



The Health Science Academy

Overview

The Health Science Academy is designed to address the achievement gap in science, technology, engineering and math while encouraging students to pursue health-related professions. This Academy trains students for long-lasting careers in the continually evolving industry of health sciences.

Through our partnership with the National Academy Foundation, students learn real-life lessons outside of the school that are consistently connected to the curriculum inside their classrooms. This program requires that students build a strong academic foundation in science, mathematics, and language arts which prepares them for post-secondary studies in any area of health sciences and other disciplines as well. The Academy of Health Sciences is committed to having students graduate ready for college and professional success beyond high school.

Corporate Partnership and Support

Through the Health Science Academy, leaders in the health sciences partner with Luther North College Prep by securing workplace learning opportunities, volunteering in classrooms, acting as mentors, and serving on the advisory board. National partnership with the National Academy Foundation positions many of these local companies to engage their employees in the Academy, assisting students to ready them for college and careers and providing their companies with an important workforce investment for the future.

Curriculum

Courses are project based and student focused, using a variety of instructional methods to engage students as much as possible with the subject matter at hand. Students are active doing something other than simply listening and notetaking for some portion of the class.

These courses were developed through the National Academy Foundation with strategic partners, including industry leaders, subject matter experts, classroom teachers, and instructional design specialists.

The Health Science Academy courses include:

- * Health Careers Exploration (freshman)
- * Global Health (freshman)
- * Principles of Health Science (sophomore)
- * Biotechnology (junior)
- * Therapeutics (junior)
- * Environmental Health Technology and Management (junior)
- * Diagnostics (junior)
- * Informatics (junior)
- * Certification Course of choice (senior)

Paid Internships

In the summer of their junior year, Health Science Academy students have the opportunity to have a real world, applied learning experience. They will work as paid interns specializing in different areas of health science in various industries. These students not only see how their classroom lessons relate to the workplace, they also develop important professional relationships that can be of lasting value in the years to come.



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Freshman Courses

A freshman schedule will include the following two academy courses:

Health Careers Exploration Global Health

These two courses are currently being developed and more information on them will be available by the end of the school year.

Freshman Schedule

A Health Science Academy student will take the following courses freshman year:

Computer Apps 1 (0.5 credits)
English I (1 credit)
Spanish I (1 credit)
Algebra I (1 credit)
PE (0.5 credits)
Biology (1 credit)
Geography (0.5 credits)
Religion (0.5 credits)
Health Careers Exploration (0.5 credits)
Global Health (0.5 credits)
Winterim (0.5 credits)

Post-Secondary Majors

Students who choose the Health Science Academy will be prepared to continue their post-secondary studies in the following majors:

- * Applied Health Science
- * Biology
- * Biomedical & Health Information Services
- * Chemistry
- * Environmental Sciences
- * Environmental Studies
- * Kinesiology
- * Nursing
- * Nutrition
- * Pharmaceuticals
- * Psychology

Careers

From these majors, there is a wide variety of career opportunities, such as:

- * Research biology
- * Healthcare
- * Environmental management and conservation in colleges and universities in primary and secondary schools
- * Science museums, zoos, aquariums, parks, and nature centers
- * Biotechnology
- * Forensic Science
- * Politics and Policy
- * Business and Industry
- * Economics
- * Mathematics
- * Science Writing and Communication
- * Art