

Science

LIBERAL STUDIES SPECIALIZATION in SCIENCE (AY 2010-2011)

Choosing a Specialization

Fill out a **Choice of Specialization** form and submit it to the Liberal Studies office; this will help the University add your specialization to your degree evaluation. When you apply for graduation, write the name of your specialization where the form asks for Emphasis. For help with choosing a specialization, consult the **Specialization Flowchart** or see an adviser.

Prerequisites:

Preparation for the major in science - SCI-1, SC I-2, SCI-3 (7 units)

Upper Division: 14 units required

1. Foundations and Inquiry:

Natural Science 412 Processes & Inquiry in the Physical Sciences (SCI-5 in major) (4)

2. Breadth and Current Issues: 3 units selected from:

Biology 315 Ecology and Human Impacts on the Environment (3)

Biology 319 Evolution and the Diversity of Life (3)

Biology 324 Life in the Sea (3)

Biology 327 Conservation of Wildlife (3)

NOTE: not every class in this area is offered every semester, so plan ahead and be flexible

3. Depth and Application: 3 units selected from:

Geology 303 Natural Disasters (3) – STRONGLY PREFERRED (*see below)

Astronomy 310 Astrobiology and the Search for Extraterrestrial Life (3)

Chemistry 300 Mysteries and Molecules (3)

Geology 301 Geology of Natural Parks and Monuments (3)

Oceanography 320 The Oceans (3)

Physics 301 Energy and the Environment (3)

4. Inquiry and Research on an Environmental Problem:

Geology 412 Processes and Inquiry in the Earth Sciences (4)

NEW Prerequisite: GEOL 303 (*see below)

***Prerequisite alert:** Because GEOL 303 is now a prerequisite for GEOL 412, students are strongly encouraged to take GEOL 303 for area 3 (Depth and Application). Students who have **already** taken a different class for area 3, however, will be allowed to enroll in GEOL 412 without the prerequisite, at least through the Fall 2011 semester. But, effective immediately, GEOL 412 will assume understanding of concepts covered in GEOL 303, so students without this knowledge will have a more difficult time in GEOL 412.

STUDY ABROAD POSSIBILITY!! Students interested in studying abroad may be able to work on this specialization in a study abroad program. Contact Karey Sabol <ksabol@mail.sdsu.edu> to discuss possibilities.