



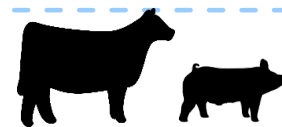
Course Sequence

Career Examples:

- Game Warden
- Veterinarian
- Welder



Agricultural Technology and Mechanical Systems Program of Study



Animal Science Program of Study

0500

Principles of Agriculture, Food, and Natural Resources
[1 Credit]

START HERE!

Business & Industry Endorsement



Agriculture, Food, and Natural Resources



Updated: February 2024

Environmental & Natural Resources Program of Study

Plant Science Program of Study

Agriculture Business, Leadership, and Comm. POS

0502

Agricultural Mechanics & Metal Technologies
[1 Credit]

0509

Equine Science
[.5 Credit]

0511

Small Animal Management
[.5 Credit]

Courses within this section are offered every third year.

0517P & 0176P

Prof. Standards in Agribusiness
[Competition Required] [.5 Credit] & Professional Comm. (Speech) [.5 Credit]

0518

Turf Grass Management
[.5 Credit]

0522

Landscape Design and Management
[.5 Credit]

0519

Wildlife, Fisheries and Ecology Management
[1 Credit]

0508

Agricultural Equipment Design and Fabrication
[1 Credit]

0525 Honors

Advanced Animal Science
[1 Credit]

0504

Livestock Production
[1 Credit]

0521P

Agribusiness Management & Marketing
[Competition Required] [1 Credit]

0530

Project-Based Research
[1 Credit]

0503

Floral Design
[1 Credit]

0530

Project-Based Research
[1 Credit]

0520 & 2520

Agricultural Power Systems
[2 Credits]

0446 CP
0441 Honors

Scientific Research & Design
[1 Credit]

2512

Veterinary Medical Applications
[1 Credit]
[Course Interest Form]

0446 CP
0441 Honors

Scientific Research & Design
[1 Credit]

0523P

Agricultural Leadership, Research, and Communications
[Competition Required] [1 Credit]

0446 CP
0441 Honors

Scientific Research & Design
[1 Credit]

0505

Advanced Floral Design
[1 Credit]

0446 CP
0441 Honors

Scientific Research & Design
[1 Credit]

Project-Based Research course applies to this POS.

Certifications Offered

1. AWS D9.1 (Sheet Metal Welding)
2. AWS D1.1 (Structural Steel)

Project-Based Research course applies to this POS.

1. Feedyard Technician in Cattle Care & Handling
2. Elanco Fundamentals of Animal Science
3. Elanco Veterinary Medical Applications, and Certified Veterinarian Assistant, Level 1

Career Prep I and Practicum in Entrepreneurship courses apply to this POS.

1. TSFA - Floral Skills Knowledge Based Cert.
2. Texas State Floral Association, Level 1

1. Ducks Unlimited Ecology Conservation & Mgt.
- Advanced Course
 Pre-requisite Course Requirement
 CTE Innovative Course