Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) career cluster focuses on the essential elements of life, food, water, land, and air. This career cluster includes occupations ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Statewide Program of Study: Agriculture Business, Leadership, and Communications

The Agriculture Business, Leadership, and Communications program of study focuses on occupational and educational opportunities associated with farming and agriculturally related businesses that supply farm inputs, such as machinery and seeds. This program of study includes exploration of farm product marketing, the purchase of farm products either for processing or resale, and the process of grading or classifying unprocessed food or other agricultural products.

Secondary Courses for High School Credit

Level 1	• Principles of Agriculture, Food, and Natural Resources **(13000200)**
Level 2	• Professional Standards in Agribusiness **(13000800)**
Level 3	• Agribusiness Management and Marketing **(13000900)** OR • Agricultural Leadership, Research, and Communications **(13000950)**
Level 4	• Mathematical Applications in Agriculture, Food, and Natural Resources **(1300100)**

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow Extension Agents • Shadow Agricultural Loan Officers
Expanded Learning Opportunities	• Participate in an FFA career, leadership, and speaking contest like an agriscience fair

Aligned Industry-Based Certifications

- Entrepreneurship and Small Business

Example Postsecondary Opportunities

Associate Degrees
- Accounting
- Agribusiness

Bachelor's Degrees
- Agriculture Economics
- Agribusiness

Master's, Doctoral, and Professional Degrees
- Accounting
- Applied Economics

Additional Stackable IBCs/License
- Accredited Farm Manager

Example Aligned Occupations

Loan Interviewers and Clerks
Median Wage: $47,102
Annual Openings: 2,465
10-Year Growth: 10%

Loan Officers
Median Wage: $65,851
Annual Openings: 2,508
10-Year Growth: 14%

Farmers, Ranchers, and Other Agricultural Managers
Median Wage: $79,064
Annual Openings: 30,363
10-Year Growth: 4%

Agriculture Business, Leadership, and Communications