

Start College Now

Receive **FREE** college credit from Grand Valley State University or Ferris State University upon completion of the program.

These credits are direct and free! Students enrolled in the Academy participate in college coursework just by being enrolled. You'll have an opportunity to:

- Earn up to 6 credits each year
- Finish the program with up to 12 free credits

Partner universities offer credits for the courses indicated.

Biomedical Technology — GVSU

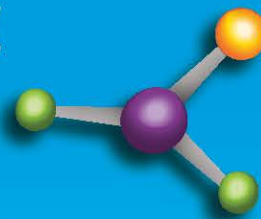
Intro to Health Professions (3 credits)
Medical Terminology (3 credits)

Diagnostic or Therapeutic Healthcare Professions — FSU

Introduction to Healthcare Management (3 credits)
Medical Terminology (4 credits)
Orientation-Health Care (3 credits)
Safety Issues in Health Care (1 credit)



Get Started in Your Healthcare Future – While You're Still in High School!



For more information contact the Health Sciences Early College Academy at 616.447.5671 or email hseca@kentisd.org

Talk to your high school counselor to enroll today!

Participating Colleges



 Health Sciences Early College Academy

thetechcenter.org

This Academy is a program of Kent ISD and open to all high school juniors and seniors who meet the requirements and want to enroll.

For information about credit transfers visit Michigan Transfer Network - michigantransfernetnetwork.org.



2930 Knapp NE Grand Rapids, MI 49525 616.364.1333

Health Sciences

Early College Academy

For High School Juniors and Seniors



Get real healthcare experience and **FREE** college credit in actual healthcare settings!

GVSU

FSU

Paging Dr. You

Lab time, clinical experience and a college degree are critical to your future healthcare career.

While enrolled in the Academy, for high school juniors and seniors, you'll learn in actual healthcare settings and have the opportunity to earn up to 12 FREE college credits. In just two years you'll be well on your way to becoming a geneticist, biomedical engineer, doctor or whatever healthcare career is right for you!

Get on Track

The Academy has three different programs at exciting locations to help you focus your experience and get ahead - Biomedical Technology, Diagnostic Healthcare Professions and Therapeutic Healthcare Professions. As an Academy student, you can participate in two programs if you attend for two years. Each program uses clinical experience along with traditional classroom learning.

We'll put you in the middle of the action through field trips, experiments, projects, job shadows and real clinical rotations.



Therapeutic Healthcare Professions

Downtown Market

Therapeutic healthcare professionals provide direct patient care, treatment, counseling and health education.

Get Actual Experience

- Check patient vital signs including blood pressure, pulse and respiration
- Practice wound care and put casts on "patients," place and remove sutures and staples, change bandages and dressings, conduct sensory tests
- Dissect organs like hearts and lungs to examine their function and how they work
- Develop a care plan for an actual patient by interacting with them and reviewing their chart
- Earn Certified Nurse Assistant (CNA) credential with additional training

Get a Foundation in...

Anatomy & physiology
Basic nursing skills
Medical terminology
Medical math
Pharmacology procedures
Pathology & human body systems

Career Opportunities

Participate in specialized clinical experience in physical therapy, nursing and pharmacy.

Athletic Trainer
Dentist
Dietician
Occupational Therapist
Optometrist
Pharmacist
Physical Therapist
Physician
Registered Nurse
Respiratory Therapist
Veterinarian



Diagnostic Healthcare Professions

Downtown Market

Diagnostic healthcare professionals use tests and evaluations to aid in the detection, diagnosis and treatment of diseases, injuries or other physical conditions.

Get Actual Experience

- Perform live blood draws
- Test for glucose, hemoglobin and other blood and body fluid components using actual medical equipment
- Perform microbiology to grow and study bacteria and learn about new superbugs
- Practice diagnostic tests using sonography and electrocardiograph equipment, and perform respiratory tests and treatments
- Earn a phlebotomy internship and certification

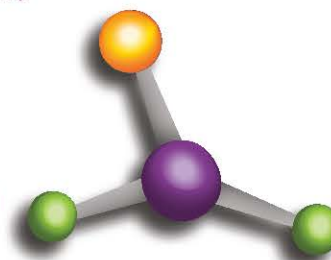
Get a Foundation in...

Anatomy & physiology, pathophysiology
Cardiovascular testing
Diagnostic imaging (radiology, MRI, CT scan, nuclear medicine, ultrasound)
Internet research & analysis
Lab methods & equipment
Medical math
Medical terminology
Respiratory care
Scientific research & writing

Career Opportunities

Sample a variety of health careers through job shadows in clinical settings.

Cardiovascular Technologist
Diagnostic Medical Sonographer
Medical Laboratory Technologist
Microbiologist
Nuclear Medicine Technologist
Pathologist
Radiologist
Respiratory Care Practitioner



Biomedical Technology

GVSU's College of Health Sciences/Cook-DeVos Center

Biomedical Technology professionals use a combination of biology, medicine and technology to improve medical science, medical equipment and the diagnosis and treatment of medical conditions.

Get Actual Experience

- Dig into cell structure and function; and reengineer cells to stop a simulated outbreak while working in a GVSU lab
- Isolate DNA and study new technologies in genetics using electrophoresis
- Work alongside actual medical researchers and propose a cure for a real disease
- Mutate, grow and study micro-organisms for pharmaceutical use
- Visit and tour a variety of clinical and lab environments along the "Medical Mile"

Get a Foundation in...

Cellular/Molecular Biology
Genetics
Human anatomy & physiology, pathophysiology
Laboratory research & development methods
Medical math
Medical terminology
Scientific research & writing

Career Opportunities

Meet inventors of high tech therapies and discuss cutting-edge medical research and cures.

Biochemist
Biochemical Engineer
Biomedical Engineer
Biophysicist
Cell Biologist
Geneticist
Microbiologist
Pathologist
Clinical Biomedical Researcher
Pharmaceutical Engineer



Requirements

For all Academy programs

The Academy is designed to prepare you for college and your future career in healthcare. Students must meet these requirements to enroll.

Academic Requirements

- Must be a high school junior or senior
- Cumulative GPA 3.0 or better
- Successful completion of Biology
- Suggested enrollment in
 - Algebra I
 - Anatomy-Physiology
 - Chemistry
 - English I & II

Professional Requirements

- Proof of immunizations including:
 - Hepatitis B
 - Current 2-step TB or negative chest X-ray two months prior to start of school year
 - (2) MMR (measles, mumps, rubella) vaccines
 - (2) Varivax (chickenpox) vaccines or documentation of immunity through history of disease
- Once you're accepted, undergo an on-site drug test and criminal background check – both must be clean to begin the program
- Wear appropriate lab and clinical attire which may include lab coat, scrubs, protective eye gear, gloves, close-toed shoes



Earn up to 12 FREE college credits -- before high school graduation!