



ENVIRONMENTAL FIELD STUDIES

Course Description:

Environmental Field Studies is a course designed to prepare students for careers in the environmental science field. Students will engage in the scientific method by designing experiments, collecting data in field and laboratory settings, and analyzing and reporting the results. In this program you will explore through both project-based and service learning modules.

- This unique class differs from an AP Environmental Science class because it integrates reading, writing, art, and science. This course is **STREAM*** education at its finest!
- Sustainability is a priority in and out of the classroom such as zero-waste, reusable water bottles, *Leave No Trace Wilderness Ethics*, and more.
- Work/learn in outdoor environment, including frequent hikes to field sites; Outdoor shoes/boots and clothing for working outdoors in all weather is recommended.

*STREAM = Science, Technology, Reading/writing, Engineering, Arts and Math

High School Credit: Students will earn elective credit at their high school upon completion of this course. Please see a high school counselor (based on district decision) for eligibility towards 4th-year math-related credit, VPAA credit, and waived credits for third year science and second year world language.

College Credit: Grand Valley State University—NRM 3-Credits



Careerline
Tech Center

Students who would benefit from this program are those who enjoy working in the outdoors, value environmental conservation, and who like to learn outside the structure of a classroom.

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LENGTH OF PROGRAM

1 year

Instructor:

Avril Wiers
awiers@oaisd.org

ParaPro:

Kayleen Keatley
kkeatley@oaisd.org

Related Careers with 2021 Median Annual Pay from O*Net

■ Biologist	\$82,530
■ Env. Research Assistant	\$48,390
■ Forester	\$64,110
■ Ecologist	\$34,260
■ Environmental Scientist	\$76,530
■ And many more	

Experience the CTE Difference!



TO ENROLL

bit.ly/CTCenroll



QUESTIONS?

Contact Jannette Bole
jbole@oaisd.org



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Careerline Tech Center

13663 Port Sheldon Street | Holland | 616-738-8950

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Course Outline:

1st Semester: Wilderness First Aid; Leave No Trace Wilderness Ethics; Water Quality; Soils; Botany; Forestry; Ornithology; Herpetology; Mammalogy; Limnology; and Ichthyology & Fisheries

2nd Semester: GIS; Waste Management; Renewable Energy; Public Policy; Conservation Biology; Green Infrastructure; Fire Ecology; Biodiversity; Entomology; Invasive Species

Resources Used:

Textbook: "Environmental Science: Sustaining Our World"; ArcGIS; Garmin GPS; Pigeon River Watershed Management Plan

Postsecondary Partners:

Grand Valley State University; Lake Superior State University

Work-Based Learning: All students at CTC have the opportunity to participate in experiences (such as guest speakers, tours, and work experiences) that connect them with local employers in their program area.

WBL Partners: Ottawa County Parks and Recreation, Ottawa County, Outdoor Discovery Center, USDA, and NRCS.

Safety Trainings Provided In: SOLO Wilderness First Aid; CPR; *Leave No Trace Wilderness Ethics*

Student Leadership Opportunities: Students can participate in activities with classmates and outside community partners to strengthen their leadership skills through service-based and project-based learning modules, and fundraising through Outdoor Adventure Club.

Offsite Delivery: Adopted Port Sheldon Natural Area in partnership with Ottawa County Parks and Recreation.

Capstone: Upon course completion and with teacher recommendation, qualifying students may extend their learning through Capstone. This highly independent course has rigorous attendance and employability requirements. Enrollment starts in May. See your work-based learning coordinator for more information.