

Depth of Study Requirements

Biology & Chemistry

(THIS IS NOT THE SAME AS A SPECIAL FIELD. THIS IS FOR STUDENTS FOLLOWING THE ESM OPTION ONLY.)

Preparation for all Science Depth of Study Modules

All 15 lower-division units are required. Must be taken prior to UD courses. CHEM 150 & PHYS 205 (or 101) are taken instead of GES 100/101/105.

GES 102 (Life Science)	3 units
ES 100 (Earth Science) or GEOG 110 (Physical)	3 units
CHEM 150 (General Chemistry) & CHEM 150L	4 & 1 units
PHYS 101* or PHYS 205** (Physics)	
* (Prerequisite – HS or University level of Trigonometry)	4 units
** (Prerequisites – MATH 125 or Strong background in HS Mathematics AND MATH 160)	

Total Lower-Division Preparation: 15 units

Upper-Division Required Courses for the Biology & Chemistry Module

Choose One: BIOL 316, 321, 323, 325, 327, or 328.	3 units
Choose One: BIOL 336, 338, 339	3 units
Required: CHEM 311	3 units

Total Upper-Division: 9 units

Note on Transferring in Approved Equivalent Courses

See University Catalog for course descriptions and prerequisite information. **Approved** equivalents of lower-division courses may be completed at community colleges or other regionally accredited institutions. Go to www.assist.org to find equivalents to the lower-division courses at CA Community Colleges. Any courses not listed on Assist must be approved by faculty in the department offering the course. A maximum of seventy (70) semester units earned in a community college may be applied toward the degree.

Note on Upper-Division Units Required for Graduation:

Students need at least 40 upper-division units of coursework to graduate from CSUSM. Students are responsible for taking sufficient upper-division units to graduate. Because this depth of study module includes lower-division coursework, students **MUST** carefully choose other required courses and electives to insure 40 upper-division units are completed for graduation.

Note on pursuing a minor in a related discipline:

Depth of Study courses may be counted toward a minor, but the requirements are not identical. Additional coursework is required to complete the minor. See the current University Catalog for minor requirements. An official minor declaration must be submitted to Enrollment Services.

DECLARATION OF DEPTH OF STUDY FOR THE ESM OPTION ONLY:

Please fill out the online form at:

http://www.csusm.edu/liberalstudiesadvising/teaching_opts/depthofstudy/dosform.html or sign & date this declaration and return it to Advising in CRA 1300. (ICP : return to SOE)

Student Name: _____ **Student ID#** _____

- I am following the ESM option in the Liberal Studies major, and I declare **BIOLOGY & CHEMISTRY** as my Depth of Study. I agree to follow the course requirements listed.
- I understand that I must follow these course requirements even if I am pursuing a minor in a related field.

Student Signature _____ Date: _____

Advising Use Only (please date and initial):

Entered on database: _____ Entered on PS: _____ form revised 1/3/17tlr