

# CURRICULUM STANDARD

Effective Term  
Fall 2012  
[2012\*03]

Curriculum Program Title

**Zoo and Aquarium Science Technology**

Code

**A20220**

Concentration

**(not applicable)**

## ***Curriculum Description***

The Zoo and Aquarium Science Technology curriculum prepares students for employment in zoological parks, aquaria, or other settings requiring animal care, breeding, education/conservation, or health of exotic animals.

Course work emphasizes anatomy, physiology, reproduction, behavior, and nutrition of exotic animals that are on exhibit for education and/or conservation purposes or for animals maintained for medical purposes. Students have practical experiences with basic husbandry skills, animal handling/capture/restraint skills, the ability to detect illness, and creative design of exhibits.

Graduates of the curriculum should qualify for entry-level employment opportunities in a variety of settings, including zoos, aquaria, nature science centers, and animal research facilities.

## ***Curriculum Requirements\****

*[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204(3)]*

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
<b>Total Semester Hours Credit (SHC)</b>	<b>64-76</b>	<b>36-48</b>	<b>12-18</b>

*\*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.*

## **Major Hours**

*[ref. 23 NCAC 02E.0204 (3)]*

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** (*if applicable*). A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

### **Zoo and Aquarium Science Technology (A20220)**

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b>	<b>46</b>	<b>NR</b>	
<b>Required Courses:</b>			
BIO 111 General Biology I	4 SHC		
BIO 112 General Biology II	4 SHC		
BIO 242 Nat Resource Conservation	3 SHC		
ZAS 110 Intro to Zookeeping	5 SHC		
ZAS 112 Intro to Zoo Science	1 SHC		
ZAS 113 Animal Exhibits	1 SHC		
ZAS 114 Species Survival Plans	1 SHC		
ZAS 115 Animal Welfare Issues	1 SHC		
ZAS 130 Introduction to Ethology	3 SHC		
ZAS 131 Applied Animal Psych	3 SHC		
ZAS 232 Zoo Invertebrates	3 SHC		
ZAS 234 Zoo Herpetology	3 SHC		
ZAS 235 Zoo Ornithology	3 SHC		
ZAS 236 Zoo Mammalogy	3 SHC		
COE 112 Co-op Work Exp I	2 SHC		
COE 122 Co-op Work Exp II	2 SHC		
COE 132 Co-op Work Exp III	2 SHC		
COE 212 Co-op Work Exp IV	2 SHC		
<b>Required Subject Areas:</b>			
None			
<b>B. CONCENTRATION</b> ( <i>Not applicable</i> )			

**Zoo and Aquarium Science Technology (A20220) Continued**

**C. OTHER MAJOR HOURS**

*To be selected from the following prefixes:*

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ACM, BIO, BUS, CIS, COE, PED, PSY, and ZAS

*Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.*