



Health Science Academy

Assunpink Center

The healthcare industry is one of the fastest-growing employment sectors, as well as the number one employer in Mercer County. The overall health of New Jersey's economy and people is clearly tied to the capabilities of this evolving profession. The Health Science Academy will help to prepare students for a wide array of career opportunities in the healthcare field including nurses, surgical technicians, physicians, dentists, pediatricians, physical therapists, dietitians, pharmacists, and other healthcare occupations. Students will learn professional responsibility, how to assess patient needs, workplace-ready skills, medical terminology, and patient safety. This immersive program educates students in the healthcare profession, mental health, community health, and theoretical foundations of nursing and applications of the nursing process.

Throughout the duration of the program, students learn to use a wide range of professional medical equipment in a professional setting, as classrooms are designed to mirror real-world medical offices and institutions. This pathway includes a rigorous series of courses, including Dynamics of Healthcare, Medical Terminology, Anatomy & Physiology I, and Anatomy & Physiology II. All Health Science students join their respective Career Technical Student Organization, HOSA-Future Health Professionals, and are continually challenged as they compete in local, regional, and state-level competitions. Senior year, students have the opportunity to enroll in Mercer County Community College to continue their career progression through dual enrollment courses.

Health Science Academy students earn industry-valued credentials each academic year through their Clinicals, labs, and Emergency Care coursework. Students in year one (1) will earn their Blood Borne Pathogens certification. In year two (2), students will earn their basic lifesaving skills & CPR certification, and First Aid certifications through the American Heart Association. In year three (3), students will earn their Automated External Defibrillator (AED) certification through the American Heart Association. Membership in the Career Technical Student Organization of HOSA (Health Occupation Students of America) is included as an intra-curricular part of this Academy. Students who successfully complete our Health Science Academy pathway will also earn dual credits as part of our dual credit arrangement with Mercer County Community College.

Industry Valued Credentials & Certifications

- OSHA 10-Hour (Healthcare)
- Blood Borne Pathogens (AHA)
- CPR / BLS - (AHA)
- Heart Saver CPR / AED - (AHA)

Dual Enrollment & Articulation Agreements

- Mercer County Community College
- Fairleigh Dickinson University
- Rutgers University
- Rochester Institute of Technology



Assunpink Center
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Trenton, NJ 08690
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Admissions

mcts.edu/admissions



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Health Science Academy

Course Sequence



Core	Grade 9	Grade 10	Grade 11	Grade 12
English Language Arts	English I	AP Seminar: English II	English III	English IV
Mathematics (*)	Algebra I or Geometry	Geometry or Algebra II	Algebra II, or AP Pre-Calculus	MAT125 Elementary Statistics I
Science	Biology	Chemistry	Physics	CHE107 General Chemistry
Social Studies	World History	US History I	US History II	PSY101 Intro to Psychology
				PSY207 Developmental Psychology
Financial, Economic Business, and Entrepreneurial Business Literacy			Foundations in Personal Finance	CSW100 College Success & Wellness
Health, Safety, and Physical Education	Physical Education & Health I	Physical Education, Health II and Drivers Education	Physical Education & Health III	Physical Education & Health IV
Visual and Performing Arts		Visual & Performing Arts Seminar		
World Languages	Spanish I/ Spanish II	Spanish II		
21st Century Life & Careers, OR Career Technical Education	Dynamics of Healthcare	Medical Terminology	Anatomy & Physiology I	BIO104 Anatomy & Physiology II*
				BIO201 Microbiology
	Principles of Biomedical Engineering (PLTW)	Human Body Systems (PLTW)	Emergency & Clinical Care	HPE101 Nutrition
Technology	Integrated throughout all courses			

- Students have the opportunity to earn up to sixty (60) credits at Mercer County Community College, per the requirements in the articulation agreement.
- Bolded courses** provide opportunity for students to earn dual enrollment credit on MCTS campus. See specific course descriptions details by visiting, www.mcts.edu/admissions
- All post-secondary agreements are reviewed annually.
- All courses **may be subject to change***
- Board Approved 03/19/2025
- Created 09/12/2025

Admissions
mcts.edu/admissions

