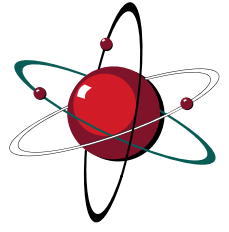


The Academy for Math, Science & Engineering



High School Profile 2024-2025

520 W. Main St.
Rockaway, NJ 07866

CEEB Code: 310274

Fax: (973) 664-1074

Contact Information:

Mrs. Yesenia Rivera-Carney
Supervisor of School Counseling
(973) 664-2313

Mrs. Caryn Graf
School Counselor
(973) 664-2327

Mrs. Heather McDonald
School Counselor
(973) 664-2318

Visit us online at:

www.mcvts.org

OR

<https://www.mcvts.org/programs/math-science-engineering-morris-hills-hs>

Accredited by the Middle States
Association of Colleges and Schools
and by the Council on
Occupational Education

Member of the National
Consortium for Secondary STEM
Schools (NCSSS)

The Academy

The Academy for Mathematics, Science, and Engineering, located at Morris Hills High School, is a rigorous, highly focused four-year program for Morris County students with career interests in mathematics, science, or engineering. Students complete a challenging curriculum and participate in technical internships with partners from business and industry. The Academy was ranked as the second-best high school by Newsweek in 2016 and was also ranked the # 1 Best STEM High School in America by Niche in 2023. Admission to the Academy is competitive, with students selected from throughout Morris County. For the 2023-2024 school year, 30% of applicants were admitted to the Academy.

The Academy is a collaborative effort among the Morris County Board of Chosen Freeholders, the Morris County Vocational School District, and the Morris Hills Regional District.

Our Campus

The Academy is located at Morris Hills High School, a 39-acre site that was the former Günter Estate in Rockaway, New Jersey. The Academy is housed in the Dr. James J. McNasby Technology Center, a modern facility with laboratories and classroom space. Students complete coursework both in the Academy building and at Morris Hills High School.

Our Region

Morris County is one of the fastest-growing counties in the tri-state area and the seventh largest in New Jersey. Its suburban landscape features hills, valleys, rivers, and lakes, all within approximately thirty miles northwest of New York City. Additionally, Morris County is home to numerous multinational corporations, research centers, laboratories, three universities, and a two-year county college.

Our Curriculum

Schedule: The Academy operates on an alternating A Day/B Day block schedule. Classes are 88-minutes in length. **Academy students take 45 credits per year (9 classes).** The Academy school day begins at 7:18 AM and ends at 3:02 PM.

Graduation Requirements: Academy students are required to complete 170 credits in order to graduate, *50 credits more than the 120 minimum credit requirements for a New Jersey diploma.*

Required Academy Coursework (All taught at the honors/advanced level)

Mathematics	Science	Pre-Engineering	Humanities
Geometry H	AP Physics 1	Academy Computer Aided Design H (CAD)	Academy English 1H
Academy Math Analysis 1H	AP Chemistry	Academy Fundamentals of Engineering H	Academy English 2H
Academy Math Analysis 2H	AP Biology	Academy Engineering & Product Development 1H	Academy Social Studies 1H
	Academy Biotechnology H	Academy Engineering & Product Development 2H	Academy Social Studies 2H
		Academy Engineering & Product Development 3H	Academy Macroeconomics H*
			Academy Technical Writing H

*Requirement can be met through AP Economics.

Additional Honors/AP Coursework

Calculus/Analytic Geometry H
Calculus III—Multivariable H
English 2 H
Strings Ensemble H

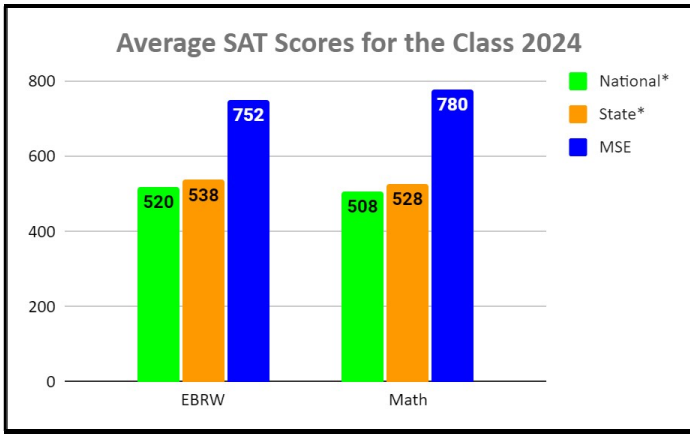
French 3H & French 4H
German 3H & German 4H
Spanish 3H & Spanish 4H
College Accounting 1H, 2H

Advanced Band H
Chorus H

AP Art History
AP Calc AB/BC
AP Lang & Comp
AP French Lang
AP Psychology
AP US History
AP Art Studio: 2D Art & Design

AP Computer Science A
AP Lit & Comp
AP US Govt & Politics
AP Physics C
AP Drawing
AP Environmental Science
AP Human Geography

AP Spanish Lang
AP 3D Art & Design
AP Economics
AP European History
AP Music Theory
AP Statistics
AP Computer Science Principles



*National & State Averages based on 2023 data.

Class Profile

Class of 2025

Facts at a Glance:

Senior Class Size: 45
 Highest GPA: 105.37
 Average GPA: 101.84
 National Merit Semi-finalists: 4

Grading System

- Quarterly grading system
- Based on a 100-point numerical scale
- Final course grade = four marking period averages and three-quarter exams or a final exam/project
- Honors classes indicated with “H” earn 5 extra points when calculating the GPA
- AP courses earn 10 extra points when calculating the GPA

Advanced Placement Data 2024

of MSE students who took at least one AP Exam: 46
 Total # of AP Tests: 542
 % of students scoring 4 or 5: 90%
 % of students scoring 3 and above: 97%

Internship Partners – 2024		
BAE Systems	Marotta Controls	REDYREF Interactive Kiosks
BD (Becton, Dickinson and Company)	Mechanical Solutions Inc.	Thomas Baio Architect PC
County College of Morris	MiniScience	TrnDigital
Flowtech	Morris Hills Regional District	University of Washington
Freshriver.ai	Movement Control Rehabilitation	Wells Fargo
Heller Industries	New Jersey Institute of Technology	ZAPHYR Technologies
Integration International, Inc.	NJIT Stem for Success	Zoetis Inc.
Ipsos MMA	Pfizer Inc.	
Kozak Precision Products	PicoImmune	

Class Rank

Due to our competitive admissions process, small class size, and the exceptional academic achievement of our students, we do not compute a numerical class rank. Please contact the Guidance Office if you need additional information.

Extracurricular Activities

Students can participate in 28 varsity sport programs, over 50 clubs and activities, and 10 honor societies at Morris Hills High School.

Articulation Agreements for College Credit

Through an articulation agreement between the New Jersey Institute of Technology (NJIT) and the Morris County Vocational School District, students have the opportunity to earn college credit through dual enrollment for select Academy courses. Additionally, students can earn further college credit through Fairleigh Dickinson (FDU) University's Early College Program.

College Acceptances – 2024

Baylor University	New York University	University of Colorado Boulder
Binghamton University	North Carolina State University at Raleigh	University of Connecticut
Boston University	Northeastern University	University of Florida
Brown University	Pennsylvania State University - Main Campus	University of Georgia
Carnegie Mellon University	Princeton University	University of Illinois at Urbana Champaign
Case Western Reserve University	Purdue University Main Campus	University of Maryland - College Park
Champlain College	Rensselaer Polytechnic Institute	University of Massachusetts - Amherst
Cooper Union for the Advancement of Science and Art	Rhode Island School of Design	University of Miami
Cornell University	Rice University	University of Michigan - Ann Arbor
Dickinson College	Rochester Institute of Technology	University of Missouri - Kansas City
Drake University	Rowan University	University of New Haven
Drexel University	Rutgers University - Newark	University of North Carolina at Chapel Hill
Duke University	Rutgers University - New Brunswick	University of Notre Dame
Embry - Riddle Aeronautical University Daytona Beach	Seton Hall University	University of Pennsylvania
Emory University	Stevens Institute of Technology	University of Pittsburgh - Pittsburgh Campus
Florida Institute of Technology	Stockton University	University of Rochester
Georgetown University	Stony Brook University	University of Toronto
Georgia Institute of Technology	Texas A & M University - College Station	University of Virginia - Main Campus
Harvard University	The College of New Jersey	University of Washington Seattle Campus
Haverford College	The University of Texas at Austin	University of Waterloo
Hofstra University	Tufts University	University of Wisconsin Madison
Indiana University Bloomington	Union College (NY)	Vassar College
Johns Hopkins University	University of California - Berkeley	Virginia Tech
Lehigh University	University of California - Davis	Wake Forest University
Madonna University	University of California - Irvine	Wellesley College
Massachusetts Institute of Technology	University of California - Los Angeles	Worcester Polytechnic Institute
New Jersey Institute of Technology	University of California - San Diego	
New York Institute of Technology	University of California - Santa Barbara	

*Colleges and universities in bold print indicate that a student chose to attend the school.