

## Junior Year

### Semester 1

Health Science Technology  
Health Care Core  
Foundations  
HC1525\*



2 HS Semester Credits/  
4 SCC Credits

### Semester 2

Medical Terminology  
HC1000\*\*\*



2 HS Semester Credit/  
3 SCC Credits

## Senior Year

### Semester 1

Nursing Assistant



1 HS Semester Credit/  
1 credential  
(Nursing Assistant Registry (NAR)  
Credential Exam)

### Semester 2

Medical Office  
Procedures  
MA1020\*\*\*\*

Chemistry for the  
Health Sciences  
CHEM110\*\*



MA1020 1 HS Semester  
Credit/3 SCC Credits  
CHEM110 2 HS Semester  
Credits/4 SCC Credits

\*Practical Nursing Program Only

\*\*Professional Nursing Program Only

\*\*\*Health Unit Coordinator, Medical Assistant, Medical Lab Technician, Phlebotomy

\*\*\*\*Health Unit Coordinator, Medical Assistant

Core or Liberal Arts and Sciences Courses can be included for additional dual credits

# Health Science Career Academy Course Descriptions

## **Health Care Core Foundations      HC1525**

**4 SCC Credits/2 HS Semester Credits**

**Prerequisite: None, Program Application Required      Format: Blended**

**Fall Semester, Junior Year**

This course will focus on the requirements needed by healthcare professionals to effectively work in a variety of healthcare settings and explore workplace skills such as accountability and responsibility, workplace behavior, approaches to assist clients, and expectations of teams and team members. This course provides a framework for healthcare workers to interact with diverse clients and staff, including belief systems, cultural practices, and respect and sensitivity to cultural, gender, and age issues. Identifying elements of communication and how those elements can develop into effective communication within the healthcare setting is a key focus, as well as learning when and how to utilize those skills in challenging situations. Health care ethics will be addressed and target ethical decision-making and personal and professional values. Legal issues in healthcare will round out the course, concentrating on healthcare laws and social media in healthcare. Healthcare safety and standards precautions will be incorporated, as well as personal wellness for the healthcare professional. This course was designed as a part of the Minnesota Health Care Core Curriculum.

## **Medical Terminology      HC1000**

**3 SCC Credits/2 HS Semester Credits**

**Prerequisite: None**

**Format: Blended**

**Spring Semester, Junior Year**

This course is an introduction to the language of medicine that is used in the health care profession. The student will learn to spell, pronounce, define, and interpret medical terminology related to body structure, disease, diagnosis, and treatment.

## **Nursing Assistant**

**1 HS Semester Credit/Certificate**

**Prerequisite: Health Care Core Foundations**

**Format: Blended**

**Fall Semester, Senior Year**

This course meets federal and state criteria for eligibility to take the state test to become a NA-R. It introduces concepts of basic human needs, the health/illness continuum and focuses on preparing the student to safely perform basic nursing skills needed to function as a Nursing Assistant. This course is an 80-hour curriculum developed by the Minnesota State Colleges and Universities. Students participate in online curriculum studies, laboratory skills and gain hands-on experience during their clinical rotation. Students that successfully complete this course qualifies for admittance to the Competency Evaluation at an approved Minnesota Technical College test site.

## **Medical Office Procedures      MA1020**

**3 SCC Credits/1 HS Semester Credit**

**Prerequisite: None**

**Format: Blended**

**Spring Semester, Senior Year**

This course will review administrative duties that are performed by a medical assistant. Emphasis will be on clerical functions, bookkeeping procedures, insurance claims, professional communications, medical coding, legal concepts, medical office operational functions including written and electronic.

## **Chemistry for the Health Sciences      CHEM110**

**4 SCC Credits/2 HS Semester Credits**

**Prerequisite: None**

**Format: Blended**

**Spring Semester, Senior Year**

Key concepts of general, organic, and biological chemistry are introduced in an integrated approach with applications from the medical fields. The course is designed to prepare students for Anatomy, Physiology, and Microbiology or to be utilized as a general Liberal Arts and Sciences course. Limited mathematical approach; this course does not meet the requirements of a prerequisite for CHEM 120. Lecture and a 2-hour lab are included.