

**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

Upon completion of the Applied Animal Science program, a graduate should be able to:

- Plan an efficient and profitable livestock enterprise.
- Diagnose and treat animal health issues.
- Perform calculations needed in the field of animal science.
- Use computer skills effectively in the animal industry.
- Communicate effectively.

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) 739-6808 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) 739-6720.

| | Contact Hours | Semester Credit Hours |
|---|---------------|-----------------------|
| FIRST SEMESTER | | |
| ACA 111 College Student Success..... | 1 | 1 |
| ANS 110 Animal Science | 3 | 3 |
| ANS 140 Swine Production..... | 4 | 3 |
| BIO 160 Introductory Life Science | 4 | 3 |
| CIS 110 Introduction to Computers | 4 | 3 |
| ENG 111 Expository Writing | 3 | 3 |
| *ANS Elective Option I..... | 4 | 3 |
| | | 16-19 |
| SECOND SEMESTER | | |
| AGR 150 Ag-O-Metrics..... | 3 | 3 |
| AGR 170 Soil Science | 4 | 3 |
| ANS 120 Beef Production | 4 | 3 |
| COE 110 World of Work | 1 | 1 |
| ENG 114 Professional Research and Reporting | 3 | 3 |
| *ANS Elective Option II..... | 4 | 3 |
| | | 13-16 |
| 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 115 | Animal Feeds & Nutrition | 4 | 3 |
| ANS 130 | Poultry Production | 4 | 3 |
| ANS 141 | Swine Herd Management | 2 | 2 |
| BUS 151 | People Skills | 3 | 3 |
| | Social/Behav Science Elective | 3 | 3 |
| | | | 17 |

FOURTH SEMESTER

| | | | |
|---------|---------------------------------|---|-----------|
| ANS 180 | Equine Production | 5 | 4 |
| ANS 210 | Livestock Prod Issues..... | 3 | 3 |
| ANS 213 | Animal Reproduction | 4 | 3 |
| ANS 230 | Poultry Management..... | 3 | 3 |
| | Humanities/Fine Arts Elective.. | 3 | 3 |
| | | | 16 |
| | Total Credit Hours | | 73 |

*Select one of the following Animal Science Elective Options:

Option I

| | | | |
|---------|------------------------------|---|---|
| ACM 111 | Health Care for Animals..... | 3 | 3 |
|---------|------------------------------|---|---|

Option II

| | | | |
|---------|--------------------------------|---|---|
| ANS 170 | Sheep and Goat Production | 4 | 3 |
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