

Foundations of Environmental Science

Updated 3/26/18

Definition: These courses present students with disciplinary knowledge from the natural sciences foundational to environmental science. They may or may not consider how this knowledge relates to environmental science and include courses at introductory through advanced levels.

The list below has been sorted by department and course number.

ANTH 100 Introduction to Biological Anthropology
BIOL 120 Life at the Extremes: A Survival Guide
BIOL 121 Alien Worlds
BIOL 122 The Biochemical Basis of Metabolic Disorders
BIOL 123 Interactions of Plants, Animals, and Fungi
BIOL 124 Biology of Behavior
BIOL 125 Understanding Cancer
BIOL 126 Infectious Disease versus Immune Defense
BIOL 127 This Is Your Life
BIOL 131 Intro to Organisms, Populations & Ecosystems in Physiology
BIOL 132 Molecules, Genes & Cells: Topics in Genetics & Genomics
BIOL 213 Cell and Tissue Biology
BIOL 215 Evolution
BIOL 216 Genetics
BIOL 221 Animal Diversity
BIOL 313 Cell Biology
BIOL 315 Evolution
BIOL 318 Animal Development
BIOL 321 Invertebrate Zoology
BIOL 323 Algae, Fungi, and Lichens
BIOL 326 Microbiology
BIOL 333 Physiology
BIOL 334 Vertebrate Biology
BIOL 343 Metabolism
BIOL 401 Field Natural History Mosaic
BIOL 416 Population Genetics
BIOL 417 Molecular Genetics
BIOL 425 Biology of Cancer

CHEM 131 General Chemistry I
CHEM 132 General Chemistry II
CHEM 141 Accelerated General Chemistry
CHEM 241 Organic Chemistry I

CHEM 242 Organic Chemistry II
CHEM 244 Thermodynamics and Kinetics
CHEM 342 Structure and Function of Biomolecules
CHEM 343 Metabolism
CHEM 347 Concepts of Inorganic Chemistry

COMP 131 Introduction to Computer Science
COMP 132 Introduction to Computer Science II

ENST 218 Geographic Information Systems

ERSC 121 Are We Alone Understanding Habitable Worlds
ERSC 141 Earth's Hazards
ERSC 142 Earth's Changing Climate
ERSC 201 Surface Processes
ERSC 205 Introduction to Soil Sciences
ERSC 206 Volcanology
ERSC 221 Oceanography
ERSC 301 Field Geology
ERSC 305 Earth Materials
ERSC 306 Igneous and Metamorphic Petrology
ERSC 307 Paleontology
ERSC 309 Sedimentology and Stratigraphy
ERSC 331 Chemistry of Earth Systems

MATH 121 Elementary Statistics
MATH 151 Introduction to Calculus
MATH 170 Single-Variable Calculus
MATH 171 Multivariate Calculus
MATH 211 Discrete Mathematics
MATH 225 Probability and Statistics 1
MATH 241 Numerical Methods
MATH 262 Introduction to Linear Algebra
MATH 270 Integration and Infinite Series
MATH 271 Differential Equations
MATH 325 Probability and Statistics II
MATH 331 Operations Research

PHYS 131 Introductory Physics
PHYS 132 Introductory Physics
PHYS 141 Physics for the Life Sciences
PHYS 142 Physics for the Life Sciences