



MEDICAL GATEWAYS ACADEMY

Interested in a career in the health professions? The Gateways to Health program, begun in 1995, continues to attract many young women wishing to pursue this area of study. While completing academic studies, students are able to spend a day a week, involved in a clinical experience akin to their interests. Those eligible to participate seem to thrive on the challenges that they experience in these agencies. Moreover, they can then see the importance of their own education as it is the underpinning of future professional school endeavors.

STANDARD 1: PERSONAL HEALTH AND FITNESS

Students will have the necessary knowledge and skills to establish and maintain physical fitness, participate in physical activity, and maintain personal health.

STANDARD 2: A SAFE AND HEALTHY ENVIRONMENT

Students will acquire the knowledge and ability necessary to create and maintain a safe and healthy environment.

STANDARD 3: RESOURCE MANAGEMENT

Students will understand and be able to manage their personal and community resources.



**2020/
2021**

Introduction to Health

GRADE 9 | HALF-YEAR COURSE

This introductory course is designed to teach students the importance of promoting lifestyles that achieve and maintain good health. Focus will be on topics such as: components of health, nutrition, weight management and eating behaviors, physical activity and its benefits, communicable diseases, hygiene, medicine and drugs, alcohol, tobacco, growth and development, and Endocrine and Reproductive systems. They will also develop skills in communication, basics of research, computer literacy and leadership. This course fulfills the New York State requirement for a health course.

PREREQUISITE: NONE

Advanced Health and Careers

GRADE 10 | FULL-YEAR COURSE

This course is an introduction to the general health care environment, with emphasis on the health care teams and delivery systems. Students will be able to identify components of the health care system, discuss legal framework for healthcare occupations and scope of practice. Describe legal responsibility of consent and confidentiality. Recognize and explain medical terminologies, discuss career clusters, qualifications, job site safety, and demonstrate competence in job interview techniques. They will also be introduced to human anatomy. Goals will be accomplished through development of skills in research techniques, critical thinking, problem solving, oral presentations, communication and socialization.

PREREQUISITE: A GRADE OF 85% OR ABOVE IN INTRODUCTION TO HEALTH AND LIVING ENVIRONMENT; APPROVAL OF 9TH YEAR INTRODUCTION TO HEALTH TEACHER

Major Health Problems

GRADE 11 | FULL-YEAR COURSE

This course is a continuation of the Medical Gateways Academy. Using information from 9th and 10th grade health and science classes, selected health problems are examined. Accompanying this course is the Internship experience that must be applied for.

PREREQUISITES: PROGRESSIVE IMPROVEMENT IN THE CUMULATIVE GRADE POINT AVERAGE WITH A MINIMUM OF 85%.; A GRADE OF AT LEAST 85% IN ADVANCED HEALTH AND CAREERS; COMPLETION AND DOCUMENTATION OF 100 HOURS OF VOLUNTEER WORK; GOOD ATTENDANCE RECORD; PARENTAL/GUARDIAN APPROVAL; WORKING PAPERS; COMPLETION OF REQUIRED HEALTH FORMS FOR CLINICAL AGENCIES; RECOMMENDATION OF THE GUIDANCE DEPARTMENT AND THE ASSISTANT PRINCIPAL FOR STUDENT LIFE; APPROVAL OF THE GATEWAYS DEPARTMENT CHAIRPERSON.



**2020/
2021**

Global Issues in Health Care

GRADE 12 | FULL-YEAR COURSE

A continuation of the Medical Gateways Academy with an emphasis on global health issues, including political, economic, and ethical influences. Results of recent research, controversial issues in health insurance, care, and professional practice will also be studied. This is a blended online course.

PREREQUISITES: A PROGRESSIVELY INCREASING CUMULATIVE GRADE POINT AVERAGE; SUCCESSFUL COMPLETION OF THE PREVIOUS GATEWAYS COURSES AND INTERNSHIP; APPROVAL OF THE GATEWAYS DEPARTMENT CHAIRPERSON. ACCOMPANYING THIS COURSE IS THE FIELDWORK EXPERIENCE IN A VARIETY OF SETTINGS IN THE HEALTH CARE SYSTEM. THE FIELDWORK EXPERIENCE IS AN OPTIONAL EXPERIENCE FOR SENIOR STUDENTS. DURING THE YEAR VISITS TO HEALTH CARE FACILITIES WILL TAKE PLACE AS WELL AS ATTENDANCE AT VARIOUS SEMINARS OR CONFERENCES.

Anatomy & Physiology

GRADE 12 | FULL-YEAR COURSE

This course is designed to provide an in-depth study of the Anatomy and Physiology of the organs and organ systems of the human body. They will be exposed to various homeostatic imbalances in the systems, and ways to prevent the development of some of these diseases and disorders. Students will identify some equipment used in health care, and practice the skills of taking some clinical measurements such as temperature, respiration rate, and blood pressure. Other skills enhanced includes: critical thinking, analytical, problem solving, communication, socialization, and Internet research.

PREREQUISITES: NONE

