

Barnegat Bay Field Station July 9-15, 2023 | \$2,200

Drexel Environmental Science Leadership Academy



DREXEL UNIVERSITY
College of
Arts and Sciences



Overview

The **Drexel Environmental Science Leadership Academy (DESLA)** takes place at the Barnegat Bay Field Station situated on 194 acres of land with a wide range of habitats available for education and research including a maritime forest, salt marsh, tidal streams and a freshwater impoundment. Students gain hands-on field experience across a range of research areas: local community habitats and environments; beach, marsh, and Pine Barren ecology; botany and lake ecology; and geology and paleontology. Students will learn what it means to be an environmental scientist and what it takes to be a leader in this rapidly growing field. The DESLA staff on this adventure are all-star Drexel professors from the [Department of Biodiversity, Earth and Environmental Science \(BEES\)](#) and expert scientists from the [Academy of Natural Sciences of Drexel University](#), America's oldest natural history museum, located in Philadelphia, PA.



Owned by the New Jersey Department of Environmental Protection, the Barnegat Bay Field Station in Waretown, New Jersey is situated on 194 acres that encompass a range of habitats including a maritime forest, salt marsh, tidal streams, and a freshwater pond.

Program Details

DATES/TIME	July 9-15
LOCATION	Waretown, New Jersey
FORMAT	Room, board, and most meals are included in program cost. Students are responsible for transportation to/from the program site at the start and end of the program.
COSTS	\$2,200
ELIGIBILITY	Rising high school sophomores, juniors and seniors.
DEADLINE	April 30, 2023
QUESTIONS?	Email desla@drexel.edu
SCHOLARSHIPS	A limited number of need-based scholarships are available for students accepted to one of the DESLA programs. See application for more details.
FEE WAIVER	Participants who apply to Drexel University will receive an undergraduate application fee waiver.

SAMPLE SCHEDULE – July 9-15, 2023

Program content and sequence may change due to weather, staff schedules or other circumstances.

Day 1

- Arrival and Check-in at Lighthouse Center
- Student Introductions and Orientation
- Introduction to the Pine Barrens
- Evening Program: Mock Town Meeting – Ecological Services in the Barnegat Bay Watershed

Day 2

- All Day Canoe Trip in the Pine Barrens
- Estuarine Ecology and Barnegat Bay
- Evening Program – Night Hikes

Days 3 and 4

- Estuarine Studies – There will be four estuarine programs; student groups will participate in two per day.
 - Barnegat Bay Boat Trip
 - Salt Marsh Ecology
 - Estuarine Fish and Seining
 - Beach Profiling
- Evening Program: Staff Presentation, Country Dance, Frogs and Toads of the Pine Barrens

Day 5

- Warren Grove – Terrestrial Studies in the Pine Barrens
- Tour and Introduction to Pinelands Preservation Alliance
- Evening Program – Shorebird Conservation and Citizen Science
- Wildlife Counts Competition

Day 6

- Day Trip to North Brigantine Beach
- Shorebird Count and Disturbance Study
- Free time at the beach
- Evening Program – Evening with Algae and Invertebrates

Day 7

- GPS Course at the Lighthouse Center and/or Maritime Forest Studies
- Pack, Room Prep, Clean Up
- Picnic Lunch with Parents/Families
- Closing Program and Departure

