

Cape Fear Academy of Natural Science
Applications for fall admission are due by May 22, 2020

Program Features

Academy students are required to successfully complete at least seven science classes upon graduation. Students must maintain a 3.0 un-weighted grade point average in these science classes and an overall 2.7 un-weighted grade point average. Students must maintain a clean disciplinary file and pay \$32 dues annually. **It is recommended, but not required,** that each student in the academy **take Biology, Chemistry, Earth/Environmental Science or AP Environmental Science, Physics** and then **choose three additional science** courses.

Course Options

The CFHS Science Department offers the following standard and honors classes yearly: Biology, Chemistry, Physics (honors only), Anatomy & Physiology (honors only), Earth/Environmental Science, Physical Science (standard only). We offer the following AP courses yearly: AP Chemistry, AP Biology, AP Environmental Science. Some Honors science courses are offered as part of the Natural Science Academy on an every-other-year basis: Zoology, **Geology, Marine Science, and Research** (courses available 2020-2021 are in bold font). Science courses offered through CCS Teleconferencing are also an option for academy students.

Students may substitute a maximum of TWO science credits from the CFHS CTE department or by completing one of the listed FTCC Career and Technical Pathways or one of the SCC CCP Animal Science Courses

CFHS CTE Department HONORS courses: Horticulture II, Environmental & Natural Resources II, Animal Science 1 & II, Health Science I, II & Nursing Fundamentals

FTCC Career & Technical Pathways: Civil Engineering Technology, Emergency Medical Science, Fire Protection Technology, Green Sustainable Science, Health & Fitness Science, Medical Billing & Coding, Mobile App Development, Network Defense, Nurse Aide, Intro to Photovoltaic Systems, or Simulation & Game Development

SCC Career & College Promise Program: Animal Science (ANS 110), Animal Feeds & Nutrition (ANS 115), Swine Production (ANS 140), or Animal Science Health Management (ANS 150)

FTCC offers college level science classes: **Biology I, Chemistry I, and Chemistry II** (which also count toward our seven-science requirement)

Suggested List of Classes – The following is a *suggested* list of science courses per grade level. Students have several options once they complete chemistry.

Grade Level	9 th graders enrolled in Math II Honors	
9 th	Earth Science Honors	Biology Honors 9 th graders enrolled in Math II Honors are encouraged to enroll in Biology Honors; if they are a science academy student, they may also enroll in Earth Science Honors
10 th	Chemistry Honors	Choose from available courses: Anatomy & Physiology, Geology, Marine Science, Research, or Zoology Juniors & Seniors may choose FTCC science courses: or complete an FTCC Career & Technical Pathway or SCC CCP Course
11 th	AP Environmental	
12 th	AP Physics or Physics Honors	

Grade Level	9 th graders enrolled in Math I or II	
9 th	Earth Science/Earth Science Honors	
10 th	Biology/Biology Honors	Physical Science
11 th	Chemistry/Chemistry Honors	Choose from Anatomy & Physiology, Geology, Marine Science, or Zoology
12 th	Physics/Physics Honors	Juniors & Seniors may choose FTCC science courses or complete an FTCC Career & Technical Pathway or SCC CCP Course

How to Apply

Complete the application, write an essay, get two recommendation forms completed by your math and science teachers, a transcript from the guidance office, and make a copy of your most recent report card. All of this should be turned in to Mrs. Danks (Room 234) by **May 22, 2020**

Contact Information

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CFHS Course Enrollment Requirements

- **Earth Science Honors co-requisite:** Math 1
- **Biology Honors co-requisite:** Math II Honors
- **Physical Science pre-requisite:** Math 1
- **Chemistry Honors co-requisite:** Math III Honors; **pre-requisites:** 90 in Math I, 85 in Math II, 85 in Biology
- **Chemistry Standard co-requisite:** Math III; **pre-requisites:** 80 in Math I, 77 in Math II, 77 in Biology
- **Anatomy & Physiology Honors pre-requisites:** 80 in Biology, 80 in Chemistry
- **Physics Honors pre-requisite:** 85 in Math III
- **Geology Honors pre-requisites:** 85 in Earth/Environmental Science & 85 in Biology; **co-requisite:** Chemistry
- **Marine Science Honors pre-requisite:** 85 in Biology; **co-requisite:** Chemistry
- **Research in Science Honors pre-requisites:** Earth/Environmental, 85 in Biology, 85 in Chemistry, *and Chemistry Teacher's signature*
- **Zoology Honors pre-requisite:** 85 in Biology; **Co-requisite:** Chemistry
- **All AP Science Classes have prerequisites, grade requirements (90 in Biology & 90 in Chemistry) and Chemistry Teacher's signature**
 - **AP Physics pre-requisites:** 90 in Biology, 90 in Chemistry, 90 in Physics and *Physics Teacher's signature*