

AGRICULTURE, FOOD, & NATURAL RESOURCES

AG 1 – Animal Science



9TH GRADE

Principles of Agriculture (1)
Quality Counts Verification

10TH GRADE

Small Animal Mgmt (0.5) & Equine Sci (0.5)
*Fear Free Vet, *Equine Mgmt & Eval*

OR

Livestock Production (1)
*TX BQA, *Fundamentals of Animal Sci*

11TH GRADE

***Vet Med Applications (1)**
**Vet Med Appl Cert, *Cert Vet Assist 1*

OR

Livestock Production (1)
*TX BQA, *Fundamentals of Animal Sci*

12TH GRADE

***Advanced Animal Science K (1-sci)**
OR
***Practicum in Agriculture (2)**
Certified Vet Assistant 2

AG 2 – Plant Science



9TH GRADE

Principles of Agriculture (1)
Quality Counts Verification

10TH GRADE

Greenhouse Operation & Production (1)
OR
Floral Design (1-fine arts)
**TSFA Knowledge Based Floral Cert.
TSFA Level I Floral Certification

11TH GRADE

***Advanced Plant & Soil Science K (1-sci)**
**BASF Plant Science Certification*
OR
***Advanced Floral Design (1)**
**TSFA Level II Floral Certification*

12TH GRADE

***Capstone - Plant Science (1)**
**BENZ Principles of Floral Design*
OR
***Practicum in Agriculture (2)**

AG 3 – Agricultural Technology & Mechanical Systems



9TH GRADE

Principles of Agriculture (1)
Quality Counts Verification

10TH GRADE

Ag Mechanics (1)
*OSHA-10hr
AWS D9.1 Sheet Metal Welding

11TH GRADE

***Ag Equipment (1)**
**AWS D1.1 Structural Steel*

12TH GRADE

***Capstone - Ag Mech (1)**
**Additional AWS*
OR
***Practicum in Agriculture (2)**
**Additional AWS*

AG 4 – Environmental & Natural Resources



9TH GRADE

Principles of Agriculture (1)
Quality Counts Verification

10TH GRADE

Wildlife, Fisheries & Ecology Mgmt (1)
*Hunter Safety
Boater Safety
Angler Safety*

11TH GRADE

Forestry & Woodland Ecosystems (1)
**Ducks Unlimited*

12TH GRADE

***Range Ecology Mgmt (1)**
OR
***Practicum in Agriculture (2)**

EXAMPLE OCCUPATIONS

Vet Assistants/Lab Animal Caretaker
Median Wage: \$29,906
Annual Openings: 1,348
10-year Growth: 24%

Vet Technologists/Technicians
Median Wage: \$33,679
Annual Openings: 1,217
10-year Growth: 24%

Veterinarian
Median Wage: \$103,160
Annual Openings: 347
10-year Growth: 26%

EXAMPLE OCCUPATIONS

Pesticide Handlers & Sprayers, Vegetation
Median Wage: \$46,153
Annual Openings: 205
10-year Growth: 17%

Biological Technicians
Median Wage: \$45,787
Annual Openings: 879
10-year Growth: 14%

Farmer & Other Agricultural Manager
Median Wage: \$65,490
Annual Openings: 28,020
10-year Growth: 4%

EXAMPLE OCCUPATIONS

Farm Equipment Mechanic/Tech
Median Wage: \$46,587
Annual Openings: 326
10-year Growth: 23%

Mobile Heavy Equipment Mechanic
Median Wage: \$57,943
Annual Openings: 2,637
10-year Growth: 31%

Farmer & Other Agricultural Manager
Median Wage: \$65,490
Annual Openings: 28,020
10-year Growth: 4%

EXAMPLE OCCUPATIONS

Environmental Engineering Tech
Median Wage: \$48,124
Annual Openings: 186
10-year Growth: 18%

Environmental Scientist/Specialist
Median Wage: \$75,421
Annual Openings: 731
10-year Growth: 25%

Environmental Engineer
Median Wage: \$103,246
Annual Openings: 316
10-year Growth: 18%