

AGRICULTURE, FOOD, AND NATURAL RESOURCES

BUSINESS AND INDUSTRY

ENVIRONMENTAL AND NATURAL RESOURCES

PROGRAM OF STUDY

The Environmental and Natural Resources program of study explores the occupations and educational opportunities associated with the research, design, and planning of engineering or technical duties in the prevention and control of environmental hazards. This program of study may also include exploration into 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.

Texas Data: Collected by TEA October 2019

INDUSTRY-BASED CERTIFICATION OPPORTUNITIES	
Hunter Education (Texas Park and Wildlife); Boater Education (Texas Park and Wildlife)	

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Environmental Engineering Technicians	\$53,352	101	32%
Environmental Engineers	\$86,757	288	25%
Environmental Science and Protection Technicians, Including Health	\$40,268	508	17%
Environmental Scientists and Specialists, Including Health	\$77,896	644	24%
Zoologists and Wildlife Biologists	\$67,309	45	32%



RECOMMENDED COURSE SEQUENCE

- 1 LEVEL** Principles of Agriculture, Food, and Natural Resources
- 2 LEVEL** Wildlife, Fisheries and Ecology Management
- 3 LEVEL** Energy and Natural Resources
- 4 LEVEL** Practicum in Agriculture, Food, and Natural Resources: Environmental and Natural Energy

NOTE: See reverse for additional course sequence options and endorsement requirements. Course descriptions and details can be found in the course catalog.

WORK-BASED LEARNING EXPERIENCES
Guest Speakers/Trainers; Field Trips; Community Project Opportunities; Internships.

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
FFA; National Technical Honor Society (NTHS); Fishing Club (Participating Campuses)



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.

Non-Discrimination Statement

It is the policy of Leander ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its Career and Technology Education Programs, services, or activities. Leander ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs. Es norma de Leander ISD de no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales. Leander ISD tomará las medidas necesarias para asegurar que la falta de habilidad en el uso de la lengua inglés no sea un obstáculo para la admisión o participación en todos los programas educativos y vocacionales.

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A student may earn a Business and Industry endorsement by completing foundation and general endorsement requirements. Endorsement course options for the Environmental and Natural Resources program of study are listed below.



4 CREDITS REQUIRED

Required Courses:

- Wildlife, Fisheries and Ecology Management
- Energy and Natural Resources

Choose additional credits from the following:

- Principles of Agriculture, Food and Natural Resources
- Practicum in Agriculture, Food and Natural Resources
- Natural Resources: Environmental and Natural Resources
- Horticulture
- Small Animal Management/Equine Science
- Professional Communications or Entrepreneurship
- Career Preparation
- Project-Based Research

INDUSTRY-BASED CERTIFICATION OPPORTUNITIES

Hunter Education certification covers the core competencies of firearm and hunting safety, hunting ethics and wildlife conservation.

Boater Education certification covers safety and operating competencies for those who wish to operate certain vessels on the public waterways of Texas.

NOTES:
