

STEM EARLY COLLEGE AT NC A&T



Our mission is to provide an interdisciplinary approach using critical thinking to solve real world issues in a STEM problem-based, learning environment.

Our vision is to produce leaders who will innovate, solve problems, and create a better domestic and international community.

School Information

Address:
402 Laurel Street
Greensboro, NC 27411

Phone:
(336) 370-8580

Fax:
(336) 274-7167

NC LEA School Number:
410-569

CEEB:
341612

Cognia STEM Certification

Niche 2023 -#3 Best Magnet High Schools in NC

Niche 2023 -#2 Best Public High School in NC

Niche 2023 -#11 Best College Prep Public High School in NC

2023 U.S. News & World Report Best High Schools —Gold Status (99.7/100)

U.S. News & World Report #2 Best High School in NC

2018 National Blue Ribbon School of Excellence

2018-2023 National School of Character

2018-2021 State School of Character

School & Community

Rich in diverse cultures, perspectives, and ideas, STEM Early College employs a real world and problem based method to help students develop initial and unique thinking skills. A key point of the STEM experience is participation in the AP Capstone Research program during sophomore and junior years. All students have an internship opportunity as seniors. Students engage in the engineering design process to develop and test different ideas and solutions to problems facing STEM professionals in today's world. It is a particular focus at STEM to look at global sustainability and innovation.

Accreditation

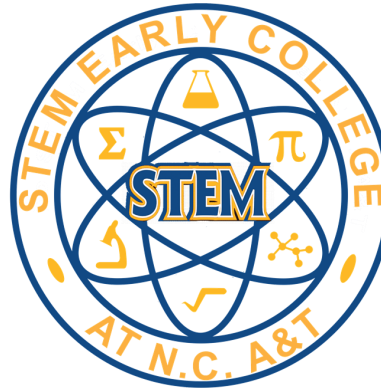
This public school is approved and accredited by the North Carolina Department of Public Instruction and the Southern Association of Colleges and Schools.

Enrollment:

9th-12th Grade
192 students

Demographics:

In 2022-23 school demographics are: 1% American Indian, 1% Pacific Islander, 5% Hispanic, 37% African American, 23% White, 27% Asian, and 7% 2 or more-races.



Class Rank

Due to the rigorous course load, STEM Early College does not rank students.

Grade Calculations

In computing the grade point average, the following weighted scale for Guilford County Schools is:

AP courses: 5.0
Honors /College courses: 4.5
Standard courses: 4.0

Major courses: STEM Early College offers 7 AP courses for 9th and 10th grade. Juniors can take 1 AP research course. Juniors and Seniors are full-time college students. The prescribed courses of study are for 4 academic pathways: Biomedical Science, Renewable Energy/Sustainable Resources, Information Technology, and Engineering.

Class Periods

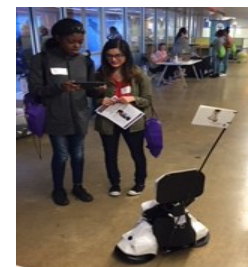
STEM Early College at NC A&T is on a 4 X 4 block schedule, and offers eight credits per year. Some AP courses are taught on the year-long, A-day/B-day schedule. Students in grades 11 and 12 are dually enrolled, and take a minimum of 4 courses per semester at the university.

Clubs & Organizations

Students have a variety of clubs to join in spite of the small staff. There are currently more than 16 clubs. The school does not offer an athletic program for high school; students participate in sports at the schools in their attendance zone.

Grading Scale

Beginning with the 2015-16 school year the 9-12th grade academic grades will be on a 10 pt. scale.
Prior to 2015-2016 school year 9-12th grade academic grades were on a 7 pt. scale.



2022:

46
Graduates

100%
Graduation Rate

>95%
Graduates with Service
Learning Awards & Diplomas

\$6 million
in Scholarship Dollars since
2016

Since the 2015-16 school year, The STEM Early College at NC A&T has had a **43%** increase in the AP pass rate and exceeded the Global average in four of seven tested areas in 2020-2021 (during a global pandemic).

For More Information:



Pathways:

Renewable & Sustainable Energy, Biology, Engineering, & Information Technology

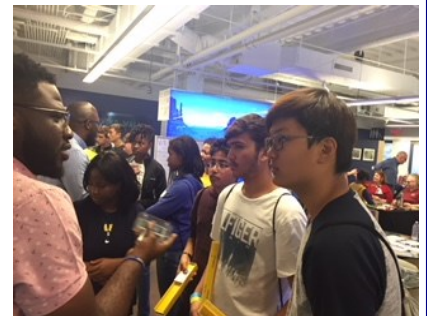
Course Offerings:

- Honors Principles of Business
- Honors Project Management I
- Honors Economics & Personal Finance
- Honors Civics Literacy
- Honors Math III, Pre-Calculus, & Calculus
- Honors Discrete Math for Computer Science
- Pre-AP Biology
- Pre-AP Chemistry
- Pre-AP English I, II, & Honors Multicultural Literature
- AP Calculus AB
- AP Statistics
- AP United States History
- AP Environmental Science
- AP English Language & Composition
- AP Computer Science Principles
- AP Capstone Seminar
- AP Capstone Research

The Research Experience

100% of the STEM Early College at NCAT students are engaged in the AP Capstone Experience. In 2021, 22 students were eligible for the diploma or certificate.

- 16 earned AP Capstone Diploma
- 12 earned AP Seminar & Research Certificate
- 28 AP Scholars of Distinction



SAT Test Performance

Mean	1239
Math	627
Reading	316

ACT Test Performance

Mean	26.6
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The SAS System Report

Reporting Year	Performance Composite	School Performance Grade	EVAAS Growth Index
2019	>95	A	—

ACADEMIC STATISTICS

100% of the Class of 2022 met all requirements for acceptance to a 4 year college or university. The college/university at which at least one member of the Class of 2022 enrolled are identified in bold type.

College Acceptances:

North Carolina Agricultural and Technical State University, **University of North Carolina- Wilmington, NC State University, Appalachian State University, Winston-Salem State University, Purdue University, University of North Carolina-Chapel Hill, Clemson University, Elon University, University of North Carolina-Asheville, University of North Carolina-Charlotte, East Carolina University, Case Western University, NC Central University, Harvey Mudd College, University of North Carolina-Greensboro, Savannah College of Art & Design, Waseda University in Japan, High Point University, Duke University, Campbell University, University of Maryland, Harvard University, Massachusetts Institute of Technology, Guilford Technical Community College, Baylor University, University of Missouri, Temple University, Georgia Tech, Saint Louis University, University of Tennessee- Nashville, Hampton University, Texas A & M University, Kettering University, George Washington University, Penn State University, Keio University, University of California- Davis, Drexel University, University of Alabama-Huntsville, Warren Wilson College, Guilford College, William- Peace University, Methodist University, Howard University, Virginia Commonwealth University, Limestone College, Wake Forest University, Spelman University, Georgia State University, Virginia Polytechnic Institute and State University, Johns Hopkins University, Cornell University, Stanford University, University of Chicago, Wingate University, Western Carolina University, Fayetteville State University, Belmont College, Columbia University, Clarkson University, East Tennessee State University, Rochester Institute of Technology, Embry-Riddle University, New York Institute of Technology, George Mason University, University of North Carolina-Pembroke, Elizabeth City State University, Gardner-Webb University, Barton College, Meredith College, University of Notre Dame, Clark Atlanta University, Art Institute of Raleigh/ Durham, Keiser University, Lynchburg College, Xavier University, Emory University, Chowan University, Wesleyan College, Hendrix University, Bucknell University, & Champagne University, Brigham Young University, Drake University, Liberty University**