

**Proposed Sample Program for UCI Chemistry Major with Interests in  
Theoretical and/or Computational Chemistry\*<sup>@</sup>**

Items in parentheses are recommended choices or alternatives.

<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
<b>Freshman</b> Chem. 1A, M2LA (H2A, H2LA) Math 2A Gen. Ed.	Chem 1B, M2LB (H2B, H2LB) Math 2B Gen. Ed.	Chem M3C, M3LC (H2C, H2LC) Math 2D Gen. Ed.
<b>Sophomore</b> Chem 51A, M52LA (H52A, H52LA) Chem 5 Physics 2 Math 2E	Chem 51B, M52LB (H52B, H52LB) Physics 7C, 7LC Math 3A Gen. Ed./Elective	Chem 51C, M52LC (H52C, H52LC) Physics 7D, 7LD Math 3D Gen. Ed./Elective
<b>Junior</b> Chem 131A Physics 7E Chem 107 Gen. Ed./Elective	Chem 131B Physics 51A Chem 107L (W or S) Gen. Ed./Elective	Chem 131C Physics 50 Physics 51B Chem 107L
<b>Senior</b> Physics 111A Gen. Ed./Elective Chem 180 (or ICS 31)	Physics 111B Physics 112A Gen. Ed./Elective Chem 180 (or ICS 32)	Physics 113A Physics 112B Chem 137 or 138 Chem 180 (or Elective)

\* For ACS Certification, the program must include Chemistry 128 or Biological Sciences 98; and two additional laboratory courses from the following list: Chemistry 128L, 152, 153, 156, 160, 180, or H180. These courses may not overlap with the upper-division laboratory elective requirement. A maximum of one quarter of Chemistry 180 or H180 may be used. **All Courses must be taken for a letter grade.**

<sup>@</sup>ICS and upper division Physics courses may require approval of the respective Departments.

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