



## School of Natural Resources and the Environment

### **Undergraduate Certificate in Zoo and Aquarium Conservation**

This certificate complements your normal coursework by providing a specialized program of study for students wishing to pursue a career in zoological parks and aquariums.



Zoological parks and aquariums play an increasingly important role in conservation, from education to captive breeding.

### **Exciting course options**

- Zoo and Aquarium Conservation
- Conservation Genetics
- Applied Animal Nutrition
- Physiology of Reproduction
- Animal Anatomy and Physiology
- Animal Toxicology
- Nutritional Physiology and Metabolism
- Diseases of Wildlife
- Primate Behavior for Captive Management
- Applied Captive Primate Behavior
- Science Communication
- Natural History of Our Closest Relatives
- Animal Behavior
- Wildlife Management
- Wildlife Conservation Behavior
- Internship at an AZA accredited zoo or aquarium



For more information contact Katie Hughes, [khughes@email.arizona.edu](mailto:khughes@email.arizona.edu) in  
The School of Natural Resources and the Environment

## Checklist for the Undergraduate Certificate in Zoo and Aquarium Conservation

### Core courses (9 units):

\_\_\_ WFSC 385 Zoo and Aquarium Conservation (3) Fall, Summer

\_\_\_ WFSC 430 Conservation Genetics (3) Fall, Summer

\_\_\_ Internship (100% engagement; 3):

Requirement includes written/oral presentation of experience to instructor, class, or organization/al meeting. Internship at Reid Park Zoo, Arizona-Sonoran Desert Museum, Phoenix Zoo, or any other AZA accredited institution.

### One elective courses from the following (at least 3 units):

\_\_\_ ACBS 336A - Applied Animal Nutrition (3) Fall

\_\_\_ ACBS 315 R and L: Physiology of Reproduction lecture and laboratory (4) Fall

\_\_\_ ACBS 400A Animal Anatomy and Physiology (3) Fall

\_\_\_ ACBS 400B Animal Anatomy and Physiology (3) Spring

\_\_\_ ACBS 405 - Principles of Livestock Health Management (3) Spring

\_\_\_ ACBS 410 Animal Toxicology (3) Fall

\_\_\_ ACBS 445 Nutritional Physiology and Metabolism (3) Fall

\_\_\_ ACBS/WFSC 449 Diseases of Wildlife (3) Fall

\_\_\_ ACBS 483 Principles of Applied Primate Behavior for Captive Management (3) Fall

\_\_\_ ACBS 484 Applied Captive Primate Behavior in Practice (3) Spring

\_\_\_ ALC 422 Communicating Knowledge in Agriculture and the Life Sciences (3) Sp, Su, F, W

\_\_\_ ANTH 364 - Natural History of Our Closest Relatives (3) Fall

\_\_\_ ECOL 487R Animal Behavior (3) Fall

\_\_\_ ECOL 487L Animal Behavior Lab (1) Fall

\_\_\_ PSY 412 Animal Learning (3) online

\_\_\_ SCI 401 Science Communication (3) Fall

\_\_\_ WFSC 444 Wildlife Management (4) Fall, Summer

\_\_\_ WFSC 447 Wildlife Conservation Behavior (3) Spring even years, summer

### Approved Substitution\*

Core: \_\_\_\_\_

Elective: \_\_\_\_\_

\*Substitutions will be allowed on a case by case basis.



**Summer 2021**

**Certificate in Zoo and Aquarium Conservation**



**OPEN TO ALL MAJORS!**

**Complete the coursework in just one summer! \***

**Summer 5 week 1**

WFSC 430 Conservation Genetics (3 units, [online](#))

WFSC 385 Zoo and Aquarium Conservation (3 units, [online](#))

**Summer 5 week 2**

WFSC 447 Wildlife Conservation Behavior (3 units, [online](#))

**Summer 7 week 2**

WFSC 444 Wildlife Ecology, Conservation and Management (4 units, [online](#))

*\*An internship at an AZA accredited institution is required to complete and earn the certificate.*

Date