

# The Academy: Health Science Academy's High School Program



## Member of the STEM PUSH Network, an NSF INCLUDES Alliance

The Health Science Academy (HSA) is a STEM health science enrichment, afterschool pipeline program that prepares under-represented students to succeed in college health science courses. The Academy, HSA's 3-year high school program, provides advanced educational opportunities to high achieving students. The Academy is offered in partnership with SUNY, Health Sciences University (SUNY-HSU). SUNY-HSU provides the physical resources to hold weekly anatomy & physiology classes & labs.

### The Academy emphasizes & develops several targeted outcomes, including:

- Scientific reasoning skills
- Knowledge & training in biology, research, and presentation skills
- Understanding of health disparities & impact of the social determinants of health
- Understanding how racism operates in STEM pathways and how to navigate it
- STEM identity & sense of belonging



Students demonstrate these skills in college-level courses through research projects, poster presentations, assignments, and group work.

## About STEM PUSH

STEM PUSH, an NSF INCLUDES Alliance, is a national network of pre-college STEM programs who are engaging youth historically underrepresented in STEM to learn & do in-depth, authentic science, and ultimately to persist in STEM through college & beyond. More information available at [stempushnetwork.org](http://stempushnetwork.org).



## The Academy Features

### STEM Focus

Health Science



**Three year** science enrichment program

**13 week** fall & spring semesters with optional summer programming

**Free** for students to attend

**140** 10-12th grade students served each year

**>90%** of students are underrepresented in STEM

## Academy Results

**>86%** of the Academy alum attend college

**>88%** of alum enrolled in college **pursue degrees in health science**

**75%** of alum enrolled in college **graduate with STEM degrees**

## Alumni have attended the following institutions:

- CUNY colleges, including:
  - Brooklyn
  - Hunter
  - Sophie Davis School of Biomedical Education's BS/MD program
- University of Southern California
- Long Island University
- Howard University
- Harvard University
- St. John's University
- Spelman College
- SUNY Albany
- Swathmore College

## College scholarships

awarded by HSA to select Academy students annually. Alumni are also awarded national scholarships (e.g., **Posse & Questbridge**)

**>95%** of HSA undergrad alumni **plan to pursue additional education**

## College prep

modules featured in Academy curriculum include **Strategies for Academic Success & Research Skills**

## Research internship & academic enrichment

opportunities, including paid clinical and community participatory internships, offered to Academy students & alumni

# The Health Science Academy

The Academy utilizes an evidence-based academic enrichment curriculum that fosters students' interest in health science and prepares them for college.

**Academy students take college-level anatomy and physiology classes with laboratory components and a focus on health disparities.**

## Clinical modules include:

- Health Disparities & Human Body Systems
- Reproductive
- Neurological
- Cardiology
- Respiratory
- Digestive

Many Academy alumni return to participate in summer internships with the Institute, and as Academy instructors, interns, and guest lecturers. Alumni become part of a supportive network that helps them progress towards graduation from college. HSA is expanding outreach to alumni to better support their navigating applications to graduate/medical school and entering the job market.

The Arthur Ashe Institute for Urban Health, founded in 1992, is grounded in community-based research, health promotion and health education programs. In 1994, the Institute created the **Health Science Academy** as a pipeline health science program for students of color. HSA's pipeline consists of three components: Middle School (grades 6-8), 9th Grade Bridge, & the 3-year Academy (grades 10-12). The HSA pipeline serves over 250 students each year.

Since 1994, the HSA pipeline has served over 2,800 students, grades 6-12 and alumni. HSA aims to train and inspire the next generation of culturally sensitive and diverse health care professionals of color through research skills classes and research internship opportunities.

## Connect with Arthur Ashe's Health Science Academy!



Contact Rachel Novick, Alumni Coordinator, at [info@healthscienceacademy.org](mailto:info@healthscienceacademy.org) to schedule a visit.

More information about the Health Science Academy is available at [arthurasheinstitute.org/health-science-academy](http://arthurasheinstitute.org/health-science-academy).