

**INNOVATION
GENERATION**



Health Science Pathway

Central Ohio jobs have changed dramatically over the last 30 years. And one of the fastest growing fields is health sciences. For a student who's passionate about medicine and technology or has a sincere desire to be involved in an industry where the goal is to help improve lives, a career path in health science might be a perfect fit.

Gahanna-Jefferson's Health Science pathway is designed with both the needs of students and the needs of our economy in mind. As part of an exciting new regional initiative called Innovation Generation, it gives students a chance to explore

their interests and apply their knowledge before graduation. Starting in fall of 2015, Gahanna-Jefferson students interested in a health science career will have an opportunity to learn about this exciting industry sector right at their own school.

What's in it for me?

The Innovation Generation pathways, including Health Science, give students both classroom and hands-on experiences that help prepare them for college or a job after high school.

Health sciences include a wide range of career opportunities, including:

Athletic Trainer,
median annual pay: \$55,000
Primary Care Sports Medicine,
median annual pay: \$150,000
Health Information Manager,
median annual pay: \$58,000
Pharmacy Technician,
median annual pay: \$25,625
Pharmacist,
median annual pay: \$107,403

Gahanna-Jefferson Courses

Middle School

Students will have an opportunity to enroll in a health science-related course in the eighth grade. In addition to building foundational academic and personal skills in students, these early experiences also allow students and families to gain familiarity to high school subjects that could be helpful in making career choices. In high school, courses become more specific to the skills needed for a career.

In the eighth grade, students will have an opportunity to explore health sciences through a course called Medical Detectives, designed by the nationally renowned Project Lead the Way program. In this course, students will solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs and learn how the human body systems work together to maintain health.

High School

In high school, most courses will offer dual-enrollment, meaning students can gain both high school and college credit while gaining exposure to fields such as fitness and sports science, medical assisting, health information management and clinical lab assisting.

These are foundational courses that will provide exposure to different health areas helping them to decide and pursue one of several pathways in different health areas. Courses with course codes provide dual credit opportunities.

Principles and Practices of Biomedical Technology

In this first course, students will use concepts, procedures, and equipment common to a professional medical laboratory. Students conduct problem-based studies, apply scientific methodology and use descriptive statistics to communicate and support predictions and conclusions. Students will follow procedures and protocols for handling, transporting, storing and preparing specimens. Further, students will sample, monitor, and record environmental conditions of the facilities. Emphasis is given to demonstrating professional and ethical behavior associated with the medical field.

***MLT 1100 Intro. to Health Care**

Intro. to Health Care provides a general introduction to health care in the U.S. covering topics such as history of Western medicine, legal and ethical issues, alternative medicine, safety issues, and the evolution of hospitals, medical education, and insurance. The course is taught through a combination of in-class and online materials and will provide students in health-related fields with the background necessary to pursue further studies.

2016-17 Implementation

***MULT 1500 Pharmacy Technician**

This course prepares students to work under the supervision of a registered Pharmacist in preparing medications for dispensing to patients according to physician orders. Topics covered include reading and interpreting prescriptions, dosage calculations, aseptic technique, drug compounding, dose conversions, inventory control, billing and reimbursement. This course prepares students for the Pharmacy Technician Certification Board Exam.

***HIMT 1121 Advanced Medical Terminology**

This course provides advanced study of medical terminology. Students learn how word parts determine the meaning of medical terms. Medical terminology of diseases/disorders, treatments, procedures, and pharmacological agents are also studied. Material is presented in a systems approach which includes an overview of anatomy and physiology, medical abbreviations, and pronunciation of medical terms.

***SES 1100 Personal Fitness Concepts**

Personal Fitness Concepts focuses on fitness issues which affect Americans today and into the future. Emphasis is placed on establishing a basis for positive fitness through a consideration of the various factors which influence fitness. Personal Fitness Concepts will focus attention on the need for each person to arrive at informed conclusions about how to take responsibility for his or her personal fitness.

***MULT 1010 Medical Terminology**

Medical Terminology is an introductory course which provides an overview of medical language. Emphasis will be placed on terms that are practical and commonly found in the day-to-day work of all allied health professions. This concise course gives basic principles for understanding the language with an overview of terms from many areas of medicine.

***HIMT 1111 Intro. to Health Information Management**

Students are introduced to the roles of the health information management technician in a variety of health care settings. The educational and credentialing requirements for the HIM professional will be discussed along with an overview of the U.S. health care delivery system and the various reporting and accrediting requirements.

***This course provides high school elective credit and three hours of college credit through Columbus State Community College.**