



Medical and Health Specialties Program @ Maury High School Application Process 2017-2018

Applications Requirements & Procedures

For the 2018-2019 school year

Applicant Criteria

- Completed the High School Specialty Program Application. This will be available beginning November 1st 2017 on the NPS webpages.
- Norfolk Resident
- GPA of 3.0 and 2 High School Credits...preferably algebra 1 and one high school science course
- Good discipline & attendance record
- Strong standardized test scores
- Positive teacher recommendations

*Please note: meeting this criteria does not guarantee a space in the program.
This is a competitive process with multiple components*

APPLICATION DEADLINE TO
MIDDLE SCHOOL COUNSELOR:
January 31st 2018

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 10th 2018
(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 LETTERS TO APPLICANTS
WILL BE MAILED MID-APRIL

ACCEPTED APPLICANTS MUST RESPOND TO
MAURY HIGH SCHOOL NO LATER THAN MAY 1st 2018



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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 three 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.

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

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.

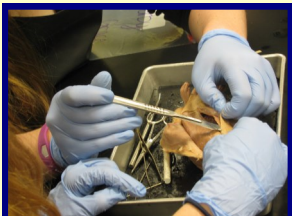
ANATOMY PHYSIOLOGY: JUNIORS: Building upon the introduction to anatomy in the accelerated health & PE class, this human anatomy and physiology class will provide a comprehensive, year-long examination encompassing topics covered in all prior MHSP science courses. Students will have an in-depth study 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.

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: 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 .

SPORTS MEDICINE: SENIORS: This course is designed to introduce the student to the field of sports medicine. Students will look at issues 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.

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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