



**Also offered Summer Quarter!**

- EVS133-01 (F-T-F)
- GEG113-01 (Online)
- MAT201-01 (F-T-F)

**Summer 2015**

- **GEL103-01 History of the Earth and It's Life**  
06/29/2015 - 08/07/2015 (Online) 
- **GSE120-01 Residential & Small Business Energy Auditing** 07/10/2015 - 07/19/2015FSaSu: 9:00AM - 6:50PM (F-T-F)

**Also offered Fall Quarter!**

- CHM100-01 (F-T-F)
- CHM100-02 (F-T-F)
- CHM101-01 (F-T-F)
- CHM101-02 (F-T-F)
- EVS133-01 (F-T-F)
- GEG101-01 (F-T-F)
- GEG114-01 (Online)
- GEG134-01 (F-T-F)
- GEL110-01 (Online)
- GSE101-01 (F-T-F)
- GSE101-01 (F-T-F)
- GSE107-01 (F-T-F)
- MAT201-01 (F-T-F)

**Fall 2015**

- **BIO149-01 Ecology** 09/21/2015 - 12/07/2015MW: 11:00AM - 12:50PM (F-T-F) AND 09/21/2015 - 11/30/2015M: 1:00PM - 4:05PM (Lab)
- **EVS102-01 Environmental Science: System Dynamics** 10/06/2015–12/10/2015TuTh: 9:30AM - 11:45AM (F-T-F)
- **EVS105-01 ETS: Field Methods**  
10/19/2015–12/09/2015MW: 9:00AM - 10:20AM (F-T-F)(Late Start)
- **WLD100-01 Foundations of Recreation Management** 09/22/2015 - 10/29/2015 TuTh: 6:00PM - 8:50PM and TuTh: 6:00PM - 8:50PM (F-T-F)

**Also offered Winter Quarter!**

- BIO112-01 (F-T-F)
- EVS133-01 (F-T-F)
- GEG113-01 (Online)
- GEG134-01 (F-T-F)
- GEL103-01 (F-T-F)
- MAT201-01 (F-T-F)
- MAT201-02 (F-T-F)
- MAT201-03 (Online)

**Winter 2016**

- **BIO212-01 Zoology** 01/04/2016 - 03/23/2016 MW: 1:00PM - 2:50PM (F-T-F) and 01/04/2016 - 03/23/2016W: 3:00PM - 5:50PM (Lab)
- **EVS104-01 Environmental Technology & Sustainability: Laboratory Methods**  
02/16/2016 - 03/24/2016TuTh: 10:00AM - 11:25AM (F-T-F)(Late Start)
- **GEG108-01 Water Resources**  
01/05/2016 - 03/22/2016TuTh: 6:00PM - 7:50PM (F-T-F)
- **GEL101-01 Geology of California**  
01/04/2016 - 03/23/2016MW: 6:00PM - 7:50PM (F-T-F)

**Also offered Spring Quarter!**

- BIO201-01 (F-T-F)
- BIO141A-01 (F-T-F)
- CHM100-01 (F-T-F)
- CHM100-02 (F-T-F)
- EVS133-01 (F-T-F)
- GEG101-01 (F-T-F)
- GEG106-01 (Online)
- GEG107-01 (F-T-F)
- GEL102-01 (F-T-F)
- GEL103-01 (Online)
- GEL110-01 (F-T-F)
- GSE103-01 (F-T-F)
- MAT201-01 (F-T-F)
- MAT201-02 (F-T-F)
- MAT201-03 (Online)

**Spring 2016**

- **BIO111-01 Introduction to Plant & Animal Biology** 04/04/2016 - 06/20/2016 MW: 5:00PM - 6:50PM (F-T-F)  
04/04/2016 - 06/20/2016 W: 7:00PM - 9:50PM (Lab)
- **BIO113-01 Field Methods in Wildlife Ecology**  
04/18/2016 - 06/22/2016 MW: 8:30-10:45AM (F-T-F)(Late Start)
- **EVS103-01 Environmental Science: Human Impacts** 04/19/2016 - 06/23/16 TuTh: 9:30AM - 11:40AM (F-T-F)(Late Start)

The Environmental Technology and Sustainability certificate of achievement program is an interdisciplinary course of study that focuses on preparing students for employment with an introduction to environmental components, processes, and issues. Students pursuing this major have the option of exploring diverse fields in environmental management and restoration, natural resources conservation, and sustainability. Many of the courses emphasize exploration and study of the Lake Tahoe Basin and the surrounding areas, a natural lab of outstanding beauty and richness.

Student Learning Outcomes for this major are:

- Apply the scientific method to analyze organisms, structures, processes, and issues associated with local, regional, national, and global environments.
- Dissect, model, and communicate the complexity of the natural environment into its component interconnected systems.

## CERTIFICATE OF ACHIEVEMENT

### A. REQUIRED COURSES:

18 units distributed as follows:

3.5 units minimum from the following:

CHM 100 Introduction to General Chemistry

CHM 101 General Chemistry

GEG 134/CIS 135A Introduction to Geographic Information Systems

MAT 201 Elementary Statistics

11.5 units distributed as follows:

EVS 102 Environmental Science: System Dynamics

EVS 103 Environmental Science: Human Impacts

EVS 104 Environmental Technology and Sustainability Laboratory Methods

EVS 105 Environmental Technology and Sustainability Field Methods

3 units of Occupational Work Experience:

EVS 133 Internship Occupational Work Experience

### AREAS OF CONCENTRATION:

In addition to the required core courses listed above, students seeking an Environmental Technology and Sustainability degree must select an area of concentration. Students must complete the required course units within the area of concentration selected.:

### 1. AREA OF CONCENTRATION: BIOLOGICAL RESOURCES

A minimum of 10 units distributed as follows:

5 units distributed as follows:

BIO 111 Introduction to Plant and Animal Biology AND

5 units minimum not already used from the following:

BIO 112 Systems Biology

BIO 113 Field Methods in Wildlife Ecology

BIO 141A Birds of the Lake Tahoe Basin

BIO 149 Ecology

BIO 201 Botany

BIO 212 Zoology

Summer 2015	Fall 2015	Winter 2016	Spring 2016
EVS133-01	BIO149-01	BIO212-01	BIO111-01
GEG113-01*	CHM100-01	EVS-104-01	BO113-01
GEL103-01*	CHM100-02	EVS133-01	BIO141A-01
GSE120-01	CHM101-01	GEG108-01	BIO201-01
MAT201-01	CHM101-02	GEG113-01*	EVS103-01
	EVS102-01	GEG134-01	EVS133-01
	EVS105-01	GEL101-01	GEG101-01
	EVS133-01	GEL103-01	GEG106-01*
	GEG101-01	GSE101-01	GEL102-01
	GEG114-01*	MAT201-01	GEL103-01*
	GEG134-01	MAT201-02	GEL110-01
	GEL110-01*		GSE103-01
	GSE101-01		MAT201-01
	GSE107-01		MAT201-02
	MAT201-01		MAT201-03*
Online*	MAT201-02*		

### 2. AREA OF CONCENTRATION: PHYSICAL RESOURCES

A minimum of 10 units distributed as follows:

5 units minimum from the following:

GEG 101 Physical Geography

GEL 102 Physical Geology

5 units minimum not already used from the following:

GEG 101 Physical Geography

GEG 105 Conservation of Natural Resources

GEG 106 California Geography

GEG 107 Water Quality Monitoring of Streams and Lakes

GEG 108 Water Resources

GEG 113 Meteorology

GEG 114 Economic Geography

GEL 101 Geology of California

GEL 102 Physical Geology

GEL 103 History of Earth and its Life

GEL 104 Geology of the Tahoe Basin

GEL 105 Geology of Desolation Wilderness

GEL 107 Geology of the Eastern Sierra

GEL 108 Environmental Geology

GEL 110 Geology of the National Parks and Monuments

GSE 110 History of Taming Water in the West

GSE 111 Water Conservation

### 3. AREA OF CONCENTRATION: SUSTAINABILITY

A minimum of 10 units distributed as follows:

5 units minimum from the following:

GSE 101 Introduction to Green Sustainable Education

GSE 103 Lake Tahoe Issues and Agencies

GSE 107 Energy, Society and Sustainability

5 units minimum not already used from the following:

BIO 149 Ecology

GEG 107 Water Quality Monitoring of Streams and Lakes

GSE 101 Introduction to Green Sustainable Education

GSE 103 Lake Tahoe Issues and Agencies

GSE 105 Intro to Green Business

GSE 106 Landscape Design and Sustainable Site Plan

GSE 107 Energy, Society and Sustainability

GSE 110 History of Taming Water in the West

GSE 111 Water Conservation

GSE 115 Intro to Ecotourism

GSE 120 Residential and Small Business Energy Auditing

GSE 126 Introduction to Solar Energy: Thermal,

Photovoltaic, Passive Design

WLD 100 Foundations of Recreation Land Management