



# Monmouth County Academy of Allied Health and Science

## Monmouth County Vocational School District

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### Mission Statement

The Monmouth County Academy of Allied Health and Science prepares and motivates students to pursue further education towards a career in the health science professions through a rigorous specialized curriculum and community-based partnerships, inspiring students to serve society with compassion, skill and vision.

### Milestones

Three time U.S. Department of Education Blue Ribbon School of Excellence Designee (2018, 2007, and 2001-02)  
Ranked in the top 10 STEM high schools nationally by U.S. News and World Report 2013 and 2016  
Ranked 9<sup>th</sup> and 12<sup>th</sup> nationally by Newsweek in 2015 and 2016  
National Intel/Scholastic School of Distinction and "Best of the Best" 2004-2005  
Governor's School of Excellence 2003-2004  
Recognized as a Star School and for Best Practices by the New Jersey Department of Education 1999-2000  
National Service-Learning Leader School 1998-99

**Accreditation:** The Monmouth County Academy of Allied Health and Science received accreditation from the Middle States Association of Colleges and Schools in 2016, 2005, and 1999. The school is approved by the New Jersey Department of Education.

| Graduating class                          | 2020                | 2019                | 2018              |
|---|---------------------|---------------------|-------------------|
| Senior class size                         | 73                  | 71                  | 70                |
| National Merit Commended Scholars         | 9                   | 12                  | 9                 |
| National Merit Semi-Finalists / Finalists | 1                   | 1                   | 0                 |
| SAT Evidence-Based Reading & Writing Mean | 680 n = 71          | 690 n = 69          | 689 n = 64        |
| SAT Math Mean                             | 707 n = 71          | 708 n = 69          | 713 n = 64        |
| ACT Composite                             | 31.24 n = 25        | 31.5 n = 27         | 30.5 n = 36       |
| AP Calculus AB Results: % 4 or 5/ average | 93.5% / 4.58 n = 29 | 95.8% / 4.83 n = 24 | 95% / 4.70 n = 20 |
| AP Calculus BC Results: % 4 or 5/ average | 100% / 4.9 n = 20   | 100% / 5 n = 20     | 100% / 4.8 n = 20 |

### Specialized and Exemplary Programs

**Dual Enrollment Curriculum:** Graduating seniors may have achieved college credits in the following courses:

**Georgian Court University:** Intro to Cell and Molecular Biology.

**Rutgers University, School of Health Professions:** Dynamics of Health Care in Society, Anatomy and Physiology 1, Anatomy and Physiology 2, Nutrition, and Medical Terminology.

### Clinical Experience:

Freshmen visit a variety of health care delivery providers through structured field trips.

Sophomores serve as volunteers at Jersey Shore University Medical Center, rotating through the departments.

Juniors experience a wide range of careers available in allied health in the community with an emphasis on public health through service learning course objectives.

Seniors participate in an eight-week Mentorship program. They work side by side with a professional for nine hours a week providing services for clients or patients. At the conclusion of the Mentorship, each student delivers a multimedia presentation to a seminar of peers, parents and mentors. This summative exposition helps the student gain perspective on their field experience and informs other students on the variety and scope of health professions.

**Block schedule:** There are four class periods each day. Each class lasts for eighty-five minutes. Courses are taught for one-half of the school year. Block scheduling has been in place since the school opened in 1996.

**Honors:** Students at the Monmouth County Academy of Allied Health and Science are enrolled in the same core curriculum. All courses at the Academy are honors level in rigor, comprehensiveness, scope and sequence. No courses are designated as honors because all courses are taught at the honors level.

## MCAAHS Course of Study

Students must accumulate 160 credits to graduate.

### **Freshman Courses**

|                                     |             |
|-------------------------------------|-------------|
| Algebra 1 or Geometry or Alg 2/Trig | 5 credits   |
| Biology (lab)                       | 5 credits   |
| Computer Applications               | 5 credits   |
| English 1                           | 5 credits   |
| AH Clinical Skills                  | 2.5 credits |
| Fitness for Life 1                  | 2.5 credits |
| Dynamics of Health Care DE          | 5 credits   |
| World History                       | 5 credits   |
| World Language                      | 5 credits   |

### **Junior Courses**

|  |             |
|--|-------------|
| Alg 2/Trig, PreCalc, or Statistics     | 5 credits   |
| Anatomy and Physiology 2 (lab) DE      | 5 credits   |
| English 3                              | 5 credits   |
| Fitness for Life 3                     | 2.5 credits |
| Financial Literacy                     | 2.5 credits |
| Introduction to Public Health          | 2.5 credits |
| Nutrition DE                           | 2.5 credits |
| Physics (lab)                          | 5 credits   |
| US History 2                           | 5 credits   |
| World Language                         | 5 credits   |
| Visual and Performing Arts (Pass/Fail) | 5 credits   |

### **Sophomore Courses**

|                                   |             |
|-----------------------------------|-------------|
| Anatomy and Physiology 1 (lab) DE | 5 credits   |
| Chemistry (lab)                   | 5 credits   |
| English 2                         | 5 credits   |
| Fitness for Life 2                | 2.5 credits |
| Geometry, Alg 2/Trig, or PreCalc  | 5 credits   |
| Healthy Relations                 | 2.5 credits |
| Principles of Computer Technology | 5 credits   |
| US History 1                      | 5 credits   |
| World Language                    | 5 credits   |

### **Senior Courses**

|  |              |
|--|--------------|
| Advanced Chemistry (lab)               | 5 credits    |
| Mind, Body, Medicine *                 | 5 credits    |
| AP Calculus – AB or BC *               | 10 credits   |
| EMT Cert or Intro to Phys Therapy DE * | 4 credits    |
| English 4                              | 5 credits    |
| Fitness for Life 4 (Pass/Fail)         | 3.75 credits |
| Intro to Cell/Molecular Biol (lab) DE  | 5 credits    |
| Mentorship                             | 4 credits    |
| Forensics                              | 1 credit     |
| PreCalculus or Calculus *              | 5 credits    |
| Sign Language                          | 1 credit     |
| World Language *                       | 5 credits    |
| Human Geography*                       | 5 credits    |

DE = Dual Enrollment course

\* Elective choices. Students must take three years of World Language. Seniors may elect to take Spanish 4 or 5. Students must take four years of Math. The math sequence is based on 9<sup>th</sup> grade math placement. Seniors may elect to take Calculus after Pre-Calculus, or request to take AP Calculus. AP Calculus is a two-semester course.

### Rank

Students are admitted through a competitive admissions process. Due to this and the rigor of the academic program, and in accordance with Board of Education Policy, class rank is not reported.

### Grading Policy

Grades that fall between 100 and 92 are designated Superior Proficiency (A), 91 to 85 are Above Average Proficiency (B), 84 to 77 are Proficient (C), and 76 to 70 are Partial Proficiency (D). Below 70 is not proficient and no credit is awarded. Grades are not weighted.

*\*As a result of COVID-19, Spring 2019, Academy of Allied Health and Science continued to instruct all classes online. Our grading policy was not substantially modified and numerical grades were issued.*

### School Activities

- 4-H and Service Club
- Academic Team
- HOSA-Future Health Professionals
- Key Club
- Math League
- Mock Trial/Model UN
- National Honor Society
- Pulse, Humanities Club
- School Wellness Club
- Science Club
- Student Government
- Yearbook

As a countywide high school, AAHS does not offer sports, although many students participate in athletics and performing arts at the high schools in their sending districts.