

University Partnerships

The Academy for Mathematics, Science and Engineering maintains a partnership with the New Jersey Institute of Technology through which students earn college credit for selected Academy courses. An official college transcript is awarded upon graduation.

Internship Component

Through the three-year Science Inquiry and Technology sequence, students develop individual science research projects corresponding to specific career interests. Current student projects involve areas such as aeronautical engineering, meteorology, cryptology, microbiology, computer science, materials science, software engineering, architectural engineering, and computer systems analysis. In their junior and senior years, students work with corporate mentors and perform on-site internships. Current partners include New Jersey Institute of Technology, Rutgers University, Novartis, Smith Aero-Space, Granite Financial Corporation, Lucent Technologies, St. Claire's Hospital., Pfizer, Automated Data Processing, the Morris County Parks Commission, and the Research and Development Council of New Jersey.

Extracurricular Offerings

26 Varsity Sport Programs
50 Clubs and Activities
7 Honor Societies

College and University Acceptances

University of Michigan	Rutgers University
Vanderbilt University	Bucknell University
College of New Jersey	Boston University
Carnegie Mellon	Cornell University
Rice University	Dartmouth University
University of Rochester	Princeton University
College of New Jersey	University of California @ Berkley
Penn State University	New York University
Florida Tech	Virginia Polytechnic Institute

New Jersey Institute of Technology (Honors)

Summer Program

There is a two week mandatory summer program for all incoming freshman. Beginning at 8:00am and ending at 3:00pm; transportation is not provided by the school district; dates to be determined.

The program content offers the opportunity for students to meet their classmates as well as an exposure to coursework.

Our Region

Morris County, among the fastest growing counties in the tri-state area, nestles amid hills, valleys, and lakes approximately thirty miles northwest of New York City. The county plays host to the world headquarters of numerous multinational corporations, research centers, and laboratories. A workforce of over 240,000 residents is well within commuting distance for the New York metropolitan region.



Morris County Vocational
School District

In partnership with

Morris Hills Regional District

Class of 2011



520 West Main Street
Rockaway, NJ 07866

**Member of the
National Consortium for Specialized
Secondary Schools of Mathematics,
Science and Technology**

CEEB CODE 310274

Academy Information
(973) 627-4600 Ext. 292

http://www.mcvts.org/math_acad/math_sci_eng_index.htm

www.mhrd.k12.nj.us/mhhs/academy

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. Admission to the Academy is competitive, with students selected from throughout Morris County. The Academy is a collaborative effort between the Morris County Board of Chosen Freeholders, the Morris County Vocational School District, and the Morris Hills Regional District. Academy students are enrolled in the Morris County Vocational School District, which is accredited by the Middle States Association of Colleges and Schools and the Council on Occupational Education.

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. Mc Nasby Technology Center, a modern facility with laboratories and classroom areas. Students complete coursework both in the Academy building and at Morris Hills.

Grading System

The quarterly grading system is based upon a numerical average within a range of 0-100. The minimum passing grade for all subjects is 70. The student's final grade is the average of the four marking periods and the final exam/project. The Academy does not implement a class rank system.

Our Curriculum

The Academy curriculum provides the most able of students with a structured course experience in preparation for careers in mathematics, science, or engineering. Students attend classes in an extended school day program. Students must enroll in nine courses per year and complete 170 credits for graduation.

The following Academy courses are **required**:

Grade 9

Academy Analysis 1

Academy Computer-Aided Design

Academy English 1

Academy Geometry

Academy Physics

Academy Social Studies 1

Grade 10

Academy Analysis 2

Academy Chemistry

Academy English 2

Academy Fundamentals of Engineering

Academy Social Studies 2

Acad. Science Inquiry & Technology 1

Grade 11

Academy Biology

Academy Business Strategies

Acad. Science Inquiry & Technology 2

Grade 12*

Academy Biotechnology

Acad. Science Inquiry & Technology 3

Academy Technical Writing

Academy Macroeconomics

*Plus additional college course work

All Academy courses are advanced level courses.

Advanced Placement Courses

Advanced Placement courses are awarded an additional ten points when internally calculating the student's grade point average.

Art History AP

Art Studio AP

Biology 2AP

Calculus AB AP

Calculus BC AP

Chemistry 2AP

Computer Programming Math 2AP

English Literature AP

European History AP

Music Theory AP

Physics 2AP

Psychology AP

Spanish 5AP

French AP

Statistics AP

U. S. History 2AP

Advanced Placement Data

Class of 2006

Average Number of Advanced Placement

Exams per Student: 3.6

Average AP Grade: 3.8

Per Cent of AP Grades 3 or Better: 82%

College Admissions Testing

Scholastic Aptitude Test

Class of 2006

TEST

MEAN

SAT Math

695

SAT Verbal

658

SAT Writing

629