



ADMINISTRATION

Dr. Kimberly J. Schneider, Superintendent
Dana Hice DePugh, Assistant Superintendent
Sharon Nemeth, Principal

GUIDANCE

Megan Ferdetta, School Counselor

LOCATION

Health Science Academy
Assunpink Center
1085 Old Trenton Road
Trenton, NJ 08690
T: 609.586.5144
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ABOUT THE HEALTH SCIENCE ACADEMY



The Health Science Academy is a full-time, four-year program offered at Mercer County Technical School. The Health Science Academy offers self-motivated students a comprehensive preparation for careers in the health, medical and biological sciences. Students work and study in a creative environment enhanced by contact with specialists in the health care fields. Personal and career counseling coupled with field experiences prepares each student for college and careers. The Health Science Academy is affiliated with colleges, universities, private practitioners and medical and research facilities in order to enhance a rigorous curriculum.

MISSION STATEMENT

It is the mission of the Health Science Academy to provide a highly specialized learning environment which promotes the development of a confident, well-rounded health care professional through unique academic experiences specific to the field of health care.

This will be achieved by:

- implementing challenging cross curricula experiences that promote critical thinking skills and foster opportunities for leadership,
- embracing high professional standards in ethics and character development,
- providing authentic clinical experiences and internships through professional and community partnerships and
- utilizing state-of-the-art equipment technology that will enhance employment and academic opportunities in an ever-changing environment.

ACCREDITATION

The Mercer County Technical School District is certified by the New Jersey State Department of Education and accredited by the Middle States Association of Colleges and Schools.

CERTIFICATIONS

Students will work toward certifications in American Red Cross First Aid and American Heart Association's Health Care Provider CPR.

ENROLLMENT

More than 110 students are enrolled in grades 9-12 at the Health Science Academy.

FACULTY

The average teacher-to-student ratio is 1:13.

CURRICULUM

The Health Science Academy provides students with a focused program in the medical and biological sciences. Options are afforded for a Health Science Academy student to pursue goals of post-secondary education at the college or university level, or to enter the workforce directly upon high school graduation. Students receive a solid foundation in the core subjects and a rigorous health sciences program of study. A major learning component of the program is the opportunity for students to attain practical experience in the workplace as well as in academic settings.

CLASS LENGTH

Classes are 80 minutes in length and are offered on a rotating A/B block schedule.

CLASS RANK

The Health Science Academy does not rank its students.

COURSES OFFERED

BIOLOGICAL AND PHYSICAL SCIENCES

Biology BIO113 (MCCC)
Microbiology BIO115 (MCCC)
Chemistry
Anatomy and Physiology I (Rutgers)
Physics
Anatomy and Physiology II (Rutgers)
Organic Chemistry

ENGLISH

English I—World Literature
English II—American Literature
English III—American Literature II
English IV
Creative Writing (1/2 year)
English Composition I ENG101 (MCCC)

HEALTH SCIENCES

Dynamics of Health Care (Rutgers)
Medical Terminology (Rutgers)

INTERDISCIPLINARY STUDIES

Art
High School Program at Princeton University
Music Appreciation (Acellus online)
Senior Internship
Personal Financial Literacy (1/2 year)
Career Prep at MCCC

MATHEMATICS

Algebra I
Algebra II
Geometry
Pre-Calculus (MCCC)
Calculus (MCCC)

PHYSICAL EDUCATION

Fitness & Health I
Fitness & Health II and Drivers Education
Fitness & Health III
Fitness & Health IV
Intro to Personal Fitness
Concepts of Health Fitness HPE 110 (MCCC)

SOCIAL STUDIES

World History
US History I (US History to 1865)
US History II (US History Since 1865)
Introduction to Sociology SOC101 (MCCC)
Introduction to Psychology PSY101 (MCCC)

WORLD LANGUAGE

Spanish I
Spanish II
Spanish III

COLLEGE CREDIT

Articulation Agreements with Mercer County Community College (MCCC) and Rutgers School of Health Related Professions allow students to earn valuable college credit upon successful completion of high school classes. Students can earn up to 21 college credits.

Seniors may participate in the Career Prep program which is offered in partnership with Mercer County Community College. Students can enroll in courses at Mercer County Community College and earn up to 13 college credits. This is an exceptional elective opportunity for students to simultaneously earn high school and college credits.

HONORS COURSES

Honors courses are offered in English. The material covered will be done so in greater depth and at an accelerated pace as compared to a regular course. Students must meet minimum requirements established by the district in order to be recommended for honors courses.

Admission Criteria for Honors Program:

- A grade of 90 or above in CP level courses qualifies the student to appeal for admissions to an honors level course.
- A grade of 85 or above in previous honors classes qualifies the student to automatically gain admission to an honors course.
- Students may be required to submit a writing sample or other assessment where applicable.

GRADING SYSTEM

Grades earned are determined by instructors at the end of each marking period and are recorded on the student's grade report.

Grades		Nominal %	QPA Quality Point Average
A+	Superior Achievement	97-100	4.0
A		93-96	3.9
A-		90-92	3.8
B+		87-89	3.7
B	Above Average Achievement	83-86	3.5
B-		80-82	3.0
C+		77-79	2.7
C	Average Achievement	74-76	2.5
C-		70-73	2.0
D	Minimally Passing	60-69	1.0
F	Academic Failure	0-59	0.0
Temporary Grades			
S	Satisfactory	60-100	
NC	No Credit	0-59	
WP	Withdrawn Passing—No evaluation		N/A
WF	Withdrawn Failing—No evaluation		N/A
N	No grade report by the instructor		N/A
I	Incomplete—no credit earned		N/A

"I" indicates that the instructor is affording extra time for a course grade to be earned. The amount of extra time is determined by the instructor, up to a maximum of two calendar weeks after grades are submitted. An "I" grade not resolved within two calendar weeks is changed to an F grade as appropriate to the course.

BEYOND THE CLASSROOM

COMMUNITY SERVICE

Every student must complete a minimum of forty (40) hours of community service at the end of Sophomore year to earn Rutgers University credits.

EXPERIENTIAL LEARNING

Students have the opportunity to demonstrate what they've learned by participating in co-curricular student organizations such as HOSA: Future Health Professionals. In addition, students may elect to participate in the Debate Team, Student Council, Yearbook and Math League.

OUR GRADUATES HAVE BEEN ACCEPTED TO THESE COLLEGES AND UNIVERSITIES

Arcadia University	Massachusetts College of Pharmacy and Health Sciences	Saint Peter's University
Boston University	Massachusetts Institute of Technology	Seton Hall University
Bradley University	Mercer County Community College	Smith College
Carnegie Mellon University	Monmouth University	Stevens Institute of Technology
Case Western University	Montclair State University	Stockton University
Centenary College	New Jersey Institute of Technology	Temple University
Cheney University of Pennsylvania	New York Institute of Technology	The College of New Jersey
Coastal Carolina University	New York University	University of Bridgeport
Coppin State University	Northeastern University	University of Delaware
Cornell University	Pace University	University of Illinois
Drew University	Pennsylvania State University	University of Maryland - College Park
Drexel University	Philadelphia University	University of the Sciences
Duke University	Princeton University	University of Virginia
Emory University	Purdue University	Ursinus College
Fairleigh Dickinson University	Quinnipiac University	Villanova University
Florida Southern College	Ramapo College	Western Washington University
Georgian Court University	Richard Stockton College of New Jersey	William Paterson University
Hollins University	Rider University	Virginia Commonwealth University
Johns Hopkins University	Roanoke College	Washington College
Juniata College	Rowan University	West Virginia State University
Kean University	Rutgers University, New Brunswick	Westminster College
Lehigh University	Saint Bonaventure University	William Patterson University
Louisiana State University		York College of Pennsylvania

AWARDS AND DISTINCTIONS

2010—2011

- Health Science Academy was founded in September 2010.
- Eight students won at the New Jersey State HOSA Competition.

2011—2012

- A sophomore launched a Model UN club.
- Two sophomores from the Health Science Academy were elected as New Jersey HOSA State Officers.
- Seven students attended the National HOSA Conference.

2012—2013

- A sophomore was selected as a finalist in the Education Hero - Individual category in the 2012 Healthcare Heroes awards program.
- KidsBridge, a local non-profit organization, honored the junior class with a group Humanitarian Award for the thoughtful implementation of Cultural Day.
- Three juniors attended the HOSA Washington Leadership Academy.
- Three Health Science Academy students were elected as HOSA state officers.
- One student participated in the Governor's School Program in Science.
- Five students attended the National HOSA Conference.

2013—2014

- Five students served at the State HOSA Officer level.
- Health Science Academy students participated in the Brain Injury Alliance of New Jersey's 4th Annual 'U Got Brains Champion Schools Program'
- A senior was selected by First Lady Mary Pat Christie as a 2014 Spirit of a Hero Scholarship recipient.

AWARDS AND DISTINCTIONS

2013—2014 (continued)

- Nine students qualified for the National HOSA Competition.
- The first class of 19 student graduated.

2014—2015

- Four students were elected as NJ HOSA State Officers.
- 2014 graduate was elected as HOSA's National Executive Council Regional III Vice President.
- Mercer County Community College awarded the MCTS Health Science Academy with the 2014 Partner in Learning Award.
- Senior received the Student Leader of the Year Award from the New Jersey Association of Student Councils.
- Four students were elected as NJ HOSA State Officers.
- Senior was selected to participate in the 2015 Public Health Leadership Seminar with the Office of the Assistant Secretary for Preparedness and Response and the Office of the U.S. Surgeon General led by the Medical Reserve Corps.
- Junior was selected by Columbia University to participate in the Science Honors Program (SHP) during the 2015-2016 school year.
- Junior was selected to participate in the Kean University summer program for Bio chemical research
- Two students participated in the New Jersey's Governor's School programs in Science or Engineering
- Seven students attended the National HOSA Conference

2015—2016

- US News and World Report's Best High School List—Bronze medal
- Three students were named Commended Students in the 2016 National Merit Scholarship Program
- Sophomore self-published a book about a teenage girl's journey leaving a South Asian country to live in the Unites States
- Student elected as NJ Association of Student Council President
- Three HOSA NJ State Officers elected
- The Professional Engineers Society of Mercer County awarded Mr. Pfeffer the STEM Teacher of the Year and a senior scholarship
- Student won the Plainsboro Human Relations Council's Youth Award
- Student won the Mercer County Commission on the Status of Women's Young Women of Achievement Award
- Two students earned a summer internship with the Surgeon General in Washington, D.C.

2016—2017

- Senior named U.S. Presidential Scholar
- Three HOSA NJ State Officers elected
- Two students earning a summer internship with the U.S. Surgeon General
- Senior earns diploma and MCCC Associate Degree in Mathematics
- Students earned 211 Rutgers credits
- Student Council received *Standards of Excellence* award from the NJ Association of Student Councils
- Sophomore student selected by First Lady Mary Pat Christie as the 49th NJ Hero