

AGRICULTURE, FOOD, & NATURAL RESOURCES

AG 1 – Animal Science

AG 2 – Plant Science

AG 3 – Agricultural Technology & Mechanical Systems

AG 4 – Environmental & Natural Res



9TH GRADE
Principles of Agriculture (1)
Quality Counts Verification

10TH GRADE
Small Animal Mgmt (0.5) & Equine Sci (0.5)
**Equine Mgmt & Eval*
OR
Livestock Production (1)
**Fundamentals of Animal Sci*

11TH GRADE
***Vet Med Applications (1)**
**Vet Med Appl Cert, *Cert Vet Assist 1*
OR
Livestock Production (1)
**Fundamentals of Animal Sci*

12TH GRADE
***Advanced Animal Science K (1-sci)**
OR
***Practicum in Agriculture (2)**
Certified Vet Assistant 2

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)**

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*

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: \$33,581
 Annual Openings: 1,953
 10-year Growth: 24%

Vet Technologists/Technicians
 Median Wage: \$35,698
 Annual Openings: 1,820
 10-year Growth: 24%

Veterinarian
 Median Wage: \$125,030
 Annual Openings: 435
 10-year Growth: 26%

EXAMPLE OCCUPATIONS

Pesticide Handlers & Sprayers, Vegetation
 Median Wage: \$44,570
 Annual Openings: 121
 10-year Growth: 17%

Biological Technicians
 Median Wage: \$47,968
 Annual Openings: 665
 10-year Growth: 14%

Farmer & Other Agricultural Manager
 Median Wage: \$79,064
 Annual Openings: #30,363
 10-year Growth: 4%

EXAMPLE OCCUPATIONS

Farm Equipment Mechanic/Tech
 Median Wage: \$41,258
 Annual Openings: 315
 10-year Growth: 23%

Mobile Heavy Equipment Mechanic
 Median Wage: \$60,005
 Annual Openings: 2,315
 10-year Growth: 31%

Farmer & Other Agricultural Manager
 Median Wage: \$79,064
 Annual Openings: 30363
 10-year Growth: 4%

EXAMPLE OCCUPATIONS

Environmental Engineering Tech
 Median Wage: \$53,997
 Annual Openings: 79
 10-year Growth: 18%

Environmental Scientist/Specialist
 Median Wage: \$79,386
 Annual Openings: 407
 10-year Growth: 25%

Environmental Engineer
 Median Wage: \$114,899
 Annual Openings: 228
 10-year Growth: 18%