



Zoo Wildlife & Conservation Careers

1 YEAR PROGRAM

NEW VISIONS

IN PARTNERSHIP WITH THE BUFFALO ZOO

PROGRAM SUMMARY

- Consider the 23-acre Buffalo Zoo your new home!
- The Zoo Wildlife and Conservation Careers program allows highly motivated, college bound seniors the opportunity to explore options in the many areas related to wildlife, conservation and zoo-based careers.
- This exciting program includes daily access to zoo grounds, internships with keepers, behind the scenes tours, and diverse guest speakers.
- Students will get to experience the zoo's day to day operations and learn how to incorporate conservation into their daily lives and help spread the message to others.
- The school year will culminate with a project in which students research and design their own animal exhibit with input from the Buffalo Zoo's animal experts.
- Correlate concepts of ELA, government and economics as they relate to animal and conservation topics.

COLLEGE CREDIT CONNECTIONS

- Canisius College

SPECIAL NOTES

- New Visions programs require an application and interview.
- Students must provide own transportation.
- Students are required to have completed 2 academic credits in Regents level science and 2 academic credits in Regents level math upon entering the program.
- Current immunizations, PPD, and physical exam required.

PROGRAM ELIGIBILITY

- 1 Credit ELA 12
- 1 Credit PIG/Economics
- 1 Credit Internship
- 1 Credit Zoology

Career Paths

PROFESSIONAL CAREERS

Curator
Ecologist
Environmental Scientist
Fish and Game Warden
Marine Biologist
Veterinarian
Wildlife Biologist
Wildlife Enforcement Officer
Zoologist

TECHNICAL CAREERS

Animal Nutritionist
Animal Trainer / Behaviorist
Animal Welfare Agent
Aquarist
Habitat Specialist
Licensed Veterinary Technician
Wildlife Rehabilitator
Wildlife Technician
Zookeeper

ENTRY LEVEL CAREERS

Animal Care Specialist
Animal Shelter Worker
Farm Hand
Humane Educator
Kennel Assistant
Stable Worker
Veterinary Assistant
Wildlife Rehabilitation Assistant
Zoo Program Assistant

ZOO WILDLIFE & CONSERVATION CAREERS

CONSERVATION

- Habitat Loss
- Invasive Species
- Climate Change
- Biodiversity
- Conservation Education
- Species Survival Plans

ANIMAL HUSBANDRY

- Zoo Animal Care
- Diet and Nutrition
- Population Management
- Record Keeping and Transportation

EVOLUTION OF ZOOS

- Zoo History
- Today's Zoos
- Professional Zookeeping
- Animal Ethics and Welfare
- Safety

ZOOLOGY & ANIMAL SCIENCE

- Reptiles
- Amphibians
- Birds
- Fish and Marine Life
- Mammals
- Invertebrates
- Anatomy and Physiology

BEHAVIOR

- Basic Animal Behavior
- Animal Observations
- Enrichment
- Positive Training Methods
- Husbandry Training

VETERINARY CARE

- Zoonotic Disease
- Safety
- Handling and Restraint
- Preventative Care and Maintenance
- Directional Terminology

EXHIBIT DESIGN

- Planning an Exhibit
- Plant Selection
- Exhibit Considerations and Safety
- Needs of the Animals
- Life Systems Maintenance
- Public Education Signs and Interactive Displays

HORTICULTURE

- Native Plants
- Identifying Plants
- Botany
- Zoo Horticulture

ZOO OPERATIONS

- Mission and Purpose
- Educational Displays
- Zoo Events
- Volunteer Opportunities
- Marketing and Business

