

E.E. Smith High School Academy of Math and Science

The Academy of Math and Science is designed to provide a technology enhanced environment that challenges and motivates its students to become leaders in mathematics and science related fields.

GOALS

1. Academy students will develop proficiency in math/science process skills with the use of technology to promote a practical understanding of those skills.
2. Academy students will utilize scientific equipment while participating in advanced laboratory research.
3. Academy students will participate in specialized science courses to develop a deeper understanding of essential scientific principles and concepts.
4. Academy students will discover and learn to apply mathematical principles through advanced problem solving.



Courses Offered to Academy Students

CSC 105	Introduction to Computing with Robots
MATH 129	Pre-Calculus I
MATH 130	Pre-Calculus II
BIOL 150	Principles of Biology
BIOL 200	Cellular Biology
CHEM 140	General Chemistry I
CHEM 160	General Chemistry II
ZOOL 110	General Zoology
MATH 150	Discrete Mathematics
STAT 202	Basic Probability and Statistics
MATH 124	Calculus I
MATH 241	Calculus II
CSC 120	Introduction to Programming Methodology
CSC 130	Program Design and Implementation

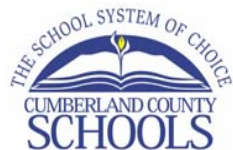
E. E. .Smith High School

1800 Seabrook Road

Fayetteville, NC 28301

(910) 483-0153

FAX (910) 483-7696



NON-DISCRIMINATION POLICY

It is the policy of the Cumberland County Schools not to discriminate on the basis of race, sex or handicap in its educational programs, activities or employment policies as required by Title IX of the 1972 Educational Amendments, Section 504 of the Rehabilitation Act of 1973, and Title II of the 1990 Americans with Disabilities Act (ADA).

The contents of this brochure were developed under a grant from the Department of Education. However, those contents do not necessarily represent the policy of the Department of Education, and you should not assume endorsement by the Federal Government.

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www.eeshs.ccs.k12.nc.us

**Principal: Mr. Clinton Robinson
Academy Director: Mrs. Letitia Myles**



Admission Requirements

To be eligible for admission to the Academy of Math and Science, a student must:

- A) Have an interest in math and science topics and issues.
- B) Plan to further their study of math and science related fields after graduating from high school.
- C) Submit an E.E. Smith High School Academy of Math and Science application.
- D) Submit a Cumberland County Schools Governed Choice application to the district Student Assignment Office if your residence is outside the E. E. Smith attendance area.

Once Admitted...

Academy students must maintain an unweighted 3.0 GPA in mathematics and science courses.



Program Features

- Mathematical principles applied through advanced problem solving
- Increased access to technology-based resources to enhance math and science instruction
- Educational field studies and required community service projects
- Partnerships formed with the Community Advisory Council as well as collaboration with Fayetteville State University (FSU) and Fayetteville Technical Community College (FTCC)
- Career Exploration Summer Academy in conjunction with North Carolina State University (NCSU) Science House



Core Courses

9th Grade

Algebra I *or* Geometry Honors
Earth Science Honors
Biology I Honors
English I Honors
World History Honors
Health/PE
Electives

10th Grade

Algebra II Honors
English II Honors
Chemistry I Honors
Civics and Economics Honors
One FSU Course (CSC 105)*
Electives

11th Grade

An Advanced Math
An Advanced Science
English II Honors *or* AP English
US History Honors *or*
AP US History
Two FSU Courses*
Electives

12th Grade

Advanced Math
English IV Honors *or* AP English
Four FSU Courses*
Electives

* FSU course offerings are listed on the back.