ADDENDUM 3
(Effective January 18, 2011)

Bachelor of Science Degree in Environmental Studies;
approved by the Higher Learning Commission.

Add Bachelor of Science in Environmental Studies to the following:
Pg. ii—Common Section Table of Contents
Pg 41—On-Campus Bachelor of Arts section Table of Contents
Pg 44—List of degrees offered
Pg 45—Advising Center paragraph; Advising Documents; Orientation
Pg 47—3rd paragraph under Competence, Breadth, and Liberal Arts
Pg 47—Course Delivery
Pg 50—Key Requirements
Pg 54—Step 5 of Graduation Timeline and Checklist
The Bachelor of Science Degree in Environmental Studies is for students seeking rigorous multi-disciplinary exploration of the natural systems and processes of the Earth and the role of humans who both depend on and influence these systems and processes. With a strong foundation in the natural sciences and a broad understanding of the policy implications of environmental science, students with this degree will be well prepared for graduate study in this field and for employment with both public agencies and private businesses working towards a more sustainable future.

The Bachelor of Science Degree requires:

- Completion of the following courses: Natural History and Ecology of the Southwest, Calculus, Foundations of Chemistry, Foundations of Physics.
- At least three courses in the Biological Sciences.
- At least two course in the Physical and Earth Sciences.
- At least two courses in Analytical Methods.
- At least two additional advanced science-based courses.
- One distribution course from each of the following areas: Personal Values and Social Systems
- Senior Project.

Additional courses will be selected from areas such as Applied Ecology, Place-based studies, Environmental Policy or other areas as driven by student interest. It is likely that the student’s total competence will consist of 18 courses.

**Biological Sciences (select 3 courses)**
- Anatomy and Ecophysiology of Plants
- Animal Behavior
- Animal Biology
- Behavior and Conservation of Mammals
- Biological Principles (required prerequisite for most other Biology courses)
- Botany
- Coastal Ecology of the Gulf of California
- Form and Pattern in Nature
- Herpetology
- Human Ecology, Intro to
- Human Evolution, Ecology of
- Marine Biology I, II,
- Organic Evolution
- Ornithology, Introduction to
- Systematics of Seed Plants

**Physical and Earth Sciences (select two courses)**
- Earth Science, Introduction to
- Earth Systems Science and Policy
- Energy and the Environment
- Environmental Chemistry
- Environmental Geology
- Geological Evolution of the Southwest
- Geomorphology, Topics in
- Soil Science, Introduction to
- Weather & Climate
Analytical Methods (select two courses)
- Environmental Problem Solving
- Field Biology Studies: Colorado Plateau
- Field Methods for Geology
- Field Methods for Plant Ecology
- Geographic Information Science
- Geographic Information Science, Advanced
- Marine Biology III
- Statistics for Research
- Summer Studies in Agroecology: Field Methods for Agroecology

Examples of Advanced Science-based Courses (select two courses)
- Agroecology and Natural Systems Agriculture
- Conservation Biology
- Ecology of Southwestern Birds
- Ethnobiology
- Wilderness Explorations and Landscape Studies (3 courses)
- Wetland Ecology & Management
- Coastal Ecology of the Gulf of California
- Environmental Perspectives and Whitewater Rafting
- Marine Conservation: Global and Regional Perspectives I, II, III
- Wildlife Management: Applied Conservation Biology

Applied Ecology
- Alpine Ecology
- Conservation Biology
- Ecological Economics, Principles of
- Energy and the Environment
- Environmental Law
- Environmental Politics
- Environmental Problem Solving
- Ethnobiology
- Fire Ecology
- Issues of Global Food Production
- Land Stewards
- Marine Conservation: Global and Regional Perspectives I, II, III
- Park & Wilderness Management
- Restoration Ecology: Watersheds of the Southwest
- Water in the West
- Wetland Ecology & Management
- Weed Ecology
- Wildlife Management: Applied Conservation Biology

Place-based Courses
- Agroecosystems of the Arid Southwest (UD)
- Coastal Ecology of the Gulf of California (UD)
- Environmental Perspectives and Whitewater Rafting (LD/UD)
- Sea Kayaking and Marine Landscapes (LD)
- Summer Studies in Alaska: Contemporary Issues (UD)
- Summer Studies in Alaska: Natural History of Alaska (LD)
- Summer Studies in Alaska: Topics in Geography: Alaska (UD)
- Tropical Biology: Natural History of Costa Rica
- Wilderness Explorations and Landscape Studies (3 courses) (LD/UD)

Examples of Courses Dealing with Personal Values
- Ecopsychology, Introduction to
- Environmental Education, Theory
- Environmental Ethics
- Nature and Psyche
- Peace Studies, Introduction to
Philosophies of Interpretive Naturalists
Philosophy: Making Ethical Decisions
Women’s Wisdom and Nature
World Religions I or II

**Examples of Courses Dealing with Social Systems**
American Government: the Political Game
Changing World Order
Anthropology
Ecological Economics, Principles of
Environmental Law
Environmental Politics
Global Development Issues and Energy Economics
Human Rights Seminar
Law and Social Change