



# Bridges Career Academy Health Science

*Bertha-Hewitt High School*

Introduction to careers in the health field. Develop an understanding of the human body, body systems and functions. Explore long and short career options, develop an understanding of the terminology used by medical professionals, develop and understand medical environments — from clinics to long term health facilities. Gain entry-level employment or continue education.

## Academic Courses

- Anatomy Physiology/Medical Biology
- Chemistry
- Child Development

## Career Experiences

- Listen to industry speakers
- Attend the Bridges Career Exploration Day or other regional career fairs
- Participate in a job shadow

## Completion Standards

COMPLETE

**All courses**

GRADES **B** ↑

Earn a **certificate** and **green cord** at graduation



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## Job Skills

In addition to having technical skills, employers expect workers in this industry to have these skills:

- Active listening and speaking skills
- Problem solving
- Basic research strategies
- Oral and written communications skills
- Team work



# Health Science Career Academy

## Bertha-Hewitt High School

The Health Science Careers Academy offers an introduction to the many varied careers in the health field today. Students will develop an understanding of the human body, body systems and functions. Exploring long and short career options, developing an understanding of the terminology used by medical professionals, developing and understanding medical environments from clinics to long term health facilities are all part of this Academy. Upon completion, students will be able to transfer their skills as they to continue their education at a post-secondary institution or into the world of work.

### ACADEMY COURSES

#### **Anatomy and Physiology/Medical Biology** — 2 High School Credit

This course is an overview of all body systems, disease processes and body functions. In addition, discussions focus on a variety of other medical areas such as psychology, diagnosis, pharmacology, medical terminology and parasitology. Fetal pigs will be used as models for dissection. Medical biology deals with skills and knowledge essential for all health and medical careers.

#### **Chemistry** — 2 High School Credits

This course is an in-depth study of chemical reactions, balancing equations and chemical reaction problems. General laws of chemistry, periodicity, atomic and molecular structures, physical and chemical changes are included. Students develop an understanding of correlating chemical principles with practical applications using lab techniques. Basic chemistry knowledge and good math skills will be essential to success in this class.

#### **Child Development** — 1 High School Credit

This course serves as an excellent first glance into the development and care of a child. Students will learn first-hand how parents and childcare providers can meet the needs for healthy growth and development of a child. The course focuses on everything from why we need to study parenting, to the birthing process, and a child's nutrition. Students will come out of the course with a better knowledge of the effort and time it takes to raise a child.

### COMPLETION STANDARD

Students wishing to receive a certification for this academy must complete all courses while earning an average of 'B' or better in each course. Students must complete two semesters of Anatomy and Physiology/Medical Biology and Chemistry and the one semester Child Development course.

### CAREER EXPERIENCES

Students will listen to guest speakers such as speech therapists, physical and occupational therapists and social workers. In addition, jobs shadows in personal areas of interest are part of the workplace experiences. Students will also attend the Bridges Career Exploration Day event and other regional career fairs and examine careers with health care professionals.

### JOB SKILLS

In addition to having technical skills, employers expect their workers to have other skills such as:

- Active listening and speaking skills
- Problem solving
- Basic research strategies
- Oral and written communications skills
- Team work

**CAREER OPTIONS:** [www.careerwise.minnstate.edu/careers](http://www.careerwise.minnstate.edu/careers)

**JOB OUTLOOK:** [www.careerwise.minnstate.edu/jobs](http://www.careerwise.minnstate.edu/jobs)

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