

# 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 a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

## Agribusiness Statewide Program of Study



The Agribusiness program of study explores the occupations and educational opportunities associated with the business of farming and agriculturally related business that supplies farm inputs, such as machinery and seeds. This program of study may also include exploration into the marketing of farm products, the purchase of farm products either for further processing or resale and grading or classifying unprocessed food or other agricultural products.

### Sharyland ISD

#### Secondary Courses for High School Credit

##### Level 1

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

##### Level 2

- Professional Standards in Agribusiness [.5 Credit]
- Professional Communications [.5 Credit]

##### Level 3

- Agribusiness Management and Marketing [1 credit] **(Advanced Course)**

##### Level 4

- Agricultural Leadership, Research, and Communications [1 credit] **(Advanced Course)**
- Career Preparation I [2 credits] **(Advanced Course)**

#### Postsecondary Opportunities

##### Associates Degrees

- Agricultural Business and Management, General
- Banking and Financial Support Services
- Advertising
- Marketing/ Marketing Management, General

##### Bachelor's Degrees

- Agricultural Business and Management, General
- Finance, General
- Financial Mathematics
- Marketing/ Marketing Management, General

##### Master's, Doctoral, and Professional Degrees

- Agricultural Business and Management, General
- Finance, General
- Financial Mathematics
- Marketing/ Marketing Management, General

#### Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"><li>Tour a farm machinery products company</li><li>Participate in Texas FFA</li></ul>	<ul style="list-style-type: none"><li>Intern with a farm machinery products company</li><li>Work on a farm or ranch</li></ul>

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#### Industry-Based Certifications

None



#### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Farmers, Ranchers, and Other Agricultural Managers	\$59,134	405	9%
Farm and Ranch Loan Officers	\$45,594	268	25%
Buyers and Purchasing Agents, Farm Products	\$46,488	268	20%

Successful completion of the Agribusiness program of study will fulfill requirements of the Business and Industry Endorsement. Revised – August 2022

# Agribusiness

## Course Information

### Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Agriculture, Food, and Natural Resources	13000200 (1 credit)	None	None

### Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Professional Standards in Agribusiness	13000800 (.5 credit)	None	None
Professional Communications	13009900 (.5 credit)	None	None

### Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Agribusiness Management and Marketing	13000900 (1 credit)	None	None

### Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Agricultural Leadership, Research, and Communications	N1300266 (1 credit)	One credit from courses in the Agriculture, Food, and Natural Resources Career Cluster	None
Career Preparation I	12701305 (3 credits)	None	None

FOR ADDITIONAL INFORMATION ON THE AGRICULTURE, FOOD, AND NATURAL RESOURCE CAREER CLUSTER,  
PLEASE CONTACT:

**Your Junior High or High School Counselor**

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