

NATURE & CULTURE PROGRAM REQUIREMENTS

Bachelor of Arts (A.B.) Degree

Name	ID#	Date
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Local Address, Phone #	e-mail
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Physical Sciences Track

(all prerequisites are italicized in parentheses)

___ Preparatory Subject Matter (38-39 units)

4 units from:

___ NAC 1 ___ Intersection of Nature & Culture

13 units from:

___/___ GEL 3+3L ___/___ History of Life (3+1 units) AND

___/___ GEL 50+50L ___/___ Physical Geology (3+2 units) *(high school physics & chemistry)*

AND one course from

___ GEL 36 ___ Solar System **OR**

___ AST 2 ___ Intro to Modern Astronomy & Astrophysics *(see General Catalog)*

14 units from:

___ BIS 2A ___ Intro to Biology: Essentials of Life on Earth (4 units)

___ 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

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
SPA 174 - Chicano Culture

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**

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.