ABOUT THE PROGRAM

The zoo science major focuses on zoo and aquarium management and captive wildlife conservation. Students will learn the aspects of zoo science and conservation, including husbandry, handling, care, nutrition, disease, behavior, training and management, exhibit design, small population management, and personnel and facility management skills. DelVal was the first institution to offer training in the animal record keeping system ZIMS. DelVal is proud to offer one of only three four-year zoo science programs in the United States.

CAREER OPPORTUNITIES

With 100 percent of our students having real-world, hands-on experience, graduates with a degree in zoo science are able to:

- Apply to graduate school or veterinary school
- Pursue a career in environmental education
- Pursue a career as a zoo or aquarium professional

FACILITIES

- 1,000 acres of land, much of which serves as a living classroom in several courses
- Five partner zoos, aquariums and museums in the area
- New Life Sciences Building with seven classrooms and four multipurpose labs
- Two small animal science labs
- On-campus colony of the threatened Allegheny woodrat

THE EXPERIENCE360 PROGRAM

The Experience360 Program (E360) is central to a DelVal education and embraces a full range of activities and opportunities that will give you well-rounded experiences that can’t be found anywhere else. This approach will prepare you for a life of meaningful work, service and career growth. Integrating knowledge and experience, you’ll be prepared to put your skills into action as globally responsible citizens. One hundred percent of our students will gain real-world competencies through internships, career exploration, student research, study abroad, leadership development, community service or civic engagement.

INTERNSHIPS

The zoo science major includes two required internships at a zoo or aquarium, one in animal husbandry and one in public education. These internships may be taken in junior year with DelVal’s partner institutions; New Jersey Adventure Aquarium, Philadelphia Academy of Natural Sciences, Philadelphia Zoo, Elmwood Park Zoo or Lehigh Valley Zoo. Internships may also be arranged independently through Association of Zoos and Aquariums accredited institutions following completion of the Wild Animals in Captivity course in the summer of sophomore year.

ABOUT DELVAL

Delaware Valley University, an independent, comprehensive university of more than 1,000 acres in Bucks and Montgomery counties, features individualized attention and emphasizes experiential and interdisciplinary learning. Located in Doylestown, Pennsylvania, DelVal offers more than 25 undergraduate majors, six master’s programs, a doctoral program, and a variety of adult education courses.
# ZOO SCIENCE

## CURRICULUM

### Freshman Year

**First Semester**

- **BY 1116 - Biological Science I** 3 credits
- **CH 1103 - General Chemistry I** 3 credits
- **CH 1103L - General Chemistry I Laboratory** 1 credit
- **EN 1101 - College Writing I** 3 credits
- **SA 2110 - Introduction to Zoo Keeping** 3 credits
- **FY 9900 - DelVal Experience I** 1 credit
- **MP 1102 - College Algebra** 3 credits or
  **MP 1203 - Elementary Functions** 3 credits

**Total: 17 Credits**

**Second Semester**

- **BY 1217 - Biological Science II** 3 credits
- **CH 1203 - General Chemistry II** 3 credits
- **CH 1203L - General Chemistry II Laboratory** 1 credit
- **EN 1201 - College Writing II** 3 credits
- **MP 1203 - Elementary Functions** 3 credits or
  **MP 1204 - Calculus I** 4 credits
- **IT 1011 - Information Technology Concepts** 1.5 credits
- **IT 1012 - Computer Applications** 1.5 credits
- **FY 9901 - DelVal Experience II** 1 credit

**Total: 17-18 Credits**

### Sophomore Year

**First Semester**

- **BA 1010 - Management Concepts** 3 credits
- **CH 2003 - Principles of Organic Chemistry** 3 credits and
  **CH 2003L - Principles of Organic Chemistry Laboratory** 1 credit
  or
- **CH 2120 - Organic Chemistry I** 3 credits and
  **CH 2120L - Organic Chemistry I Laboratory** 1 credit
- **EN 2005 - Speech** 3 credits
- **Elective** 1 credit
- **SA 2113 - Wild Animals in Captivity** 3 credits

**Total: 14 Credits**

**Second Semester**

- **BY 2003 - Genetics** 3 credits
- **EN 2028 - Introduction to Literature** 3 credits
- **Major Elective** 3 credits
- **Elective** 1 credit
- **Humanities Area** 3 credits
- **SA 3124 - Animal Behavior** 3 credits

**Total: 16 Credits**

### Junior Year

**First Semester**

- **DS 3118 - Anatomy and Physiology of Animals** 4 credits
- **SA 2218 - Animal Training and Enrichment** 3 credits
- **SA 3115 - Zoo Internship I: Animal Care** 2 credits
- **Elective** 3 credits
- **Major Elective** 3 credits

**Total: 15 Credits**

### Senior Year

**First Semester**

- **SA 3216 - Zoo Internship II: Public Education** 2 credits
- **Humanities Area** 3 credits
- **Elective** 3 credits
- **Major elective** 6 credits
- **Select One:**
  - **SA 3032 - Herpetology** 3 credits
  - **SA 3034 - Mammalogy** 3 credits
  - **SA 3133 - Aquatic Animal Science** 3 credits
  - **BY 2240 - Ornithology** 3 credits
  - **BY 3007 - Entomology** 3 credits

**Total: 17 Credits**

**Second Semester**

- **SA 3216 - Zoo Internship II: Public Education** 2 credits
- **Humanities Area** 3 credits
- **Elective** 3 credits
- **Major elective** 6 credits
- **Select One:**
  - **SA 3032 - Herpetology** 3 credits
  - **SA 3034 - Mammalogy** 3 credits
  - **SA 3133 - Aquatic Animal Science** 3 credits
  - **BY 2240 - Ornithology** 3 credits
  - **BY 3007 - Entomology** 3 credits

**Total: 15 Credits**

This is a recommended course sequence. It is not a complete course listing and is subject to change.

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2016-2017