

AGRICULTURE, FOOD, AND NATURAL RESOURCES CAREER CLUSTER

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 |

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 |

Assignment Codes:

| Code | Assignment Description |
|-------|---|
| 18407 | Advanced Ag Structures Technology |
| 18107 | Advanced Animal Science |
| 18053 | Advanced Horticulture |
| 18507 | Advanced Natural Resources |
| 18057 | Advanced Plant Science |
| 18201 | Ag Business Sales |
| 18404 | Ag Metal Fabrication Technology |
| 18402 | Ag Power Technology |
| 18302 | Ag Processing Technology |
| 18202 | Agribusiness Entrepreneurship |
| 18308 | Agriculture Biotechnology |
| 18205 | Agriculture Communications |
| 18310 | Agriscience |
| 21014 | Bioprocess Engineering |
| 18102 | Companion Animals |
| 12053 | Entrepreneurship |
| 03003 | Environmental Science |
| 18059 | Floriculture |
| 18305 | Food Science |
| 18401 | Fundamental Ag Mechanics |
| 18403 | Fundamental Ag Structures Technology |
| 18101 | Fundamental Animal Science |
| 18051 | Fundamental Plant Science |
| 18058 | Greenhouse Management |
| 18052 | Horticulture |
| 18001 | Intro to Ag, Food, and Natural Resources |
| 18054 | Landscape, Design, and Maintenance |
| 18203 | Leadership and Personal Development |
| 18000 | MS Agriculture, Food, and Natural Resources |
| 18504 | Natural Resources |
| 18501 | Wildlife and Fisheries |