

Student Learning Goal 1: Biology majors will be competent with respect to knowledge.

Students will:

- Objective A: Evaluate energy transfer through biological systems;
- Objective B: Describe information transfer within cells and between generations;
- Objective C: Describe structure-function relationships;
- Objective D: Examine and evaluate hierarchical organization of biological systems.

Student Learning Goal 2: Biology majors will be competent with respect to problem-solving.

Students will:

- Objective A: Solve quantitative word problems;
- Objective B: Interpret data;
- Objective C: Design experiments to test original hypotheses;
- Objective D: Critically analyze articles from the original scientific literature.

Student Learning Goal 3: Biology majors will be competent with respect to technical skills.

Students will:

- Objective A: Effectively communicate scientific material in a written format;
- Objective B: Effectively communicate scientific material orally;
- Objective C: Draw graphs or design tables to accurately represent scientific information;
- Objective D: Utilize instrumentation and technology appropriate to their course of study;
- Objective E: Make correct identifications through observations.