

### **SCI 3365: Earth Watch: Examining Global Environmental Issues**

#### **3 Credit Hours**

*Prerequisite: SCI 1102*

An examination of the integrative nature of environmental sciences; emphasis on human interactions with world environments. Discussions will focus on case studies, environmental problem-solving, and the development of a personal ecological ethic. Ecological principles of population, community, ecosystem and biosphere will be integrated in the case studies.

### **SCI 4700L: Applied Environmental Studies**

#### **3 Credit Hours**

*Prerequisite: SCI 1101 and SCI 1102*

An interdisciplinary, field-based, capstone course. Students will apply skills learned in previous courses in a team-based project. The experience will be documented in an environmental assessment report describing the land and aquatic systems in terms of use, conditions (chemical, biological, physical), economic impact, environmental policy and management.

### **SCM 2000: Culture and Success in Science and Mathematics**

#### **3 Credit Hours**

*Prerequisite: A declared major within the College of Science and Mathematics.*

In this course, students will develop the skills and mindset of a scientist or mathematician through metacognitive exploration, reflection, and guided inquiry. In addition, students will apply appropriate social methods to build scientific and mathematical collaborations, emulating the modern STEM enterprise. Finally, students will learn to value an inclusive STEM environment and support measures that expand access for all students to STEM.