# Cape Fear Academy of Natural Science

| **Benefits of the Academy** | **Program Features** |
|---|---|
| Members gain access to advanced coursework, lab experiences, research opportunities, competitions, and field trips that strengthen problem-solving and critical-thinking skills. The program also supports college and career readiness by building a strong academic resume, connecting students with mentors, and fostering a community of motivated peers who share a passion for science. Members also receive a graduation cord. | Academy students are required to successfully complete at least **seven science classes** upon graduation. Students must maintain a 3.0 unweighted grade point average in these science classes and an overall 2.7 unweighted 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 courses:

**Standard Classes:** Biology, Chemistry, Earth/Environmental Science, Physical Science

**Honors Classes:** Biology Honors, Chemistry Honors, Earth/Environmental Science Honors, Physics Honors, Anatomy & Physiology, Research in Science

**AP Classes**: AP Chemistry, AP Biology, AP Environmental Science, AP Psychology

**Honors Classes offered every-other-year:** Zoology, Marine Science, Astronomy, Geobotany

Students are required to have a **MINIMUM of FIVE** courses from the **CFHS science department.** Students may substitute a MAXIMUM of TWO science credits from the following departments/courses:

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

**FTCC Science Courses:** Astronomy I, Biology I, Biology II, Chemistry I, Chemistry II, Geology, Physics I, Physics II

**FTCC Career & Technical Pathways:** Emergency Medical Science, Fire Protection Technology, Green Sustainable Science, Health & Fitness Science, Nurse Aide, Intro to Photovoltaic Systems

**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)

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

**Pathway I: Science Academy Students**

| Grade Level | 1st Semester | 2nd Semester |
|---|---|---|
| **9th** | Earth Science Honors | Physical Science |
| **10th** | Biology Honors | Chemistry Honors |
| **11th** | The student still needs 3 CFHS sciences or approved equivalent courses. At a minimum, one (1) must be from the CFHS Science Department and the other two (2) may come from the listed courses above. | |
| **12th** | | |

**Pathway II: AIG/AP/CC/Honors and is a member of the academy**

| Grade Level | 1st Semester | 2nd Semester |
|---|---|---|
| **9th (should be enrolled in Math II)** | Biology Honors | |
| **10th** | Chemistry Honors | AP Biology |
| **11th** | AP Environmental | |
| **12th** | The student still needs 3 CFHS sciences or approved equivalent courses. At a minimum, one (1) must be from the CFHS Science Department and the other two (2) may come from the listed courses above. | |

**How to Apply:**

Complete the application, have your math and science teachers each complete a recommendation form, get 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. Osornio (Room 201) by the last day of the 1st quarter in the fall semester.

**Academy Advisors Contact Information:**

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