

# NATURE & CULTURE PROGRAM REQUIREMENTS

Bachelor of Arts (A.B.) Degree

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Name	ID#	Date
Local Address, Phone #		e-mail

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## *Life Sciences Track*

*(all prerequisites are italicized in parentheses)*

\_\_\_ Preparatory Subject Matter (40-41 units)

**4 units from:**

\_\_\_ NAC 1 \_\_\_ Intersection of Nature & Culture

**15 units from:**

\_\_\_ CHE 2A \_\_\_ General Chemistry (5 units) (*see General Catalog*)

\_\_\_ CHE 2B \_\_\_ General Chemistry (5 units) (*CHE 2A or 2AH*)

\_\_\_ BIS 2A \_\_\_ Introduction to Biology: Essentials of Life on Earth (4 units)

**10 units from:**

\_\_\_ BIS 2B \_\_\_ Intro to Biology: Prin. of Ecology and Evolution (5 units) (*BIS 1A or 2A*)

\_\_\_ BIS 2C \_\_\_ Intro to Biology: Biodiversity and the Tree of Life (5 units) (*BIS 1B or 2B*)

**3-4 units (one course) from:**

\_\_\_ ESP 30 \_\_\_ The Global Ecosystem (3 units) (*BIS 10 or ANT 2*)

\_\_\_ ANT 2 \_\_\_ Cultural Anthropology

\_\_\_ GEL 10 \_\_\_ Modern & Ancient Global Environmental Change

**4 units (one course) from:**

\_\_\_ COM 1 \_\_\_ Great Books of Western Culture: The Ancient World

\_\_\_ COM 2 \_\_\_ Great Books of Western Culture: From the Middle Ages to the Enlightenment

\_\_\_ COM 3 \_\_\_ Great Books of Western Culture: The Modern Crisis

\_\_\_ COM 4 \_\_\_ Major Books of the Contemporary World

\_\_\_ ENL 3 \_\_\_ Introduction to Literature

\_\_\_ NAS 5 \_\_\_ Introduction to Native American Literature

**4 units (one course) from:**

\_\_\_ COM 20 \_\_\_ Man and the Natural World

**4 units (one course) recommended from:**

- \_\_\_ **STA 13** \_\_\_ **Elementary Statistics** (2 years high school algebra or equiv.)
- \_\_\_ **STA 32** \_\_\_ **Basic Statistical Analysis through Computers** (MAT 16B or 21B; ability to program in a high-level computer language such as Pascal)
- \_\_\_ **STA 102** \_\_\_ **Introduction to Probability Modeling and Statistical Inference** (2 years high school algebra or equiv.)
- \_\_\_ **STA 103** \_\_\_ **Applied Statistics for Business and Economics** (STA 13, 32, or 102; MAT 16A, 16B)

\_\_\_ **Depth Subject Matter (44 units)**

**4 units (one course) from:**

- \_\_\_ **NAC 100** \_\_\_ **The Culture of Nature: Theoretical Frameworks and Case Studies** (NAC 1)

**4 units (one course) from:**

- \_\_\_ **NAC 120** \_\_\_ **Environmental Ethics** (NAC 1)
- \_\_\_ **NAC 140** \_\_\_ **Animal Rights** (NAC 1)
- \_\_\_ **AMS 157** \_\_\_ **Animals in American Culture**
- \_\_\_ **VMD 170** \_\_\_ **Ethics of Animal Use** (see General Catalog)

**4 units (one course) from:**

- \_\_\_ **NAC 180** \_\_\_ **Fieldwork in Nature and Culture** (NAC 100 and consent of instructor)

**4 units (one course) from:**

- \_\_\_ **ESP 100** \_\_\_ **General Ecology** (BIS 1A, 1B, 1C; MAT 16A, 16B; STA 13 recommended)
- \_\_\_ **EVE 101** \_\_\_ **Introduction to Ecology** (BIS 1A, 1B, 1C or BIS 2A, 2B, 2C; MAT 16A, 16B, 16C or equiv.)
- \_\_\_ **PLB 147** \_\_\_ **Survey of Plant Communities of California** (BIS 1A or 1B or 1C or MCB 10 recommended)

**4 units (one course) from:**

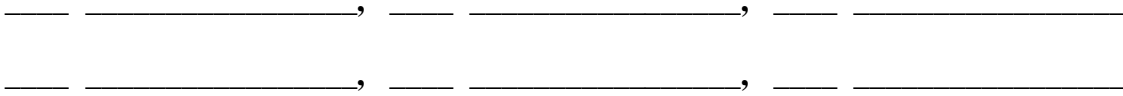
- \_\_\_ **ANT/ESP 101** \_\_\_ **Ecology, Nature, and Society** (ANT 1 or 2 or ESP 30 or EVE 100 or BIS 101)
- \_\_\_ **ANT/ESP 102** \_\_\_ **Cultural Ecology** (one lower division course in the social sciences)

**4 units (one course) from:**

- \_\_\_ **ENL 184** \_\_\_ **Literature of the Wilderness** (UWP 1 or ENL 3)
- \_\_\_ **NAC 130** \_\_\_ **The Nature of Exploration**
- \_\_\_ **NAS 181A** \_\_\_ **Native American Literature: the novel and fiction** (ENL 3 or COM 1, 2, 3, 4)
- \_\_\_ **NAS 181B** \_\_\_ **Native American Literature: nonfiction works by native authors** (ENL 3 or COM 1, 2, 3, 4)
- \_\_\_ **NAS 181C** \_\_\_ **Native American Literature: traditional literature and poetry** (ENL 3 or COM 1, 2, 3, 4)
- \_\_\_ **COM 120** \_\_\_ **Writing Nature: 1750 to the Present** (one course in literature)

**20 units from one or two thematic clusters – (see elective clusters below)**

*Students are responsible for fulfilling necessary prerequisites*



**PROGRAM IN NATURE AND CULTURE (NAC)  
UNIVERSITY OF CALIFORNIA, DAVIS  
Elective Courses for the NAC Major**

Substitutions may occur, please consult Adviser

SPA 174 - Chicano Culture

**Human Evolution and Ecology**

ANT/ESP 101 – Ecology, Nature & Society  
ANT 151 - Primate Evolution  
ANT 152 - Human Evolution  
ANT 153 - Human Biological Variation  
ANT 154A - Evolution of Primate Behavior  
ANT 154B - Ecology and Sociobiology of Primates  
ANT 155 - Comparative Primate Anatomy  
ANT 158 - The Evolution of Females and Males  
ANT 171 - Geoarcheology  
ANT 172 - New World Prehistory: The First Arrivals  
NAS 134 - Race and Sex; Race Mixture and Mixed Peoples  
SOC 170 - Population

**Human Culture and Society**

AMS 156 - Race, Culture and Society in the United States  
ANT/ESP 102 – Cultural Ecology  
ANT 120 - Language and Culture  
ANT 124 - Religion in Society and Culture  
ANT 132 – Ethnohistory  
ANT 135 - Peasant Society and Culture  
ANT 139AN - Race, Class, Gender Systems  
ANT 139BN - Gender and Sexuality  
LIN 163 - Language, Gender, and Society  
PSC 132 - Language and Cognition  
**AMS 101F: Ecology of Beauty**

**Indigenous Peoples**

ANT 103 - Indigenous Peoples and Natural Res. Conservation  
ANT 140B - Culture and Societies of E. & S. Africa  
ANT 141A - Indians of North America  
ANT 141B - Ethnography of Calif. and the Great Basin  
ANT 142 - Peoples of the Middle East  
ANT 143A - Ethnology of Southeast Asia  
ANT 143B - Philippine Societies and Culture  
ANT 146 - Peoples and Politics of Mexico and Central America  
ANT 147 - Peoples of the Pacific  
ANT 149A - Traditional Japanese Society  
ANT 178 - Hunter-Gatherers  
NAS 120 - Ethnopolitics of South American Indians  
NAS 130A-C - Native American Ethno-Historical Development  
NAS 133 - Ethnohistory of Native People of Mexico and Central America

**California and the Southwest**

ENL 182 - Literature of California  
HIS 189 - California History  
HYD 150 - Water Law  
PLB 145 - Sierra Nevada Flora  
PLB 147 – Survey of Plant Communities of California  
SPA 174 - Chicano Culture  
WFC 157 - Coastal Ecosystems

**Art and Literature at the Crossroads of Nature and Culture**

AHI 150 - Art of Sub-Saharan Africa  
AHI 151 - Arts of the Indians of America  
AHI 152 - Arts of Oceania and Prehistoric Europe  
AHI 163A - Chinese Art  
AHI 163B - Chinese Painting  
AHI 164 - The Arts of Japan  
ART 121 - Reinterpreting Landscape  
CHN 106 - Chinese Poetry (in English)  
CHN 107 - Traditional Chinese Fiction (in English)  
CHN 108 - Poetry of China and Japan (in English)  
CHN 109F - Topics in Chinese Literature: The Recluse (in English)  
COM 120 Writing Nature: 1750 to the Present  
COM 146 - Myth in Literature  
COM 168A - Romanticism  
ENL 130 - British Romantic Literature  
ENL 184 - Literature of the Wilderness  
JPN 101 - Japanese Literature in Translation: The Early Period  
JPN 102 - Japanese Literature in Translation: The Middle Period  
NAS 181A-C - Native American Literature

### Historical and Philosophical Studies

EVE 141 - Principles of Systematics  
**GEL 144 – Historical Ecology**  
HIS 185A - History of Science in America  
HIS 185B - History of Technology in America  
PHI 107 - Philosophy of the Physical Sciences  
PHI 108 - Philosophy of the Biological Sciences  
PHI 109 - Philosophy of the Social Sciences  
PHI 111 - Philosophy of Space and Time  
STS 131 - Darwin  
STS 150 - Gender and Science  
STS 180 - Topics in History and Philosophy of Science

### Earth and Environment

ERS 121 - Water and Society  
ERS 131 - Air as a Resource  
ESP/GEL 116/116G - The Oceans/Discussion  
ESP 124 - Marine and Coastal Field Ecology  
ESP/GEL 150C - Biological Oceanography  
ESP 151/151L - Limnology/Lab  
GEL 115 - Earth Science, History and People  
**GEL 130 – Non-Renewable Natural Resources**  
**GEL 131 – Risk: Natural Hazards and Related Phenomena**  
HYD 122/122L - Biology of Running Waters/Lab  
SSC 100 - Principles of Soil Science  
SSC 111 - Soil Microbiology  
SSC 118 – Soils in Land Use and Environment

### Ecological and Environmental Studies - General

ESP 100 - General Ecology  
ESP 110 - Principles of Environmental Science  
ESP 123 - Introduction to Field and Lab. Methods in Ecology  
EVE 101 - Introduction to Ecology  
EVE 104 - Community Ecology  
EVE 138 - Ecology of Tropical Latitudes  
EVE 147 - Biogeography  
EVE 149 - Evolution of Ecological Systems  
GEL 107/107L - Earth History: Paleobiology/Lab  
**GEL 130 – Non-Renewable Natural Resources**  
**GEL 131 – Risk: Natural Hazards and Related Phenomena**  
HYD 122/122L - Biology of Running Waters/Lab  
**LDA 168 – Mountain Landscapes and Life**  
WFC 141 - Behavioral Ecology  
WFC 154 - Conservation Biology  
**WFC 155 – Habitat Conservation and Restoration**  
WFC 157 – Coastal Ecosystems

### Ecology and Environmental Studies - Animal Evolution, Ecology, Behavior and Conservation

ENT 100/100L - General Entomology/Lab  
ENT 104 - Behavioral Ecology of Insects  
EVE 105 - Phylogenetic Analysis of Vertebrate Structure  
EVE 112/112L – Biology of Invertebrates/Lab  
EVE 134/134F/134L - Herpetology/Field/Lab  
EVE 147 - Biogeography  
EVE 149 - Evolution of Ecological Systems  
MMI 116 - Parasitology for Wildlife Biologists  
NPB 102 - Animal Behavior  
WFC 102/102L - Field Studies in Fish Biology/Lab  
WFC 110/110L - Biology and Conservation of Wild Mammals/Lab  
WFC 111/111L - Biology and Conservation of Wild Birds/Lab  
WFC 120/120L - Biology and Conservation of Fishes/Lab  
WFC 122 - Population Dynamics and Estimation  
WFC 136 - Ecology of Waterfowl and Game Birds  
WFC 151 - Wildlife Ecology  
**WFC 155 – Habitat Conservation and Restoration**

### Ecology and Environmental Studies - Plant Ecology and Evolution

ENH 105 - Taxonomy and Ecol. of Environmental Plant Families  
ERS 141 - Role of Fire on Natural Ecosystems  
EVE 108 - Systematics and Evolution of Angiosperms  
EVE 117 - Plant Ecology  
EVE 119 - Population Biology of Weeds  
EVE 138 - Ecology of Tropical Latitudes  
EVE 140 - Paleobotany  
PLB/ERS 140 - Culinary and Medicinal Herbs  
PLB 141 - Principles and Methods of Ethnobotany  
PLB 142 - Ecology of Crop Systems  
PLB 143 - Evolution of Crop Plants  
PLB/ENH/ERS 144 - Trees and Forests  
PLB 147 - Survey of Plant Communities of California  
WFC 156 - Plant Geography

### The Impact of Humans on Earth - Agriculture

IAD 103 - Social Change and Agricultural Development  
PLS 101 - Agriculture and the Environment  
PLS 110AB/110L - Principles of Agronomy/Lab  
SAS 120 - Science and Contemporary Societal Issues  
SOC 144 - Agriculture and Society

**The Impact of Humans on Earth - Urbanization**

- ENH 100 - Urban Forestry
- ENH 133 - Woody Plants in the Landscape: Growth, Ecology and Management

**The Impact of Humans on Earth - Other Human Technology/Management**

- ENG 160 - Environmental Physics and Society
- ETX 110 - Toxic Tragedies and Their Impact on Society**
- ETX 131 – Environmental Toxicology of Air Pollutants**
- PHY 137 – **New title: Weapons of Mass Destruction, The Cold War, and Modern Terrorism**
- PHY 160 – Environmental Physics and Society**
- SOC 160 – Sociology of the Environment**
- WFC 153 - Wildlife Ecotoxicology

**Environmental Law, Policy, and Planning**

- ARE 147 - Resource and Environmental Policy Analysis
- ESP 160 - Environmental Decision Making
- ESP 161 - Environmental Law
- ESP 165 – Science, Experts and Public Policy**
- ESP 166 – Policy Making in Natural Resource Agencies**
- ESP 167 - Energy Policy
- ESP 170 – Conservation Biology Policy**
- ESP 171 - Environmental Planning
- ESP 173 - Land Use and Growth Controls
- ETX 138 - Legal Aspects of Environmental Toxicology
- GEL 134 - Environmental Geology and Land Use Planning
- HYD 150 - Water Law
- IRE 131 - Ocean Politics
- POL 107 - Environmental Politics and Administration
- POL 171 - The Politics of Energy
- WFC 155 – Habitat Conservation and Restoration**

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**COLLEGE AND UNIVERSITY REQUIREMENTS:**

\_\_\_ **Entry Level Writing (ELWR)**

\_\_\_ **American History and Institutions**

\_\_\_ **Choose one, 4 units – UWP 1 \_\_\_\_, ENL 3 \_\_\_\_, UWP 18 \_\_\_\_, UWP 19 \_\_\_\_, OR Comp. Lit. 1 \_\_\_\_, 2 \_\_\_\_, 3 \_\_\_\_, 4 \_\_\_\_ OR Native American Studies 5 \_\_\_\_ OR AP score 4 5 (circle one)**

\_\_\_ **English Composition Requirement: Exam \_\_\_\_, UWP 101, 102A-G, 104A-F (Choose one)**

\_\_\_ **Area Breadth** \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

\_\_\_ **General Education** \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

\_\_\_ **Foreign Language** \_\_\_\_\_

\_\_\_ **IGETC Certified**

**Optional (Minor, Mini-Minor, Double Major):** \_\_\_\_\_

**180 to 225 units needed for graduation: minimum 64 upper-division units required.**

**It is strongly recommended to see your adviser once per quarter ..... there may be changes that could affect you.**