

**Applied Animal Science Technology
(A15280)**

Official Program Description registered with the NC Community College System:

The Applied Animal Science Technology curriculum is designed to prepare students for careers in the production, processing and distribution of livestock and poultry and their products according to scientific principles essential to efficient and profitable operation.

Students should learn skills necessary for the operation of efficient and profitable livestock enterprises. Coursework includes production practices, animal health, nutrition, reproduction, and management.

Graduates are qualified for entry-level jobs as herd or flock managers, field service persons, feed salespersons, equipment salespersons, feed mill workers, and buyers of poultry and livestock.

Program Learning Outcomes

The Applied Animal Science Technology curriculum is designed to prepare students for careers in the production, processing, and distribution of livestock and poultry and their products according to scientific principles essential to efficient and profitable operation.

Students enrolled in this program will:

- Demonstrate necessary skills in genetics, reproduction, nutrition, and housing in order to operate efficient and profitable livestock enterprises.
- Identify proper production practices, good animal health, proper animal nutrition, good reproduction and management practices.
- Demonstrate the ability to perform calculations needed in the field, use good communication skills and apply personal computer skills to the agriculture industry.
- Demonstrate a fundamental understanding of the humanities and social sciences as they relate locally, regionally and globally.
- Utilize positive interpersonal skills to interact with individuals from diverse groups.
- Utilize principles of critical thinking to analyze problems that occur in the field and make logical decisions as managers to correct them.

Degree Awarded

The Associate in Applied Science Degree - Applied Animal Science Technology is awarded by the College upon completion of this program.

For More Information

The Applied Animal Science Technology program is in the Applied Technology Division. For more information, call (919) 735-5151, ext. 732 or visit us at our web site at www.waynecc.edu.

Admissions

- A high school diploma or equivalent is required.
- A placement test in English, mathematics, reading, and computer skills are required to determine entry-level courses that match individual needs.
- Students are required to demonstrate competency in MAT 070 through the placement test or course completion with a grade of C or better prior to receiving a degree.

First step to enroll:

Call the Admissions and Records Office at (919) 735-5151, ext. 238.

	Contact Hours	Semester Credit Hours
FIRST SEMESTER		
ACA 111 College Student Success.....	1	1
ANS 110 Animal Science	3	3
ANS 115 Animal Feeds & Nutrition	4	3
BIO 160 Introductory Life Science	4	3
CIS 110 Introduction to Computers	4	3
ENG 111 Expository Writing	3	3
		16
	Contact Hours	Semester Credit Hours

SECOND SEMESTER

AGR 150 Ag-O-Metrics.....	3	3
AGR 170 Soil Science	4	3
ANS 140 Swine Production.....	4	3
COE 110 World of Work	1	1
ENG 114 Professional Research and Reporting	3	3
*Animal Science Elective	3	3
		16

SUMMER TERM

ANS 150 Animal Health Management	3	3
ANS 160 Animal Waste Management.....	3	3
COE 112 Co-op Work Experience I.....	20	2
OR		
COE 111 Co-op Work Experience I.....	10	1
AND		
COE 121 Co-op Work Experience II.....	10	1
		8

THIRD SEMESTER

AGR 110 Agricultural Economics	3	3
ANS 130 Poultry Production	4	3
ANS 141 Swine Herd Management	2	2
ANS 213 Animal Reproduction	4	3
BUS 135 Principles of Supervision	3	3
Social/Behav Science Elective	3	3
		17

FOURTH SEMESTER

ANS 120 Beef Production	4	3
ANS 180 Equine Production	5	4
ANS 210 Livestock Prod Issues.....	3	3
ANS 230 Poultry Management.....	3	3
Humanities/Fine Arts Elective..	3	3
		16
	Total Credit Hours	73

*Select one fo the following Animal Science Electives:

*ACM 111 Health Care for Animals.....	3	3
ANS 170 Sheep and Goat Production ...	4	3