

AGRICULTURE, FOOD, AND NATURAL RESOURCES CAREER CLUSTER

Preparations that can add this Endorsement:

Preparation	Pedagogy		CTE Methods		Test		Coursework
Early Childhood Preparation	X	AND	X	AND	X	OR	X
Elementary Preparation	X	AND	X	AND	X	OR	X
Secondary Preparation			X	AND	X	OR	X
CTE Preparation					X	OR	X
K-12 Preparation			X	AND	X	OR	X
Early Childhood SPED Preparation	X	AND	X	AND	X	OR	X
K-12 SPED Preparation			X	AND	X	OR	X

State-Designated Pedagogy Requirements (*Effective July 1, 2019*):

- 7-12 PLT; or
- Practicum, internship, or student teaching 7-12; or
- 2 years of verified teaching experience in a 7-12 setting

Coursework Requirements:

15 Semester hours of coursework

- **2 or more credits in each of the following:**
 - Power, structural, and technical systems
 - Plant systems
 - Animal systems
 - Agribusiness systems
- 1 or more credits in each of the following:
 - Natural resources/environmental service systems
 - Food products and processing systems
- The remaining 5 credits may include any of the previous areas

State-Designated Test Requirements:

Test #	Test Name	Cut Score	Effective Date
5701	Agriculture	147	09/01/2014

Assignment Codes:

Code	Assignment Description
03003	Environmental Science
12053	Entrepreneurship
18000	MS Agriculture, Food, and Natural Resources
18001	Intro to Ag, Food, and Natural Resources
18051	Fundamental Plant Science
18052	Fundamental Horticulture
18053	Advanced Horticulture

18101	Fundamental Animal Science
18102	Companion Animals
18107	Advanced Animal Science
18201	Agribusiness Sales & Marketing
18202	Agribusiness Management
18203	Ag Leadership and Communications
18302	Ag Processing Technology
18305	Food Science
18308	Agriculture Biotechnology
18401	Fundamental Ag Mechanical Technologies
18402	Ag Systems Technology
18403	Fundamental Ag Structures Technology
18404	Ag Metal Fabrication Technology
18407	Advanced Ag Structures Technology
18501	Wildlife and Fisheries
18502	Advanced Plant Science
18504	Fundamental Natural Resources
18507	Advanced Natural Resources
21014	Bioprocess Engineering
22101	Leadership & Service
22104	Service Learning
22151	Career Exploration
22152	Employability
80018	Youth Internship
80019	Senior Experience
80020	Youth Apprenticeship
80026	Entrepreneurship Experience