

ENVIRONMENTAL SCIENCE

The Environmental Science program is intended for science-oriented and/or environmentally motivated students who plan to attend a four-year college or university immediately after high school. The program offers students a variety of interesting and challenging educational opportunities in physical and life sciences. Along with learning key scientific concepts the students will also be actively involved with hands-on laboratory investigations and outdoor experiences.



Program Skills & Certifications:

- Soil & water testing protocol
- Chemical lab techniques
- Gathering and analyzing scientific data
- PowerPoint presentations
- College level research techniques
- Professional scientific lab reporting
- Public speaking
- Experiment development
- Identification skills (soil, minerals, plant & animal life)



Internships:

Include, but are not limited to: Irvine Nature Center, Columbus Center, Maryland Department of the Environment, Chesapeake Bay Foundation, Maryland Department of Natural Resources, local hospitals and pharmacies, local veterinary hospitals.

Articulation with CCBC:

Various science courses are available to the environmental science students.

Information about the Program:

Students are required to complete at least **eight (8)** science credits.

Graduates from this program have gone on to various colleges to study: environmental science, biology, chemistry, physics, engineering, medicine, forensics, oceanography, public policy, and pharmaceuticals, to name a few.

ENVIRONMENTAL SCIENCE

Content Area	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English	English 9	English 10	English 11	English 12
Math	Algebra I	Algebra II	Geometry	College Readiness Math or Trig with Algebra
	Honors Algebra II	Honors Geometry	Pre Calculus or Trig/Analyt	AP Calculus I/II or College Algebra
	Honors Algebra II and Honors Geometry or G & T Geometry	Precalculus or Trig/Analyt	AP Calculus I/II or College Algebra	AP Calculus II or AP Statistics
Science	Biology	Chemistry	Physics or Earth Science	Science Elective
Social Studies	American Government	World History	US History	EPI (.5 cr)
Graduation Requirements	Introduction to Engineering & Technology Concepts (IETC) (1 cr)	Fine Arts	Health (.5 cr)	AP Sciences or Oceanography or Anatomy and Physiology or Microbiology or Projects (physics applications) or Forensics
Program Classes	Ecology	Zoology	Advanced Placement Environmental Science	
Requirements/ Electives	Physical Education	Foreign Lang. or Elective	Foreign Lang. or Elective	

See page 31 for admission criteria!