BERGEN COUNTY ACADEMIES
CLASS OF 2025 PROFILE

ONE CEEB 310118

ONE SCHOOL, SEVEN ACADEMIES

- Academy for the Advancement of Science & Technology (AAST)
- Academy for Business and Finance (ABF)
- Academy for Culinary Arts & Hospitality Administration (ACAHA)
- Academy for Engineering & Design Technology (AEDT)
- Academy for Medical Science Technology (AMST)
- Academy for Technology & Computer Science (ATCS)
- Academy for Visual & Performing Arts (AVPA)

ABOUT US

1131 STUDENTS

70 TOWNS

19% ACCEPTANCE RATE

CLASS OF 2025 STATS

272 SENIORS

33 AVERAGE ACT

1472 AVERAGE SAT
726 EBRW
746 MATH

NATIONAL MERIT SEMIFINALISTS 26

EXTENDED SCHOOL DAY 8:00-4:10PM

130+ CLUBS AND ORGANIZATIONS

16 SPORTS OFFERED

#20 BEST PUBLIC HIGH SCHOOL IN AMERICA 2025

2025 NICHE BEST SCHOOLS

STUDENTS ENROLLING IN 4-YEAR COLLEGES **99.9%**

NJ DEPT OF ED MODEL SCHOOL IN THE ARTS

2 U.S. PATENTS BASED ON IN-HOUSE RESEARCH
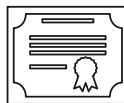
12 REGENERON/INTEL NATIONAL FINALISTS SINCE 2010

CONTACT US

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WHAT MAKES US SPECIAL?

RESEARCH

A particularly significant aspect of our research program is that the students select the scientific question that they will be studying and do not receive preliminary data for their projects. The labs at BCA are functional, professional entities not normally found in a high school setting. They include agriscience, mechatronics, optics, nanotechnology, cell/molecular biology (including Next Generation Sequencing and label-free live cell imaging), nano-structural imaging (including a Scanning Electron Microscope (SEM) and Transmission Electron Microscope (TEM)), a Financial Markets Lab (equipped with Bloomberg terminals), and a variety of other research opportunities. Our research program has produced three Presidential Scholars, twelve Regeneron STS Finalists (four in the Top Ten), over 100 Regeneron STS Scholars, multiple Davidson Fellows, several ISEF "Best in Category", numerous publications in peer reviewed journals, a participant in the White House Science Fair, and a patent-the result of original student research.

PROJECTS

During their first three years at the Academies, students will spend two hours every Wednesday working on an interdisciplinary project. Students have the opportunity to choose a different project each trimester.

SENIOR INTERNSHIP

All of our seniors devote Wednesdays to a yearlong individualized internship called Senior Experience. Seniors receive nine academic credits for this supervised graduation requirement. Over 150 employers offer experiential learning opportunities in research centers, hospitals, universities, non-profit organizations, government agencies, major corporations and small businesses in the NY/NJ metropolitan area.

GLOBAL STUDIES

BCA offers an increasingly expanding array of opportunities to participate in international programs with partner schools across the world. Students often collaborate on research projects in advance. Recent destinations include Denmark, Greece, Japan, Israel, Singapore, United Arab Emirates and the UK.

ELECTIVES

BCA students enrich their education and pursue their interests by selecting from an array of electives in art, humanities, math, research, science, and technology. Students can choose from over eighty elective courses in visual, performing, and culinary arts, music, physics, engineering and robotics, computer science, psychology, business, the study of languages and cultures, agricultural science, biology, and chemistry.

ACADEMIC INFORMATION

GRADING

- Starting in 2024-25 GPA is calculated on a new equivalency scale (see inset)
- Courses taken prior to 2023-24 are included in GPA using the old scale
- Most courses are trimester-based but select courses are semester-based
- Students are NOT RANKED
- GPA's are calculated YEARLY based on final grades attained in each course
- GPA is unweighted and includes academic courses only
- 4.0 is the highest possible GPA
- D- is the lowest passing grade

Grade	Up to 23-24	24-25 & Beyond
A	4	4
A-	3.8	3.667
B+	3.33	3.333
B	3	3
B-	2.8	2.667
C+	2.33	2.333
C	2	2
C-	1.8	1.667
D+	1.33	1.33
D	1	1
D-	N/A	0.667
F	0	0

COURSES

- All academic courses are taught at the honors level or above
- All Academy programs far exceed NJ State graduation requirements
- Due to scope and sequence, students in some Academies may not be able to take the "Post AP/IB Courses" listed
- 40 hour community service requirement (over 4 years)

AP COURSES

AP Art History
AP Biology
AP Calculus AB, BC
AP Chemistry
AP Computer Science A
AP Government
AP Macroeconomics

AP Microeconomics
AP Music Theory
AP Physics C
AP Psychology
AP Statistics
AP Studio Art

IB COURSES

IB Business Management SL
IB Computer Science SL
IB Economics HL
IB Environmental Systems SL
IB French SL, HL
IB History HL, SL

IB Literature / Language HL
IB Mandarin ab initio, SL
IB Math SL, HL
IB Spanish SL, HL
IB World Literature HL

POST AP/IB COURSES

Advanced Math Topics
Advanced Music Theory
Advanced Topics in Chemistry
AP Calculus BC+

Algorithms & Data Structures
Linear Algebra/Diff Equation
Multivariable Calculus
Organic Chemistry I/II/III

ACADEMY INFORMATION

AAST-SCIENCE

AAST students take multiple years of biology, chemistry and physics while completing studies in chemical engineering, organic chemistry and modern physics. Graduates from AAST are prepared to continue studies across a wide range of scientific disciplines. AP Chemistry is a requirement of the program. Throughout the curriculum, students are encouraged to find original answers to modern research challenges using the state of-the-art facilities available on campus.

ABF-BUSINESS

ABF students take business, finance, marketing, and economics classes as part of their core. Business principles are taught in multiple, high-level core courses which incorporate topics such as: the global business environment, management, marketing, finance, economics and entrepreneurship. ABF has incorporated an emphasis on a global perspective. The driving force behind this global component is the integration of the International Baccalaureate curriculum to an already rigorous course of study.

ACAHA-CULINARY ARTS AND HOSPITALITY

Students in the Academy for Culinary Arts and Hospitality Administration have a strong interest in culinary arts and restaurant/hospitality management. ACAHA Students are prepared for study in any area by an honors-level core curriculum, augmented by elective options in all facets of food preparation, facility management, customer service, and entrepreneurship. All students take IB Business Management and they may elect to participate in the IB Diploma program.

AEDT-ENGINEERING

AEDT students study courses in the engineering sciences, including design technology, computer science, manufacturing, electronics, and biomedical engineering. AEDT focuses on general engineering disciplines and prepares students for entrance into college engineering programs. Students in this academy have a concentration in engineering and design courses and focus on skills which are generally useful in any engineering curriculum. Projects include product development, civil or architectural designs, and robotic competitions.

AMST-MEDICINE

AMST students balance a rigorous science curriculum with scientific research to be best prepared for a future in the medical field. Students learn to design original scientific experiments and carry them out in a high school setting. In addition to advanced level science classes, students take specialized academy-specific courses such as Bioethics, Epidemiology, Pharmacology, Neuroscience, Biotechnology, Anatomy and Physiology, and Introduction to Surgical Techniques.

ATCS-COMPUTER SCIENCE

ATCS students develop a strong foundational understanding of programming, computer architecture, data structures and algorithms, and program analysis. The program is oriented around underlying ideas that will never become obsolete, even as technologies change. Throughout their careers at BCA, students extend their skills in computing through projects and electives of their choice, often including processor design, web application development, robotics, computer security, and mechatronics. The Senior Capstone is a culmination in which the students work in groups to develop a product for a client.

AVPA-MUSIC

AVPA Music students have an outstanding ability in music and are some of the strongest musicians in their communities. Students learn woodwind, brass, string and percussion instruments. They study college-level music theory, which includes harmonic analysis, counterpoint, voice leading and ear training. Students also learn current technological and composition techniques in electronic music synthesis where they work with state-of-the-art software.

AVPA-THEATRE

AVPA Theatre students participate in a rigorous training program for students interested in pursuing a college major in theatre or film leading to a career in some aspect of the entertainment industry. Core courses include sequences in acting, dance, voice and speech, musical theatre, theatre history, theatrical design, dramatic writing, and directing. Students are introduced to a variety of methods most productive for their individual growth.

AVPA-VISUAL

AVPA Visual students study essential aspects of the visual arts through immersion in a curriculum that embraces new technologies, while emphasizing traditional skills and principles of art and design. The program allows students to pursue their passion in any one of a broad range of arts including graphic and web design, illustration, photography, animation/video, game design, package design, virtual reality, traditional/fine arts, and art history.

COLLEGE ENROLLMENTS 2021-2024

College	#
Amherst College	2
Babson College	3
Barnard College	8
Bergen Community College	3
Binghamton University	4
Boston College	7
Boston Conservatory at Berklee	1
Boston University	20
Bowdoin College	1
Brandeis University	3
Brown University	6
Bryn Mawr College	1
Bucknell University	2
California Institute of Technology	2
California Institute of the Arts	2
Carnegie Mellon University	19
Case Western Reserve University	13
Champlain College	1
Chapman University	1
Clark Atlanta University	1
Colby College	2
Colgate University	1
College of the Holy Cross	1
Colorado School of Mines	1
Columbia University	12
Cooper Union	5
Cornell University	53
Culinary Institute of America	1
CUNY Brooklyn	2
CUNY John Jay	1
Dartmouth College	5
DePaul University	1
Drexel University	5
Duke University	10
Eckerd College	1
Elon University	3
Embry-Riddle University	1
Emerson College	3
Emory University	9
Emory University-Oxford College	1
Fairleigh Dickinson University	2
Fashion Institute of Technology	1
Florida Institute of Technology	1
Florida State University	2
Fordham University	10
Georgetown University	14
Georgia Institute of Technology	8
Grinnell College	2
Harvard University	20
Hofstra University	3
Howard University	2
Indiana University-Bloomington	1
Ithaca College	2
Johns Hopkins University	5
Johnson & Wales University	1
Kean University	2
King's College	1
Lafayette College	1
Lehigh University	2
Liberty University	1
Marist College	1
Massachusetts Institute of Tech	20
Miami University-Oxford	1
Middlebury College	1
Montclair State University	8

College	#
Montserrat College of Art	1
Muhlenberg College	5
Nebraska Wesleyan University	1
New Jersey Institute of Technology	34
New York Institute of Technology	2
New York University	39
North Carolina State University	2
Northeastern University	32
Northwestern University	9
Nova Southeastern University	1
Oberlin College	1
Ohio State University	5
Oklahoma City University	2
Pace University	1
Pennsylvania State University	9
Point Park University	1
Pomona College	1
Pratt Institute	2
Princeton University	10
Purdue University	18
Ramapo College of New Jersey	6
Reed College	1
Rensselaer Polytechnic Institute	16
Rhode Island School of Design	8
Rhodes College	1
Rice University	6
Rider University	2
Ringling College of Art and Design	1
Rochester Institute of Technology	5
Rowan University	5
Rutgers University-New Brunswick	157
Rutgers University-Newark	6
San Diego State University	1
School of Visual Arts	1
Seton Hall University	6
Siena College	1
Skidmore College	2
Smith College	1
South Dakota School of Mines & Tech	1
Southern Methodist University	1
St. John's University-New York	1
Stanford University	5
Stevens Institute of Technology	33
Stony Brook University	1
Susquehanna University	1
Swarthmore College	3
Temple University	1
The Catholic University of America	1
The College of New Jersey	5
The George Washington University	11
The Juilliard School	3
The New School	3
The Sophie Davis School of Biomed	1
The University of Texas at Austin	12
Tufts University	9
Tulane University	4
Union College	3
United States Military Academy	3
University at Buffalo	1
University of Arizona	2
University of California-Berkeley	3
University of California-Davis	1
University of California-Irvine	2
University of California-Los Angeles	3
University of California-San Diego	3

College	#
University of California-Santa Cruz	2
University of Central Florida	1
University of Chicago	7
University of Colorado Boulder	2
University of Connecticut	6
University of Florida	5
University of Georgia	2
University of Illinois	4
University of Iowa	1
University of Maryland	17
University of Massachusetts-Amherst	8
University of Miami	9
University of Michigan	20
University of Missouri-Columbia	1
University of North Carolina	5
University of Notre Dame	6
University of Pennsylvania	19
University of Pittsburgh	6
University of Rhode Island	2
University of Richmond	1
University of Rochester	7
University of South Carolina	2
University of South Florida	1
University of Southern California	12
University of Vermont	1
University of Virginia	3
University of Wisconsin-Madison	4
Vanderbilt University	10
Vassar College	2
Villanova University	6
Virginia Tech	3
Wagner College	1
Washington and Lee University	1
Washington University in St Louis	10
Wellesley College	4
Wentworth Institute of Technology	1
Wesleyan University	1
Wheaton College	1
William & Mary	2
William Paterson University	1
Williams College	1
Worcester Polytechnic Institute	5
Yale University	6

International

College	#
Bocconi University	2
City University of London	1
Durham University	2
Erasmus University Rotterdam	1
IE University – Madrid	1
International University in Geneva	1
King's College London	1
McGill University	4
University College London	1
University of Amsterdam	1
University of Oxford	2
University of St Andrews	1
University of the Arts London	1
University of Tokyo - PEAK	1
University of Toronto	1
University of Ulster	1
University of Waterloo	2