7C-7	D-7E-7LC-7LD	Optional Specialization in Synthetic Chemistry
☐ Chem M2A/H2A-M2B/H2B-M2C/H2C		□ Chem 125 □ Chem 127 □ Chem 156 □ Chem 160
☐ Chem M2LA	/H2LA-M2LB/H2LB □ Chem M3LC	
□ Chem 5		Optional Specialization in Environmental Chemistry □ ESS 144 □ Chem 141 □ Chem 153
□ Chem 51A/H	I52A-51B/H52B-51C/H52C	☐ Chem 145A OR ESS 142
□ Chem M/H52	2LA-M/H52LB-M/H52LC	LI CHEIII 143A OK ESS 142
□ Chem 107 □ Chem 107L		Optional Concentration in Chemistry Education
□ Chem 132A-	132B-132C	☐ Educ 55 ☐ Phy Sci 5 ☐ Phy Sci 105 ☐ Chem 193
□ Chem 152		Secondary Teaching Certification Option:
Chemistry depart	urses; at least 3 of the courses must be offered by the rtment, including at least ture course and 1 Chemistry lab course.)	In addition to the Concentration requirements, students can earn a California Single Subject Teaching Credential by completing all of these additional classes :
At loggt two loot	and connect the Lecture list.	□ LPS 60
Bio Sci	ure courses chosen from the <u>Lecture list</u> : 98, 99, M114, M116, M123	☐ Educ 109 ☐ Educ 143AW ☐ Educ 143BW ☐ Educ 148
Chemistry	100, 125, 127, 128, 133, 137, 138, 141, 145A, 145B, 150, 177 142, 144, 171	☐ Educ 158 ☐ Educ 158 (two quarters required) ** Education 143A and 143B plus 148 count as three electives from the elective list. **
Engineering	CBE 110, 130, 145, 161, 181, 183 CEE 162, MAE 114, MAE 164, MSE 141, MSE 164	Optional Concentration in Theoretical and Computational Chemistry and Quantum Science
Pharm Sci Physics	170A, 170B, 171 111A, 111B, 112A, 112B	□ Math 3A □ Math 3D
Pub Health	171	□ Chem 150 □ Chem 150L
At least two laboratory courses chosen from the <u>Lab list</u> :		□ Physics 50
Bio Sci Chemistry	M114L, M116L, M118L 128L, 133L, 150L, 153, 156, 160, 177L, 180, 197, (180/H180 may be counted only once)	Select at least nine courses from the courses below, at least one mus be taken from each list, or the chemistry major electives list.
ESS Engineering	114 CBE 140A, 140B	□ <u>One from List #1:</u> Physics 111A, 111B, 112A, 112B, 113A, 113B, 113C, 115A, 125A, 125B
	(aham laatura)	☐ <u>One from List #2:</u>
	(chem lecture)(chem lab)	Math 105A-LA, 105B-LB Stats 7, 110, 111, 112
		□ <u>One</u> from List #3:
		EECS 12, 20, 22, 22L
	(any elective) (any elective)	** Chem 5, 107L, 152, and all electives under the regular Chemistry
		Major are not required and are optional for this concentration. **
Concentration courses may be used to fulfill the lecture and lab electives, where overlap exists.		Optional American Chemical Society Certification
Optional Concentration in Chemical Biology		☐ Chem 128 ☐ Chem 128L Select 3 courses; at least one from each list:
□ Bio Sci 97 □ Bio Sci 98 □ Bio Sci 99		□ List #1: Chem 153, 156, 160, 180, H180
□ Chem 128 □		□ List #2: Chem 125, 127, 133 & 133L, 138, 141, 150 & 150L, 177
	alization in Medicinal Chemistry	& 177L, 201-205, 213-249 Additional course from List #1 or #2
☐ Chem 128 ☐ ☐ Chem 177 ☐	l Chem 128L □ Chem 160 l Chem 177L	(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	TRANSFER STUDENTS:
UNIT REQUIREMENT: 180 units are required for graduation	Partial IGETC
GPA REQUIREMENT AND STANDING: Overall GPA of 2.0 GPA in major at least a 2.0	Full IGETC cert received? yes no
GPA in upper-division major classes at least a 2.0	

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. Arts & Humanities (any 5)			
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	Chem M2B, M2LB	Chem M2C (or H2C)
(or H2A, H2LA)	(or H2B, H2LB)	Chem M3LC
Mathematics 2A	Mathematics 2B	Mathematics 2D
GEN ED (Writing)	GEN ED	GEN ED
Chem 11		
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
<u>Junior</u>		
Chem 132A	Chem 132B	Chem 132C
Physics 7E	Chem 152	Chem 107L
Chem 107	GEN ED	GE/Chem Elective
<u>Senior</u>		
Chem Elective	Chem Elective	Chem Elective
GEN ED	GEN ED	GEN ED
GEN ED	GEN ED	GEN ED
		11.00

(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