



# Bridges Career Academy Health Sciences

*Isle High School*

Explore Health Science field. Learn overview of all medical careers and the terminology used in those careers. Curriculum aligns with Health Science courses in higher education, specifically at Central Lakes College. Gain entry-level employment or continue education.

## Academic Courses

- Anatomy and Physiology I and II
- Medical Careers
- Chemistry OR College Chemistry
- Medical Terminology

## Career Experiences

- Tour local businesses
- Listen to industry speakers
- Attend the Bridges Career Exploration Day or other regional career fairs
- Participate in an internship

## Completion Standards

COMPLETE

**3 of 4 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 skill
- Problem solving
- Oral and written communications skills
- Teamwork in lab settings



# Health Sciences Career Academy

## Isle High School

The Health Sciences Career Academy allows students to acquire the basic skills necessary to determine if a career in one of the many Health Science fields is for them. The Academy offers curriculum that aligns with the Health Science courses in higher education, specifically at Central Lakes College. The Academy courses include an overview of all medical careers and the terminology used in those careers. Upon completing the Academy, students will have basic skills to determine what aspect of the health industry they are interested in and will be able to transfer their credits to continue their education at a post-secondary institution.

### ACADEMY COURSES

#### **Anatomy and Physiology I and II** — 2 High School Credits

This course takes an in-depth look at the structures of the human body and how the body operates. The course uses a variety of instructional methods through lecture and lab techniques to meet course objectives.

#### **Medical Careers** — 1 High School Credit

This is a course designed for those students who have an interest in the health care field. The class focuses on entry-level concepts containing necessary information for health care workers. Emphasis is on awareness of client needs and basic skill development. Students will job shadow health career professionals in all aspects of health care and participate in a variety of labs lectures and discussions at Mille Lacs Health Systems and various local clinics.

#### **Chemistry OR College Chemistry** — 2 High School Credits and/or 3 college credits

This course is the study of how matter, forces and energy produce chemical properties and interactions. The courses review concepts from the chemistry portion of science 9 and builds on them through the following topics: moles, stoichiometry, states of matter, gases, mixtures, solutions, chemical change, reaction rates, equilibrium and technological applications, acids, and bases, redox reactions, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, and current environmental issues.

#### **Medical Terminology** —1 High School Credit

This course introduces work analysis through the study of root words, prefixes, suffixes and abbreviations common to the medical profession. Students will learn to pronounce and spell essential medical terms.

### COMPLETION STANDARD

Students wishing to receive a certification for this academy must complete 3 out of the 4 courses while maintaining a grade point average of “B” in the four academy courses.

### CAREER EXPERIENCES

Students will listen to guest speakers, preview the Health Careers video, tour/ visit a local pharmacist, attend Bridges Career Exploration Day and explore a variety of periodical related articles. The academy partners with the Mille Lacs Health Systems for an internship experience.

### 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
- Oral and written communications skills
- Teamwork in lab settings

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

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