

Sciences for Elementary Education Majors

Elementary Education majors are required to take 4 hours of Life Science and 4 hours of Physical Science. At least one of these courses must have a Lab component. Some courses listed here are fewer than 4 hours and some have a separate Lab required for Lab Science credit.

Life Sciences w/ Lab

ANTH 101: Human Biological Diversity
BIOL 111: Biology & the Modern World
BIOL 116: Introductory Ecology
BIOL 201: Introductory Microbiology
BIOL 205: Human Anatomy & Physiology I
BIOL 206: Human Anatomy & Physiology II
BIOL 225: Molecules, Cells, & Organisms
BIOL 226: Genes, Evolution, Diversity, & Ecology
BIOL 341: Developmental Biology
BIOL 342: Microbiology
BIOL 352: Comparative Anatomy
BIOL 353: Invertebrate Zoology
BIOL 354: Natural History of Vertebrates
BIOL 355: Ornithology
BIOL 367: Conservation Biology & Management
BIOL 368: Ecology
BIOL 369: Marine Biology
BIOL 442: Cell Biology
BIOL 445: Molecular Biology
BIOL 452: Plant Physiology
BIOL 453: Mammalian Physiology
BIOL 462: Plant Diversity & Distribution
GEOS 102: General Oceanography

Life Sciences w/o Lab

BIOL 330: Genetics
BIOL 356: Economic & Cultural Biology
BIOL 362: Animal Behavior
BIOL 366: Comp Ecology of Latin America
BIOL 387: Special Topics in Biology
BIOL 444: Neurobiology
BIOL 448: Immunology
BIOL 461: Evolution
BIOL 495: Internship in Biology
ENVT 239: Environment & Culture

Physical Sciences w/ Lab

CHEM 104: Environmental Chemistry
CHEM 115: General Chemistry I
CHEM 116: General Chemistry II
CHEM 320: Analytical Chemistry
CHEM 331 & 333: Organic Chemistry I + Lab
CHEM 332 & 334: Organic Chemistry II + Lab
CHEM 341 & 343: Physical Chemistry I + Lab
CHEM 342 & 344: Physical Chemistry II + Lab
CHEM 405: Biochemistry II
CHEM 450: Inorganic Chemistry
ENVT 350: Environmental Methods of Investigation
GEOS 102: General Oceanography
GEOS 103: Earthquake/Volcano/Geologic Hazards
GEOS 104: Conservation of Natural Resources
GEOS 105: Meteorology
GEOS 201: Geologic Principles
GEOS 324: Igneous Petrology
GEOS 325: Structural Geology
GEOS 326: Optical Mineralogy
GEOS 327: Stratigraphy & Sedimentation
GEOS 328: Paleontology
GEOS 329: Metamorphic Petrology
GEOS 330: Maps: Images of the Earth
GEOS 331: Maps: CPU Aided Mapping & Analysis
GEOS 332: Geomorphology
GEOS 334: Hydrogeology
GEOS 335: Geophysics
GEOS 350: Marine Geology
PHYS 125 & 135: College Physics I + Lab
PHYS 126 & 136: College Physics II + Lab
PHYS 153 & 163: General Physics I + Lab
PHYS 154 & 164: General Physics II + Lab
PHYS 210: Musical Acoustics

Physical Sciences w/o Lab

CHEM 105: Chemistry of Life
CHEM 331: Organic Chemistry I
CHEM 332: Organic Chemistry II
CHEM 341: Physical Chemistry I
CHEM 342: Physical Chemistry II
CHEM 403: Biochemistry I
CHEM 410: Introduction to Research
CHEM 420: Instrumental Analysis
CHEM 440: Advanced Organic Chemistry
CHEM 456: Polymers & Biopolymers
CHEM 491: Independent Studies
CHEM 497: Research
ENVT 104: Conservation of Natural Resources
ENVT 487: Special Topics in ENVT
ENVT 491: Independent Studies
ENVT 495: Internship in ENVT
ENVT 498: Interdisciplinary Inquiry & Analysis
GEOS 106: Geology of National Parks
GEOS 107: Global Climate Change
GEOS 109: The Geology of Energy
GEOS 390: Field Trip
GEOS 491: Independent Studies
GEOS 495: Internship
GEOS 497: Research
PHYS 110: Astronomy
PHYS 125: College Physics I
PHYS 126: College Physics II
PHYS 153: General Physics I
PHYS 154: General Physics II
PHYS 221: Waves & Fluids
PHYS 223: Elementary Modern Physics
PHYS 240: Engineering Statics
PHYS 331: Electromagnetic Theory
PHYS 332: Electromagnetic Waves, Physical Optics
PHYS 333: Engineering Thermodynamics
PHYS 334: Engineering Materials Science
PHYS 336: Classical Mechanics
PHYS 354: Mathematical Physics I
PHYS 401: Intro to Quantum Mechanics