



# NATURAL SCIENCES

AT CAPE TECH

## ABOUT THE PROGRAM

Natural Science focuses on the application of biological, chemical and physical principles of the physical environment and the species that inhabit it. In this program, students learn a wide variety of topics, through lab and field work, in the areas of general ecology, marine biology, oceanography, commercial and sport-fisheries, upland ecology, aquaculture studies and much more. Students will participate in activities including marine and ecological studies, aquaculture projects, water analysis, boater's safety, wildlife and fisheries projects and involvement in the National FFA Organization. By the end of this program, students will have successfully completed and attained their NJ Boaters Safety Certificate (pending exam results).

## STUDENTS WILL

- Learn outside of a traditional classroom within the waterways, marshes, greenhouses and grow out ponds.
- Develop research skills by analyzing animal patterns through utilization of various technologies.
- Participate in many cross disciplinary projects.
- Learn and gain knowledge to complete and attain their NJ Boaters Safety Certificate.
- Gain skills of handling a boat and safely running a commercial fishing operation.
- Observe wildlife species and birds and learn how to feed/observe the natural wildlife while maintaining ecological balance.
- Have the opportunity to join the National FFA Organization and become involved in events, meetings, fundraisers and competitions.
- Receive dual credit from post-secondary institutions.

## CAREER PATHWAYS

INDUSTRIAL ECOLOGISTS // CONSERVATION SCIENTISTS // NATURAL SCIENCE MANAGER // PARK NATURALISTS // FOREST & CONSERVATION TECHNICIANS // FISHERIES OBSERVER // WILDLIFE BIOLOGIST // VETERINARY TECHNICIAN