CHEMISTRY DEGREE REQUIREMENTS

BASIC REQUIREMENTS

- □ Math 2A  □ Math 2B  □ Math 2D
- □ Physics 7C-7D-7E-7LC-7LD
- □ 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, 138, 141, 145A, 145B
  - 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 Specialization in Chemical Biology
- □ 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  □ Approved Elective

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

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:
  - ✔ Chem 180W or H181W

 feasible value for list:

- 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

Effective Fall 2024
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 _____

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(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/staff/opportunities/research

Course offerings:
http://www.chem.uci.edu/Course-Offerings

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**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) 

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**TRANSFER STUDENTS:**
Partial IGETC_____
Full IGETC_____
cert received? yes____ no ____