



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 (1 credit)**
 - 1101CT; 9-12 grade
 - 1 semester at Ben Barber
 - **Professional Communications (.5 credit)**
 - 2246; 9-12 grade
 - 1 semester at Home Campus

- Level 2**
- **Entrepreneurship (1 credit)**
 - 1720CT or 1720A/B; 9-12 grade
 - 1 semester at Ben Barber or 2 semesters at Home Campus
 - **Entrepreneurship and Small Business Certification Possible**

- Level 3**
- **Agribusiness Management and Marketing (1 credit)**
 - 1117CT; 10-12 grade
 - 1 semester at Ben Barber
 - *Prerequisite: Principles of Agriculture, Food, and Natural Resources*
 - **Entrepreneurship and Small Business Certification Possible**

- Level 4**
- **Practicum in Agriculture, Food, and Natural Resources (2 credits)**
 - 1135CA/CB; 11-12 grade
 - 2 semesters at Ben Barber
 - *Prerequisite: Students must successfully complete a Level 1 or 2 AND a Level 3 or 4 course to take a Practicum course. Selection Process.*
 - **Agriculture Leadership (1 credit)**
 - 1137CT; 10-12 grade
 - 1 semester at Ben Barber
 - *Prerequisite: Agribusiness Management and Marketing*



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: \$46,572
Annual Openings: 2,307
10-Year Growth: 10%

Loan Officers

Median Wage: \$66,285
Annual Openings: 2,261
10-Year Growth: 14%

Farmers, Ranchers, and Other Agricultural Managers

Median Wage: \$65,490
Annual Openings: 28,020
10-Year Growth: 4%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>