



## Introduction to AFNR

Career Cluster	Agriculture, Food and Natural Resources
Course Code	18001
Prerequisite(s)	None
Credit	0.5 or 1.0 credit
Program of Study and Sequence	Foundation Course – Introduction to Agriculture, Food & Natural Resources – Pathway Course - Capstone
Student Organization	National FFA Organization
Coordinating Work-Based Learning	Job shadowing, mentoring, internships, entrepreneurships, service learning, workplace tours, apprenticeship, school-based enterprises, Supervised Agricultural Experience (SAE)
Industry Certifications	OSHA 10 Hour Safety Certification (Agricultural, Construction Industry, or General Industry), National Career Readiness Certificate (NCRC)
Dual Credit or Dual Enrollment	<a href="https://sdmylife.com/images/Approved-CTE-Dual-Credit.pdf">https://sdmylife.com/images/Approved-CTE-Dual-Credit.pdf</a>
Teacher Certification	Agriculture Food and Natural Resources Cluster Endorsement; *Agriculture Education
Resources	

### Course Description

This course allows students to study a variety of agricultural topics across the six Agriculture, Food, and Natural Resources pathways including natural resources, animal and plant science, food products and process systems, and agribusiness. It serves as an introduction to much of the coursework included within the AFNR cluster. Classroom and laboratory content may be enhanced by utilizing appropriate equipment and technology. Algebra, biology, English and human relations skills will be reinforced in the course. Application of clinical and leadership skills are provided by participating in activities, conferences, and skills competitions such as the Career Development Events and proficiency awards. Each student will be expected to maintain a Supervised Agricultural Experience (SAE).

### Program of Study Application

Introduction to Agriculture, Food & Natural Resources is a cluster course in the Agriculture, Food and Natural Resources cluster. Introduction to Agriculture, Food & Natural Resources would be preceded by a foundation course and would prepare a student to take a first-level course in any of the Agriculture, Food and Natural Resources pathways.

## Course Standards

### ITA 1: Examine the role of FFA in agricultural education programs.

<i>Webb Level</i>	<i>Sub-indicator</i>
One Recall	ITA 1.1 Summarize the history, organization, and traditions of FFA.
One Recall	ITA 1.2 Explore opportunities in FFA.
Two Skill/Concept	ITA 1.3 Demonstrate proper use of parliamentary procedure.

### ITA 2: Describe the types of Supervised Agricultural Experiences.

<i>Webb Level</i>	<i>Sub-indicator</i>
One Recall	ITA 2.1 Evaluate the benefits and types of SAE programs.
Three Strategic Thinking	ITA 2.2 Develop a plan and maintain SAE records.

### ITA 3: Discuss the concept of natural resources.

<i>Webb Level</i>	<i>Sub-indicator</i>
Two Skill/Concept	ITA 3.1 Classify different types of natural resources to enable protection, conservation, enhancement, and management in a particular geographical region.
One Recall	ITA 3.2 Explore South Dakota fish and wildlife species and investigate their ecological needs.
Two Skill/Concept	ITA 3.3 Explain human interaction with natural resources, fish, and wildlife.

### ITA 4: Describe the animal science industry.

<i>Webb Level</i>	<i>Sub-indicator</i>
One Recall	ITA 4.1 Examine the large and small animal science industries.
Two Skill/Concept	ITA 4.2 Analyze historic and current trends impacting the animal science industry.

### ITA 5: Describe plant science industry.

<i>Webb Level</i>	<i>Sub-indicator</i>
One Recall	ITA 5.1 Examine the plant science and horticulture industries.
Two Skill/Concept	ITA 5.2 Analyze historic and current trends impacting the plant science and horticulture industries.

### ITA 6: Summarize basic agricultural business principles.

<i>Webb Level</i>	<i>Sub-indicator</i>
Two Skill/Concept	ITA 6.1 Investigate various principles and concepts in different AFNR businesses.

**ITA 7: Explore food products and process systems industry.**

<i>Webb Level</i>	<i>Sub-indicator</i>
One Recall	ITA 7.1 Illustrate how raw commodities become table-ready food products.
One Recall	ITA 7.2 Explain basic food safety principles.

**ITA 8: Use basic principles of agricultural power, structural, and technical systems technology.**

<i>Webb Level</i>	<i>Sub-indicator</i>
Two Skill/Concept	ITA 8.1 Explore basic principles involved in agricultural power, structural, and technical systems technology.
Two Skill/Concept	ITA 8.2 Understand, demonstrate, and use proper safety procedures and equipment.

**ITA 9: Develop employability skills related to the AFNR cluster.**

<i>Webb Level</i>	<i>Sub-indicator</i>
Two Skill/Concept	ITA 9.1 Develop soft skills to enhance employability.