



Medical and Health Specialties Program @ Maury High School Application Process for entering 2021-2022 school year

Applications Requirements & Procedures

Applicant Criteria

- Completed the High School Specialty Program Application. This will be available beginning November 3rd 2020 on the NPS webpages.
- Norfolk Resident
- A's& B's in classes and 2 High School Credits: Algebra 1 plus one additional high school credit (science is preferred)
- Good discipline & attendance record
- Strong standardized test scores
- Positive teacher recommendations

**APPLICATION DEADLINE TO
MIDDLE SCHOOL COUNSELOR:
January 22nd 2021**

**INVITATIONS TO TEST WILL BE
MAILED THE FIRST WEEK OF MARCH**

**TESTING & ESSAY WRITING SAMPLE FOR SELECT STUDENTS
WILL BE HELD AT MAURY,
SATURDAY MARCH 19th 2021
(PLEASE SET ASIDE THIS DATE)**

**Invitations to test will be based upon an initial review
of all components in the student application.**

TESTING SCHEDULED BY INVITATION ONLY

**An additional part of the testing process will include a writing sample.
Students will be expected to complete an essay prompt after the test administration.
All materials will be provided, but feel free to bring a favorite pen.**

**50 APPLICANTS
WILL BE ACCEPTED
Transportation will be
provided for
out of district students**

**Final notification of application status will be mailed the third
week of April**

**A student will receive only one letter: either an acceptance to
one program as ranked on their application or a denial letter**

**Note: applicants must indicate on
their application their top three
choices of programs.**

**Accepted students must respond to
Maury High School no later than May 3rd 2021**



**MATTHEW F. MAURY HIGH SCHOOL
322 SHIRLEY AVENUE
NORFOLK, VIRGINIA 23517**

**ANNE CHRISTIE
MHSP PROGRAM LEADER
757-628-3344 X 3025**

There are several key classes which make up the curriculum for the Medical and Health Specialties Program: BioMed; ChemMed; Anatomy and Physiology and Accelerated Health and Physical Education 9. Each of these classes will have medical applications enriching the basic curriculum. Specific course descriptions are listed below. Seniors will be required to select one of five possible classes as their core class for the senior year: BioEthics; Forensic Science or Sports Medicine.

ACCELERATED HEALTH & PE 9: FRESHMEN: All ninth grade MHSP students are required to take the specially designed Accelerated Health component integrated into PE 9. Essentially, this course is an introduction to anatomy and will provide students an overview of the human body. Special focus will include medical applications as they pertain to the human body systems, including the integumentary system, the cardiovascular system, the respiratory system, the skeletal system, the muscular system and the reproductive system. Specific diseases, conditions and treatments as they relate to each of these areas will be covered. Varied enrichment opportunities will enhance the career awareness of the students.

BIOLOGY w/MEDICAL APPLICATIONS: FRESHMEN: This course is the first in the sequence of required science classes. Included in the curriculum will be cell theory, bio-chemical processes, scientific investigations and the study of life functions including theories of evolution and natural selection. Specially designed mini-labs will focus on special sense and body systems. Speakers, field trips and peer mentoring will support the curriculum. **ALL MHSP freshmen students will take BioMed.**

NOTE: Students who have not completed Biology in middle school will also take Honors Biology.

CHEMISTRY w/ MEDICAL APPLICATIONS: SOPHOMORES: The study of chemistry will take on greater importance to the students in the MHSP as they explore in depth the intermingling between science and medicine. An introduction to the chemical basis of medications, chemical interactions within the body such as ion levels, issues of solubility in relationship to tooth decay as well as reaction rates as they related to body temperature and organic chemistry are but a few of the applications to be explored. Students will have specially arranged field trips to observe surgical procedures, clinical settings and specific lab techniques in practice.

SPORTS MEDICINE 1 & 2 : UPPER CLASSMEN This elective course is designed to introduce & familiarize the student to the field of sports medicine. Students will look at issues & skills associated with athletic training and sports medicine; focus on anatomy, recognition and treatment of various injuries and conditions related to the athlete. Labs will introduce the student to hands-on evaluation and treatment of injuries.

ANATOMY PHYSIOLOGY: JUNIORS: Building upon the introduction to anatomy in the accelerated health & PE class, this human anatomy and physiology class will provide a comprehensive, year-long examination encompassing topics covered in all prior MHSP science courses. Students will have an in-depth study of each body systems, including: anatomical structure, skeletal physiology as related to the muscular system; the sensory system, the endocrine, circulatory, lymphatic, immune, digestive, urogenital and respiratory systems as well as homeostasis, diagnostics, scientific terminology and development. Students will attend classes held in the labs of the Eastern Virginia Medical School and have unique learning experiences including working in the cadaver lab and clinical rotations.

AP CAPSTONE: RESEARCH METHODOLOGY: JUNIORS & SENIORS: 2 YEAR COURSE: Implemented in the 2018-2019 school year, this two year AP level course is designed to allow students to delve into research methodology and explore topics and issues in areas of specific interest. Students will focus, develop, implement and present during the senior year, a culminating "Capstone Project".

BIOETHICS: SENIORS: Students will study ethical issues as they apply to fields such as health care, medical science and medical technologies. Students will be asked to justify and/or refute answers to difficult ethical questions related to topics such as, but not limited to, human cloning, medical research, organ recipients, euthanasia, etc. Students will be given an in-depth look at moral philosophy as it relates to medical, scientific, technological and legal fields.

FORENSIC SCIENCE: SENIORS & SELECT SOPHOMORES: This course presents the scientific principles, laboratory and field methods forensic scientists use to solve problems. Students will take on the various roles of crime scene investigator, scientist and medical examiner in order to collect and evaluate evidence in a problem-solving environment. Topics include DNA technology and its uses, toxicology, anthropology, entomology, evidence law, criminalities and career opportunities.

EMERGENCY MEDICAL RESPONDER: SENIORS: Specifically geared for students who have an interest in pursuing studies in a health or medical related career, the Commonwealth of Virginia EMS Emergency Medical Responder (EMR) curriculum will be taught in this class. Lectures, group-work, projects, practical lab work and other activities will prepare students to sit for two exams; students who successfully complete the course and pass these exams will be awarded national and state level certification in EMR.

For more information contact:
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