

BAYSIDE HIGH SCHOOL & HEALTH SCIENCES ACADEMY

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MISSION STATEMENT

To support community health care needs, the Bayside High School Health Sciences Academy, in cooperation with local medical professionals and educational institutions, will prepare students for health care careers by providing specialized educational opportunities.

AN INNOVATIVE EDUCATION

The Health Sciences Academy (HSA) is the only Academy to focus on the medical sciences. Students will gain a perceptive understanding of anatomy, physiology and pathophysiology with a combination of didactic college level lectures and lab activities. Depending on whether the student wants to pursue a degree in medicine, veterinary medicine, dentistry, pharmacy, physical therapy, nursing, or other various allied health professions, students will be able to select additional medical elective courses of interest. As a “school within a school” the HSA is a college preparatory program where students begin AP classes in the 9th grade. The Academy’s specialized health sciences curriculum offers six(6) weighted medical science classes and offers over 18 *Advanced Placement* classes.

CURRICULUM

The Health Sciences Academy operates on the belief that students learn best by being actively engaged. Recognizing that students have different learning styles and abilities, teachers, provided with a well-balanced curriculum, will use a variety of instructional techniques and make educationally sound decisions based upon the analysis of data. The Health Sciences Academy will create an educational community that focuses on empowering all students through a supportive network of professionals in order for them to become successful, motivated 21st Century Learners.

Through advanced curricula, community partnerships, and committed faculty, the Health Sciences Academy will facilitate student awareness of medical related professions while providing individual skills and knowledge necessary for lifelong learning. The Health Sciences Academy will maintain a status for excellence in the health professions community, the educational community, and the community at-large. The Health Sciences Academy endeavors to provide opportunities for staff development for the improvement of educational instruction and leadership.

GRADUATION REQUIREMENTS

Students enrolled in the Health Sciences Academy are expected to complete the state-mandated requirements for the 26-credit **Advanced Studies Diploma**. The credit requirements are as follows:

Mathematics	4	(Minimum)
Science	4	(Minimum)
Language Arts	4	
Social Studies	4	
Foreign Language	3	<i>(3 years of 1 language or 2 years of 2 languages)</i>
Health & Phys Ed	2	
Economics & Personal Finance	1	
Fine/Practical Art	1	
Electives	3	
Total	26	

Required HSA Coursework:

- 9th Grade **Introduction to Health Occupations**
- 10th Grade **Human Anatomy**
- 11th Grade **Physiology & Pathophysiology I**
- 12th Grade **Physiology & Pathophysiology II**

Students must also complete 1 credit of ANY Academy Elective.

HEALTH SCIENCES ELECTIVES

- Hereditary Medicine*
- Medical Microbiology*
- Medical & Biological Applications in Advanced Mathematics*
- Comparative Anatomy
- Forensic Medicine I & II
- Medical Research and Writing
- Dual Enrollment Emergency Medical Technician (with certification)
- Medical Illustration/Anatomical Architecture
- Anatomy and Sports Injury
- Medicinal Chemistry
- AP Psychology*

* DENOTES WEIGHTED CREDIT CLASSES

STRONG COMMUNITY SUPPORT

The Health Sciences Academy has developed partnerships with over 40 medical and health care providers in Hampton Roads. The HSA has strong partnership with Sentara Hospitals and Eastern Virginia Medical School (EVMS). One of the strongest partnerships is with St. George’s University in Grenada, where top Academy graduates are offered conditional agreements to medical and veterinarian school. Academy students are also involved in multiple community outreach programs.

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Program Information

2016 - 2017



SOME OF THE COLLEGES & UNIVERSITIES ADMITTING HSA STUDENTS

- Clemson University
- The College of William & Mary
- Columbia University
- Cornell University
- Duke University
- East Carolina University
- Eastern Virginia Medical School
- Florida State University
- George Mason University
- George Washington University
- Georgia Tech
- Hampden Sydney University
- Harvard University
- James Madison University
- New York University
- Old Dominion University
- Princeton University
- Rice University
- St. George's University
- University of Miami
- The University of Virginia
- The University of Virginia Medical School
- United States Naval Academy
- United States Air Force Academy
- Vanderbilt University
- Virginia Commonwealth University
- Virginia Military Institute
- Virginia Tech

2016 STATE LEADERSHIP CONFERENCE RESULTS

- State Finalists in 24 of 33 events competed in
- 17 State Champions
- 62 students placed in top 5 in Virginia
- 2 students were elected as State Officers

IMPORTANT ACADEMY DATES

HSA INFORMATION NIGHT
Bayside High School
Thursday, December 1, 2016
6:30 - 8:30 pm.

APPLICATION DEADLINE
January 9, 2017

NOTIFICATIONS
February 17, 2017

LETTERS OF INTENT DUE
February 28, 2017

HSA CLASS OF 2016

- Nearly 30% of the class was offered conditional acceptance to St. George's University School of Medicine and School of Veterinary Medicine.
- Offered just over \$4.4 million in scholarships.
- Accumulated more than 26,000 hours of community service hours during their 4 years in the Health Sciences Academy.

ACADEMY CLUBS AND ORGANIZATIONS

- Medical Honor Society
- Operation Smile
- HOSA
- Special Projects w/elementary schools (**forensic labs, Health Day, tutoring & mentorship programs**)
- Summer Medical and Vet Academy in Grenada
- Global Public Service Academy

COMMUNITY PRACTITIONER PARTNERSHIPS

- Dr. Craig Goodmurphy, EVMS, Dept. of Anatomy
- Dr. Paula Abrahams, Audiologist, ENT
- Dr. Timothy Budorick, Orthopedic Surgeon
- Amy Celec, Speech Pathologist
- Street Coale & Dr. Guthrie, Virginia Zoo
- Cindy Cooper, Occupational Therapist
- Atlantic Orthopedic Physical Therapy
- Dr. Patrick Gerbus, Pediatrician
- Wayne Gilbert & Dr. McKendry, Virginia Beach Animal Shelter
- Dr. Auturo Gonzalez, Chiropractor, Alliance Chiropractic & Rehabilitation
- Dave Halla, Pharmacist
- Natalie Heide, Physician Assistant
- Dr. Horn
- Jodi Frame Lee, RN, Sentara Leigh
- Dr. Fred Ochave, Dentist
- Dr. Patty Lott, Dentist
- Donna Merchant, Social Worker
- Solomie Mesghina, Physician Assistant
- Mary Ann Peterson, PT Elementary
- Dr. Carlos Silva, Pulmonologist
- Lori Wood, EVMS Ophthalmology
- Ruth Smith, EVMS Librarian
- Michael R. Simpson, DO, MS, FAFAP
- TCC—Health Sciences Programs
- Sentara Hospital Laboratories
- Children's Hospital of the King's Daughters
- Public Health Masters' Program at EVMS
- Sentara College of Health Professions

INFORMATION RESOURCES

Virginia Beach Schools Website: www.vbschools.com
HSA Website: www.baysidehs.vbschools.com/academy/index.html
FACEBOOK Page: <http://tinyurl.com/bhs-has>
Twitter: @hsa_bhs