

## Curriculum Standard for Animal Systems: Animal Care Management Technology

**Career Cluster:** Agriculture, Food, and Natural Resources \*\*

**Cluster Description:** The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

**Pathway:** Animal Systems

**Effective Term:** Fall 2013 (2013\*03)

### Program Majors Under Pathway

Program Major / Classification of Instruction Programs (CIP) Code	Credential Level(s) Offered	Program Major Code
Animal Care and Management Technology	CIP Code: 01.0599	AAS/Diploma/Certificate A55100

**Pathway Description:**

The Animal Care and Management Technology curriculum is designed to provide students with the opportunity to acquire the skills, knowledge, and attitudes necessary for employment in the animal care industry.

Course work includes instruction designed to educate students in the basic sciences pertinent to animal work including legal aspects, basic management skills needed to work with both people and animals, and hands-on skills necessary for safety and health.

Graduates should qualify for opportunities with humane organizations, kennels, city and county animal control agencies, animal shelters, zoos, residency facilities, and veterinarians.

*Program Major Description: Choose one of the following 4<sup>th</sup> paragraphs to use in conjunction with the first three paragraphs of the pathway description above for documentation used to identify each Program Major:*

**Animal Care and Management Technology:** A program that focuses on feeding, watering, grooming, bathing, exercising, or otherwise care for pets and agricultural animals, dogs, cats, or birds, zoo animals, and mice. Graduates may work in settings such as kennels, animal shelters, zoos and circuses. Potential coursework includes courses in keeping records of feedings, treatments, animals received or discharged, and cleaning, disinfecting, and repairing cages and pens.

\*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.

## I. General Education Academic Core

[Curriculum Requirements for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]: 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.

### Animal Systems: Animal Care Management Technology

#### Recommended General Education Academic Core

AAS

Diploma

Certificate

#### Minimum General Education Hours Required:

15 SHC

6 SHC

0 SHC

Courses listed below are recommended general education courses for this curriculum standard. Colleges may choose to include additional or alternative general education courses to meet local curriculum needs.

\*Recommended certificate and diploma level curriculum courses. These courses may not be included in associate degree programs.

#### Communication:

*COM	101	Workplace Communication	3 SHC
COM	110	Introduction to Communication	3 SHC
COM	120	Intro Interpersonal Com	3 SHC
COM	231	Public Speaking	3 SHC
*ENG	101	Applied Communications I	3 SHC
*ENG	102	Applied Communications II	3 SHC
ENG	110	Freshman Composition	3 SHC
ENG	111	Expository Writing	3 SHC
ENG	112	Argument-Based Research	3 SHC
ENG	114	Prof Research & Reporting	3 SHC
ENG	115	Oral Communication	3 SHC
ENG	116	Technical Report Writing	3 SHC

6 SHC

3-6 SHC

Optional

#### Humanities/Fine Arts:

*HUM	101	Values in the Workplace	2 SHC
HUM	110	Technology and Society	3 SHC
HUM	115	Critical Thinking	3 SHC
HUM	230	Leadership Development	3 SHC
PHI	230	Introduction to Logic	3 SHC
PHI	240	Introduction to Ethics	3 SHC

3 SHC

0-3 SHC

Optional

#### Social /Behavioral Sciences:

ECO	151	Survey of Economics	3 SHC
ECO	251	Prin of Microeconomics	3 SHC
GEO	110	Introduction to Geography	3 SHC
GEO	111	World Regional Geography	3 SHC
*PSY	101	Applied Psychology	3 SHC
*PSY	102	Human Relations	2 SHC
PSY	118	Interpersonal Psychology	3 SHC
PSY	135	Group Processes	3 SHC
PSY	150	General Psychology	3 SHC
*SOC	105	Social Relationships	3 SHC
SOC	210	Introduction to Sociology	3 SHC
SOC	215	Group Processes	3 SHC

3 SHC

0-3 SHC

Optional

#### Natural Sciences/Mathematics:

BIO	140	Environmental Biology	3 SHC
BIO	160	Introductory Life Science	3 SHC
*MAT	101	Applied Mathematics I	3 SHC
MAT	110	Mathematical Measurement	3 SHC
MAT	115	Mathematical Models	3 SHC
MAT	120	Geometry and Trigonometry	3 SHC
MAT	121	Algebra/Trigonometry I	3 SHC
MAT	140	Survey of Mathematics	3 SHC
MAT	151	Statistics I	3 SHC

3 SHC

0-3 SHC

Optional

MAT 155	Statistical Analysis	3 SHC			
PHY 110	Conceptual Physics	3 SHC			
PHY 121	Applied Physics I	4 SHC			

**II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning 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. Below is a description of each section under Major Hours.

**A. Technical Core.** The technical core is comprised of specific courses which are required for all Program Majors under this Curriculum Standard. 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 curriculum core courses or core subject area of the AAS program.

**B. Program Major(s).** The Program Major must include a minimum of 12 semester hours credit from required subjects and/or courses. The Program Major is in addition to the technical 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 each prefix listed, with the exception of prefixes listed in the core.

<b>Animal Systems: Animal Care Management Technology</b>	<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. Technical Core:</b> ACM 110 Intro to Animal Care 3 SHC ACM 111 Health Care for Animals 3 SHC ACM 112 Facility Management 3 SHC ACM 113 Animal Handling 3 SHC  <b>B. Program Major(s):</b> <b>Animal Care Management</b> ACM 210 Law Pertaining to Animals 4 SHC ACM 211 Applied Animal Behavior 3 SHC ACM 212 Community Health 3 SHC ACM 213 Euthanasia 3 SHC	<b>25 SHC</b>		
<b>C. Other Major Hours.</b> <i>To be selected from the following prefixes:</i>  ACM, ANS, BIO, BUS, CIS, CJC, COE, CSC, POL, PSY, VET and WBL.  <i>Up to two semester hour credits may be selected from ACA.</i>  <i>Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.</i>			

### III. Other Required Hours

A college may include courses to meet graduation or local employer requirements in a certificate (0-1 SHC), diploma (0-4 SHC), or an associate in applied science (0-7 SHC) 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.

### IV. Employability Competencies

Fundamental competencies that address soft skills vital to employability, personal, and professional success are listed below. Colleges are encouraged to integrate these competencies into the curriculum by embedding appropriate student learning outcomes into one or more courses or through alternative methods.

- A. **Interpersonal Skills and Teamwork** – The ability to work effectively with others, especially to analyze situations, establish priorities, and apply resources for solving problems or accomplishing tasks.
- B. **Communication** – The ability to effectively exchange ideas and information with others through oral, written, or visual means.
- C. **Integrity and Professionalism** – Workplace behaviors that relate to ethical standards, honesty, fairness, respect, responsibility, self-control, criticism and demeanor.
- D. **Problem-solving** – The ability to identify problems and potential causes while developing and implementing practical action plans for solutions.
- E. **Initiative and Dependability** – Workplace behaviors that relate to seeking out new responsibilities, establishing and meeting goals, completing tasks, following directions, complying with rules, and consistent reliability.
- F. **Information processing** – The ability to acquire, evaluate, organize, manage, and interpret information.
- G. **Adaptability and Lifelong Learning** – The ability to learn and apply new knowledge and skills and adapt to changing technologies, methods, processes, work environments, organizational structures and management practices.
- H. **Entrepreneurship** – The knowledge and skills necessary to create opportunities and develop as an employee or self-employed business owner.

*\*An **Employability Skills Resource Toolkit** has been developed by NC-NET for the competencies listed above. Additional information is located at: <http://www.nc-net.info/employability.php>*

*\*\*The North Carolina Career Clusters Guide was developed by the North Carolina Department of Public Instruction and the North Carolina Community College system to link the academic and Career and Technical Education programs at the secondary and postsecondary levels to increase student achievement. Additional information about Career Clusters is located at: [http://www.nc-net.info/NC\\_career\\_clusters\\_guide.php](http://www.nc-net.info/NC_career_clusters_guide.php) or <http://www.careertech.org>.*

*Summary of Required Semester Hour Credits (SHC) for each credential:*

	<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>