

Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) career cluster focuses on the essential elements of life: 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: Environmental and Natural Resources

The Environmental and Natural Resources program of study focuses on occupational and educational opportunities associated with the research, design, and engineering of plans for prevention and control of environmental hazards. This program of study includes conducting research for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population.

Secondary Courses for High School Credit

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|---------|---|
| Level 1 | <ul style="list-style-type: none"> ‡ Principles of Agriculture, Food, and Natural Resources |
| Level 2 | <ul style="list-style-type: none"> ‡ Beekeeping and Honey Processing ‡ Wildlife, Fisheries, and Ecology Management ‡ Wildlife, Fisheries, and Ecology Management + Agricultural Laboratory and Field Experience ‡ Forestry and Woodland Ecosystems ‡ Forestry and Woodland Ecosystems + Agricultural Laboratory and Field Experience |
| Level 3 | <ul style="list-style-type: none"> ‡ Energy and Natural Resource Technology ‡ Energy and Natural Resource Technology + Agricultural Laboratory and Field Experience ‡ Range Ecology and Management ‡ Range Ecology and Management + Agricultural Laboratory and Field Experience ‡ Conservation and Natural Resources Management (TBD) |
| Level 4 | <ul style="list-style-type: none"> ‡ Advanced Energy and Natural Resource Technology ‡ Advanced Energy and Natural Resource Technology + Agricultural Laboratory and Field Experience ‡ Career and Technical Education Project-Based Capstone ‡ Analytical |




Agriculture, Food, and Natural Resources Career Cluster






Statewide Program of Study Environmental and Natural Resources

Course Information


Level 1

| Course | Prerequisites | Corequisites | Career Clusters |
|--|--|--------------|--|
| Principles of Agriculture, Food, and Natural Resources* 13000200 (1 credit) | Prerequisites:None Corequisites:None Recommended Prerequisite:None Recommended Corequisite:None | | 1. Agriculture, Food, and Natural Resources  |

Level 2

| Course | Prerequisites | Corequisites | Career Clusters |
|--|--|--------------|--|
| Beekeeping and Honey Processing N1300273 (1 credit) | Prerequisites:None Corequisites:None Recommended Prerequisite:Principles of AFNR Recommended Corequisite:None | | 1. Agriculture, Food, and Natural Resources  |
| Wildlife, Fisheries, and Ecology Management 13001500(1 credit) | Prerequisites:None Corequisites:None Recommended Prerequisite:None Recommended Corequisite:None | |  |
| Wildlife, Fisheries, and Ecology Management + Agricultural Laboratory and Field Experience 13001510 (2 credits) | Prerequisites:None Corequisites:None Recommended Prerequisite:None Recommended Corequisite:None | | 1. Agriculture, Food, and Natural Resources  |
| Forestry and Woodland Ecosystems 13001700(1 credit) | Prerequisites:None Corequisites:None Recommended Prerequisite:None Recommended Corequisite:None | |  |
| Forestry and Woodland Ecosystems + Agricultural Laboratory and Field Experience 13001710 (2 credits) | Prerequisites:None Corequisites:None Recommended Prerequisite:None Recommended Corequisite:None | | 1. Agriculture, Food, and Natural Resources  |

Level 3

| Course | Prerequisites | Corequisites | Career Clusters |
|---|---|--------------|--|
| Energy and Natural Resource Technology 13001100 (1 credit) | Prerequisites:None Corequisites:None Recommended Prerequisite:A minimum of one credit from the courses in the AFNR career cluster Recommended Corequisite:None | | 1. Agriculture, Food, and Natural Resources   |

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* Indicates course is included in more than one program of study.

For additional information on the Agriculture, Food, and Natural Resources career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



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Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: **Environmental and Natural Resources**


Course Information

Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: Environmental and Natural Resources

Course Information

Level 4

| Course | Prerequisites Corequisites | Career Clusters |
|---|--|---|
| Career and Technical Education Project-Based Capstone* First Time Taken: 12701101 (1 credit) | Prerequisites:None Corequisites:None Recommended Prerequisite:None Recommended Corequisite:None |  |
| Practicum in Agriculture, Food, and Natural Resources* First Time Taken: 13002500 (2 credits) Second Time Taken: 13002510 (2 credits) | Prerequisites:None Corequisites:None Recommended Prerequisite:A minimum | |