

University Requirements

Area I. Communications (10 credits)

ENGL 111G (4) Rhetoric and Composition
ENGL 218G (3) Technical and Sci. Comm. or 318G (3) Adv. Tech. Sci. Comm.
AXED 201G (3) Leadership and Comm. or COMM 253G (3) Public Speaking or COMM 265G (3) Principles of Human Communication

Area II. Mathematics (3-4 credits)

MATH 142G (3) Calculus for the Biological and Management Sciences or
MATH 192G (4) Calculus and Analytic Geometry II

Area III/IV. Laboratory and Social/Behavioral Sciences (11 credits)

CHEM 111G (4) General Chemistry I
CHEM 112G (4) General Chemistry II
ECON 201G (3) Introduction to Economics or ECON 251G (3) Principles of Macroeconomics or ECON 252G (3) Principles of Microeconomics

Area V. Humanities (3 credits)

See Catalog for additional eligible courses

Area VI. Creative and Fine Arts (3 credits)

See Catalog for additional eligible courses

General Education Elective (3-4 credits)

FWCE 110G/L (4) Introduction to Natural Resources Management

Viewing a Wider World (6 credits; 300-400 level)

3 credits can be taken inside the College of Aces, but 3 credits must also be taken outside the College of Aces or to fulfill this 3 cr requirement, 9 credits can be taken within a single department (e.g. Biology) that is outside the College of Aces. This is the "9 credit rule"

**55 must be upper division and
66 must be from a 4-year degree granting institution
120 total credits required**

Major Requirements (53 credits minimum)

BIOL 111G/L (4) Natural History of Life
BIOL 211G/L (4) Cellular and Organismal Biology
BIOL 301 (3) Principles of Ecology or FWCE 301 (3) Wildlife Ecology
BIOL 305 or AGRO 305 (3) Principles of Genetics
BIOL 312 (3) Plant Taxonomy or RGSC 316 (3) Rangeland Plants
BIOL 313 (3) Structure and Function of Plants
BIOL 322 (3) Zoology
BIOL 455 (3) Biometry or FWCE 457 Ecological Biometry
BIOL 462 (3) Conservation Biology
BIOL 467 (3) Evolution
BIOL 488 (3) Principles of Conservation Genetics or BCHE 341 (3) Survey of Biochemistry
FWCE 255 (3) Principles of Fish and Wildlife Management
FWCE 330 (4) Natural History of the Vertebrates
FWCE 402 (1) Seminar in Natural Resource Management
FWCE 409 (3) Introduction to Population Ecology
FWCE 447 (3) Wildlife Law and Policy
FWCE 464 (4) Management of Aquatic and Terrestrial Ecosystems

Non-Departmental Requirements (12 credits)

PHYS 211G/L (4) General Physics I & PHYS 212G/L (4) General Physics II or PHYS 221G/L (4) General Physics for Life Sciences I & Lab and
PHYS 222G/L (4) General Physics for Life Sciences II & Lab
CHEM 211 (4) Organic Chemistry

Requirements in Physiology: Select one of the following (3/4 credits)

ANSC 370 (4) Anatomy and Physiology of Farm Animals
BIOL 314 (3) Plant Physiology
BIOL 354 (3) Physiology of Humans & BIOL 354L (1) Pre-Professional Human Anatomy Lab
BIOL 381 (3) Animal Physiology
FWCE 432 (3) Environmental Biology of Fishes

Requirements in Diversity of Life: any two courses (total credits = 6/8)

BIOL 408 (3) Ecology of Plants
BIOL 465 (4) Invertebrate Zoology
BIOL 480 (3) Animal Behavior
EPWS 303 (3) Economic Entomology
EPWS 462 (3) Parasitology
FWCE 430 (4) Avian Field Ecology or BIOL 447 (3) Ornithology
FWCE 431 (4) Mammalogy
FWCE 467 (4) Herpetology
FWCE 482 (4) Ichthyology

Other Related Courses

A ST 311 (3) Statistical Application
BIOL 436 (3) Disease Vector Biology
BIOL 442 (3) Genomics Technology
BIOL 446 (3) Bioinformatics & NCBI Database
BIOL 469 (3) Biology of Emerging Infectious Diseases
BIOL 489 (3) Genetic Aspects of Population Biology
ECON 337V (3) Natural Resource Economics
FWCE 471 (4) GIS for Natural Resources Scientists
GEOG 381 (3) Cartography & GIS
GEOG 481 (3) Fundamentals of Geographic Information Systems
GEOL 111G (4) Survey of Geology
GEOL 295 (3) Environmental Geology
GEOL 424 (3) Soil Chemistry
GOVT 378 (3) U.S.-Mexico Border Politics
RGSC 318 (3) Watershed Management
RGSC 325 (3) Rangeland Restoration Ecology
RGSC 452 (3) Rangeland Vegetation Measurements for Rangeland Assessment
TOX 423 (3) Environmental Toxicology

Student's Signature: _____ Date: _____

Advisor's Signature: _____ Date: _____

Department Head's Signature: _____ Date: _____