

**GENERAL EDUCATION NEW COURSE CERTIFICATION REQUEST**  
**• AREA B3: Life Science Lab Only Course**

*Complete your responses in the corresponding fields in the **GE B3 Lab ONLY Curriculog form***

(GE forms are listed under the “**Courses**” tab in Curriculog)

**Part A: B3 Life Science Lab Only Course General Education Learning Outcomes (GELOs) related to course content**

**Life Science w/ Lab GELOs this course will address:**

B3.1 Students will demonstrate that they can conduct experiments, make observations, or run simulations using protocols and methods common in the scientific discipline in which the course is offered.

B3.2 Students will be able to interpret the results of experiments, observations or simulations, understanding random and systematic errors associated with those activities, and making appropriate conclusions based on theories or models of the scientific discipline in which the course is offered.

**Part B: General Education Learning Outcomes required of all GE courses related to course content:  
GE Outcomes required of all Courses**

Students will communicate effectively in writing to various audiences. (writing)

Students will think critically and analytically about an issue, idea or problem. (critical thinking)

Students will find, evaluate and use information appropriate to the course and discipline. (Faculty are strongly encouraged to collaborate with their library faculty.)

**Part C: GE Programmatic Goals: *The GE program aligns with CSUSM specific and LEAP Goals. All B3 courses must meet at least one of the LEAP Goals.***

**GE Programmatic Goals**

LEAP 1: Knowledge of Human Cultures and the Physical and Natural World.

LEAP 2: Intellectual and Practical Skills

LEAP 3: Personal and Social Responsibility

LEAP 4: Integrative Learning

**CSUSM Specific Programmatic Goals**

CSUSM 1: Exposure to and critical thinking about issues of diversity.

CSUSM 2: Exposure to and critical thinking about the interrelatedness of peoples in local, national, and global contexts.

***Part D: Course requirements to be met by the instructor.***

**Course Requirements:**

Course meets the All-University Writing requirement: A minimum of 850 words of writing shall be required in 1 unit courses.

Courses in the life sciences will take as their primary focus such concepts found in traditional life science disciplines (e.g., levels of organization of living systems, from molecules to ecosystems, structures and functions of living organisms, principles of genetics, patterns and theories of evolution, interactions of organisms with each other and their environment).

Courses will require students to develop an understanding of the core information sources and the literature of the science disciplines.

Courses will require students to think critically so that they are able to distinguish scientific arguments from pseudo-scientific myths or opinions.