



## Zoo Wildlife & Conservation Careers

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

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

#### TECHNICAL CAREERS

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

#### ENTRY LEVEL CAREERS

Veterinary Assistant  
Animal Shelter Worker  
Kennel Assistant  
Animal Care Specialist  
Wildlife Rehabilitation Assistant

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## New Visions

### 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

### 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