

# MANHATTAN HUNTER The City University of New York SCIENCE HIGH SCHOOL

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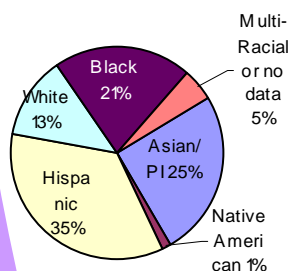
CEEB #333785

## Accreditation and Achievements

- Accredited by the New York State Department of Education
- In partnership with Hunter College of the City University of New York
- Member of the Woodrow Wilson National Fellowship Foundation's Early College Network, part of the national Early College High School Initiative ([www.earlycolleges.org](http://www.earlycolleges.org))
- 95% Attendance Rate
- 97% Graduation Rate
- 100% College-Going Rate

## Students Served

- 406 Students in Grades 9-12
- 55% Female
- 69% Participate in Free/Reduced Lunch programs
- Race/Ethnicity



## School and Community

Nestled on the Upper West Side of Manhattan on the 5th floor of the former Martin Luther King High School campus, the Manhattan Hunter Science High School is an early college high school rooted in the belief that individuals are better prepared to face life's challenges when given the proper tools. Opened in September 2003 in partnership with Hunter College, the school provides an enriched, rigorous curriculum with a focus on science. Students meet the requirements of a rigorous high school program and at the same time develop the skills and habits of successful college students through direct experience in college courses.



The socially, economically, and racially diverse student body is drawn from across New York City. Manhattan Hunter Science High School seeks students who have not excelled in middle school but have an interest in science and a desire to pursue those studies in high school. About 80% or more of students scored at or below grade level on their 8th grade math and reading tests. The early college high school emphasizes the critical thinking skills these students need to explore and analyze the world as they prepare for postsecondary success.

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## Curriculum

ALL students complete a college preparatory curriculum and ALL students enjoy the opportunity to earn college credits through dual credited courses at the high school and through undergraduate courses at Hunter College. Hunter College faculty have been instrumental in the development of the college preparatory curriculum, which blends required coursework for Regents exams and core requirements in preparation for college level coursework.

As a result, we deliberately **do not offer Advanced Placement courses**. It is our belief that preparation for college success is better taught within the early college framework we have created.

*"Having spent my senior year at Hunter College, I now know what to expect and what not to do when I actually begin college. I know the structure of college courses and how difficult they can be. Spending my senior year at Hunter College has better prepared me for when I attend college as a freshman next fall."*

*—Adrienne Pryor,  
Class of 2007*

## Graduation Requirements

All students are required to complete a minimum of 44 high school credits for graduation.

English	8 cr.
Social Studies	8 cr.
Science	6 cr.
Mathematics	6 cr.
Research	6 cr.
Foreign Language	6 cr.
Health	1 cr.
Physical Education	4 cr.
Art/Music	2 cr.

## Grading, Class Rank

Courses that are dual credited or college credited are weighted. All courses, except Physical Education, are included in the Grade Point Average. A passing grade is 65.

Students are assigned a rank in class based on GPA.

## Early College High School

ALL students enroll in courses eligible for dual credit—Spanish, chemistry, and physics. These courses blend the curriculum mandates of New York State and Hunter College and are taught and supervised by high school and college faculty.

Our program culminates in a senior year experience during which seniors in good standing spend their school days on the Hunter College campus. High school English and social studies teachers conduct high school classes configured in the collegiate model. Students also enroll in the undergraduate science courses of their choice (biology, chemistry, or physics) and are

## Research Emphasis

Science and the scientific method are integrated into all subject areas throughout the curriculum. Throughout high school, students spend time doing lab work at Hunter College, providing hands-on experience with collegiate lab equipment and facilities.

Students participate in a variety of research-based programs and internships, applying their classroom learning to real-life experiences. These activities introduce students to the excitement of discovery and increase their understanding and facility with problem-posing, inquiry, and creative thinking.

During freshman year, students learn general research skills through a Quality of Life project aimed at improving life in New York City. Sophomores participate in the New York City Science Fair, the largest science fair in the

placed in a mathematics course based primarily on CUNY's COMPASS exam results. Additional electives are available as well.

High school teachers serve as advisors to assist seniors in making the transition from high school to college. Furthermore, students are required to work in study groups and are encouraged to utilize the College's academic support services, including an early college high school liaison and learning labs.

Founded in 1870, Hunter College is the largest college of the City University of New York, serving a diverse population of 21,000 undergraduate and graduate students in more than 170 programs of study.

city. Juniors compete in the Nobel Laureate Essay Contest and the Otto P. Burgdorf Science Research Competition. As seniors, students have the opportunity to compete in the Intel and Siemens Science Competitions.

Students may participate in summer-long internships as well. Former placements include:

Hunter College	Columbia University
Polytechnic University	Albert Einstein Hospital
Mount Sinai Hospital	Central Park Conservatory
New York Science Academy	American Museum of Natural History
Intrepid Museum	Lamont Dorothy Earth Observatory Center
Rockefeller Institute	Harlem Children's Society

## Community Service and Student Involvement

The school places a strong belief in the importance of contributing to the community. Manhattan Hunter Science High School requires all students to complete community services hours as a requirement for graduation. Students are offered a variety of opportunities throughout the year or they may find their own service placements.

Students can participate in a variety of educational, sports, and social activities, such as

soccer, basketball, volleyball, and track and field teams; the school newspaper, *The Word*; and field trips related to different subject areas. In addition, students can join organizations like Student Government and the Nursing Club. Students are invited to participate in chapters of the National Honor Society, the National Science Honor Society, and the National Spanish Honor Society upon meeting admission requirements.

## Curriculum Design

Our curricular program is designed to help students make the transition from high school to a world that depends on self-regulation, self-directedness, and comfort with ambiguity. Weaving through all disciplines and instructional experiences are standards for Knowledge and Information Management, Problem Solving, Collaborative Contribution, Participation, Quality Production, Self-Directed Learning, and Complex Thinking.

Phase 1: Initial courses taught at the high school by high school teachers focus on procedural understanding and facility with problem posing, inquiry, and creative thinking.

Phase 2: Dual credited courses taught at the high school in collaboration with college instructors help students transition to college course content in a familiar environment.

Phase 3: College credit courses taught at the college for cohorts of students fosters habits of mind and self-regulatory behaviors in a college environment surrounded by supportive peers and high school advisors.

Phase 4: Students enroll in college credit courses alongside undergraduates. Support includes student directed study groups, counseling support, and access to campus resources.

## College Credits Earned, Class of 2007

Number of Credits	Number of Students
4 or less	5
5-9	13
10-18	43
19 or more	17
Total	78

## Reviews of College Courses and the Senior Experience

In Fall 2006, 37 Manhattan Hunter Science High School seniors enrolled in BIO 100: Principles of Biology I, a 4.5 credit course for science majors at Hunter College. It is taught in a large lecture hall and includes a lab and small recitation section.

Almost all students—90%—reported that the course was more difficult than they expected and that it required at least 15 hours a week of studying to be successful. Even though it was a challenging course, more than half of the students—52%—said they would recommend the course to the next year's seniors at Manhattan Hunter Science High School. This quote typifies the students' perspective:

*"[Next year's seniors] are able to do it, but they really have to dedicate themselves to the work and work hard studying to get the grades."*

And of their senior experience:

*"The best part of attending Hunter College during your senior year of high school is the experience of being in a college atmosphere. You begin to get a realization of what you really want in a college. It prepares you for a transition that you will have to make, but eases you into the process at the same time - because you've already experienced it. It doesn't get any better than that for high school students in the city."*

*"This program at Hunter College teaches you how to change your previous work habits, become acquainted with a university setting, and transfer these skills to the college you decide to attend once you graduate. These are life lessons that help put you in control of your education."*

## Faculty and Pupil Personnel Services

Each teacher on the high school faculty is fully licensed and about 80% holds a master's degree or higher. Teachers come from different professions and backgrounds, bringing dynamic, innovative, and rich lessons to the classroom.

The teachers also serve as student advisors in our structured advisory program, acting as supportive liaisons between other teachers, students, and their parents.

The Pupil Personnel Department is integral to the school's educational program. Extensive educational and personal counseling services are provided by a fully certified and qualified team of specialists. Three counselors and a social worker work with students and faculty. Through advisory sessions, the Pupil Personnel Team aims to create an inclusive environment in which both students and faculty are invested in the learning process.

*"Taking classes with college students showed me how different college is from high school. I found new ways to understand the material the professors taught in class. I also started to become closer with many of my classmates because we all studied together and assisted each other."  
—Jian Wang, Class of 2007*

## Regents Examinations and SAT Scores

Although Regents results are not the only indicator of student success, we are proud to report that all of our seniors in 2006-07 met or exceeded the assessment standards of the New York State Regents examinations required for graduation. Also, 32% of graduates earned Regents Diplomas with Advanced Designation.

Regents	% Pass (65-100)	% Mastery (85-100)
Comprehensive English	100	50
Mathematics A	100	25
Global History	100	39
US History	100	68
Living Environment	100	21
Comprehensive Spanish	99	59

All students in the Class of 2007 completed the SAT I.

SAT I	Range
Middle 50% Verbal	460-550
Middle 50% Math	430-580

## College Plans and Scholarship Awards, Class of 2007

Of the 77 graduates in the Class of 2007, 100% plan to attend college.

Four-year college	<b>86.8%</b>
In-State	52.6%
Other Public	9.2%
Private	25.0%
Two-year college	<b>13.2%</b>

In addition to full and partial scholarship awards from several institutions granting admission, Manhattan Hunter Science High School graduates also have been awarded competitive scholarships and grants, including:

- Posse Foundation Scholarship
- NY Assoc of Distinguished Americans: Horatio Alger Scholarship
- Nara Bank Scholarship
- UFT Scholarship
- NYC Public Schools Chancellor's Honors Scholarship

## College Admissions

Manhattan Hunter Science High School graduates have been offered admission to the following institutions:

Boston University  
 Brandeis University  
 Case Western Reserve University  
 Central Connecticut State University  
 Cheney University  
 Columbia University  
 CUNY Baruch College  
 CUNY Borough of Manhattan Community College  
 CUNY Honors College - Hunter  
 CUNY Hunter College  
 CUNY Lehman College  
 CUNY College of Staten Island  
 CUNY Teacher Academy - Hunter  
 Earlham College  
 Emerson College  
 Florida A&M University  
 Fordham University  
 Franklin & Marshall College  
 George Washington University

Goucher College  
 Hofstra University  
 Johnson & Wales University  
 Loyola University  
 Morgan State University  
 Mt. Ida College  
 New Jersey Institute of Technology  
 New York Institute of Technology  
 New York University  
 Ohio Wesleyan University  
 Pace University  
 Pennsylvania State University  
 Philadelphia University  
 Polytechnic University  
 Quinnipiac College  
 Rochester Institute of Technology  
 Rutgers, the State University of New Jersey  
 Slippery Rock University of Pennsylvania  
 Smith College  
 St. Francis University  
 St. John's University  
 St. Joseph's University  
 St. Peter's College  
 Stevens Institute of Technology  
 SUNY Albany  
 SUNY Binghamton

SUNY Brockport  
 SUNY Buffalo  
 SUNY Buffalo State  
 SUNY Cobleskill  
 SUNY Cortland  
 SUNY Environmental Science & Forestry  
 SUNY Farmingdale  
 SUNY Fredonia  
 SUNY Geneseo  
 SUNY Herkimer County Community College  
 SUNY New Paltz  
 SUNY Oneonta  
 SUNY Purchase  
 SUNY Stonybrook  
 SUNY Sullivan County Community College  
 SUNY Tompkins Cortland Community College  
 Syracuse University  
 Trinity University D.C.  
 University of California Los Angeles  
 University of Hartford  
 University of Illinois  
 University of Miami  
 University of Michigan  
 Vanderbilt University  
 Virginia Union University