



## Health Science Academy

### Assunpink Center

The Health Science Academy is a full-time, 4-year program offered by the Mercer County Technical School District. 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.

#### OCCUPATIONAL OUTLOOK

Employment of health care occupations is projected to grow 19% between 2014 and 2024.

#### RELATED CAREERS

Acute and Critical Care Nurse, Dentist, Laboratory Scientist, Medical Doctor, Pharmacist, Physical Therapist, Radiologist, Registered Nurse and LPN, Veterinarian.

#### SKILLS/KNOWLEDGE

Critical-thinking skills, communication skills, compassion, detail oriented, emotional stability, organizational skills, physical stamina.

#### SKILLS /KNOWLEDGE

- Record patients' medical histories and symptoms
- Administer patients' medicines and treatments
- Set up plans for patients' care or contribute to existing plans
- Observe patients and record the observations
- Consult and collaborate with doctors and other healthcare professionals
- Operate and monitor medical equipment
- Teach patients and their families how to manage illnesses or injuries

Source: [www.bls.gov](http://www.bls.gov)



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# 2021-2022

# Health and Science Academy

## Typical Scope & Sequence of Courses

Core	Grade 9	Grade 10	Grade 11	Grade 12
<b>English</b>	English I World Literature	English II American Literature	English III American Literature II Creative Writing (1/2 Year)	ENG 101 English Composition (3 Credits)
<b>Social Studies</b>	World History	US History I (US History to 1865)	US History II (US History since 1865)	SOC101 Introduction to Sociology (MCCC) (3 Credits)  PSY101 Introduction to Psychology (MCCC) (3 Credits)
<b>World Language</b>	Spanish I	Spanish II	Spanish III	MCCC Elective
<b>Biological and Physical Science</b>	BIO113 The Biology of the Organism (3 Credits)  Global Health	Chemistry  Dynamics of Health Care (Rutgers) (3 Credits)	Anatomy and Physiology I (Rutgers) (3 Credits)  Physics	Anatomy and Physiology II (Rutgers) (3 Credits)  Organic Chemistry
<b>Mathematics (*)</b>	Algebra I or Geometry	Algebra II or Geometry	Algebra II or MAT146 Pre Calculus (MCCC) (4 Credits)	MAT146 Pre Calculus (4 Credits) or MAT125 Elementary Statistics (3 Credits) or MAT151 Calculus I (4 Credits) or MAT152 Calculus II (4 Credits) or MAT200 Statistics (3 Credits) or MAT251 Calculus III (4 Credits) (MCCC)
<b>Physical Education</b>	Fitness & Health I	Fitness & Health II and Drivers Education	Fitness & Health III and Intro to Personal Fitness	Fitness & Health IV or HPE 110 Concepts of Health and Fitness (MCCC) (2 Credits)
<b>Interdisciplinary Studies, Health Sciences Internship</b>	Forensic Speech	Personal Financial Literacy (1/2 Year)  Coding (1/2 Year)	Medical Terminology (Rutgers) (3 Credits)	MCCC Elective

Credits earned: 34+ credits

High School Credits: satisfied

\*Students may be accelerated based upon level