

**Student Learning Goal 1: Majors will have a firm grasp of the basic concepts in environmental science.**

Students will:

Objective A: Describe energy or chemical movement through systems;

Objective B: Describe structure-function relationships;

Objective C: Describe hierarchical organization of systems;

Objective D: Describe separation theory.

**Student Learning Goal 2: Majors will solve environmentally-related problems.**

Students will:

Objective A: Read and understand a word problem;

Objective B: Read and interpret data;

Objective C: Design an experiment to address a specific hypothesis;

Objective D: Critically analyze an article from the original scientific literature or a professional report.

**Student Learning Goal 3: Majors will be technically skilled.**

Students will:

Objective A: Effectively communicate scientific material in written form;

Objective B: Effectively communicate scientific material orally;

Objective C: Draw a graph or design a table;

Objective D: Understand general principles and know how and when to use GC, GC-MS, ICP, AA, HPLC, QAQC, GPS, GIS;

Objective E: Demonstrate an ability to prepare dilutions.