



Course Syllabus 2021-2022

Program Title

Health Science

Instructor

Cheryl Morrissette, RN
763-684-2244
cheryl.morrissette@wrighttech.org

Course Description

The Health Science Technology course is an excellent foundation for all students interested in entering the medical profession. Explore a wide variety of medical careers and take an interest inventory to match your interests with a medical career. Easily learn 350 medical terms which enables you to understand more than eleven thousand medical words. We will be following the MN Dept. of Health Nursing Assistant Curriculum which will prepare you for a variety of medical careers and for the state nursing assistant test which is required for most nursing programs. You will be studying the fascinating human body. Many activities will focus on developing and learning the importance of working together, thus promoting teamwork in the healthcare workforce. The class is one year in length or depending on which block you attend, approximately 250 to 320 hours. Minimum 6th grade reading and comprehension level is required to qualify for the State Nursing Assistant Registry Exam.

Textbooks & Classroom Resources

American Heart Association. *Heartsaver First Aid: Student Workbook*. Dallas, Texas: First American Heart Association, (2016)

American Heart Association. *BLS for Healthcare Providers: Student Manual*. Dallas, Texas: First American Heart Association, (2016)

Fuzy, Hedman & Rymen. *Hartman's Nursing Assistant Care/ Long-Term and Home Health*. Albuquerque, New Mexico: Hartman Publishing, (2018)

Minnesota Department of Health - Nursing Assistant/Home Health Aide State Curriculum

Vaughn, Dean. *Medical Terminology 350*. Westwood, Massachusetts: DCM/Instructional Systems, (2012)

Course Goals

This program will enable a student to:

1. Identify and investigate various medical/health careers.
2. Identify trends, systems and policies related to the health field and facilities.
3. Demonstrate leadership and teamwork skills.
4. Define, spell and pronounce medical terms and abbreviations. (See Medical Terminology Syllabus)
5. Learn strategies for combining medical suffixes, prefixes and root words. (See Medical Terminology Syllabus)
6. Identify personal qualities, commitments and responsibilities of health care workers.
7. Demonstrate effective verbal and non-verbal communication.
8. Demonstrate documenting, reporting and use of electronic communication devices.
9. Identify healthcare laws and policies.
10. Demonstrate principles and standards of infection control, standard precautions and safety policies required in health care facilities.
11. Discuss legal, ethical and personal boundaries of healthcare workers.
12. Discuss diverse and cultural beliefs and issues of clients and healthcare workers.
13. Demonstrate and complete all state mandated nursing assistant curriculum. (See Nursing Assistant Syllabus)
14. Qualify to take the state boards to become a Nursing Assistant Registered. (See Nursing Assistant Syllabus)
15. Create a comprehensive Professional Portfolio including research of a health career and schooling.
16. Optional to obtain Certification of American Heart Association BLS for Healthcare Providers & American Heart Association Heartsaver First Aid.

Skills Needed

To be successful in this program, you should have the following skills:

- Strong math, reading and comprehension skills (absolute minimum 6th grade level)
- People orientation to work with a variety of medical professionals and clients
- Organizational skills to manage multiple projects and scheduled appointments
- Detail orientation to notice small changes in patients' symptoms or data records
- Problem-solving skills to analyze situations or data and produce appropriate solutions
- Speaking and listening skills to make sure patients understand treatments and medical concepts
- Physical stamina to stand for long periods of time and lift equipment and/or patients
- Computer and technical skills to use charting, office, lab and medical equipment

Classroom Supplies & Shop/Lab Fees

There are *no class fees*. However, there are *optional charges* if the student may decide to participate. Optional activities with fees include:

- Clinical experience at a Long-Term Care facility-needed to obtain college credits for nursing assistant: uniform, shoes, watch with 2nd hand, background study and fingerprinting. Cost varies considerably BUT is reimbursed if the student works at a long-term facility for 60-90 hrs. Typical cost is \$20.00 for criminal background check and \$9.00 for fingerprinting.
- CPR and First Aid for the Healthcare Provider cards – approx. \$12
- Medical Careers Sweatshirt – To be determined and is Optional
- Purchase of clinical scrubs is student's responsibility-cost varies on where they are purchased.

Attendance

Attendance is extremely important in all health care settings. Therefore, 35% of the student's grade is based on their daily professionalism which includes attendance. The State Department of Health regulates the Nursing Assistant curriculum and attendance on skill demonstrations and skill testing days is **Mandatory**. If the student is absent on these days, please understand the student will **not** qualify to go on clinicals, take the state registry test for nursing assistant or receive the 4 college credits for nursing assistant. We do understand family vacations are important and we encourage you to take them during school breaks.

Evaluation of Learning

Student performance will be evaluated using multiple assessments involving assigned program activities. Student's course grades will be based on the following:

Evaluation Criteria	Method of Evaluation	Percentages
Professionalism	<ul style="list-style-type: none">● Attendance & Preparedness● Participation & Effort● Teamwork● Attitude, Behavior, Clothing● Follow Directions	35%
Projects	<ul style="list-style-type: none">● Portfolio● Written assignments● Oral presentations● Performance checklists	30%
Quizzes	<ul style="list-style-type: none">● Medical Terminology & Abb.● Nursing Assistant● Anatomy	5%
Knowledge of Course Content	<ul style="list-style-type: none">● Medical Terminology Exams● Nursing Assistant Exams● Midterms & Finals	30%

Late Assignments

You may earn half credit for late assignments that have been turned in within 3 days of the due date. A score of zero will be assigned after that time.

Grading Scale

Grade	Percentage
A+	100% – 98%
A	97% – 92%
A-	91% – 90%
B+	89% – 88%
B	87% – 82%
B-	81% – 80%

Grade	Percentage
C+	79% – 78%
C	77% – 72%
C-	71% – 70%
D+	69% – 68%
D	67% - 62%
D-	61% - 60%
F	59% - Below

Career Information

MN Program of Study	
Career Field	Health Science Technology
Career Cluster	Health Science
Career Pathway	<ul style="list-style-type: none"> ● Therapeutic Services ● Diagnostic Services ● Support Services ● Health Informatics ● Biotechnology Research and Development
Occupations Requiring Less than Baccalaureate Degree <ul style="list-style-type: none"> ● Nursing Assistants ● Health Unit Coordinators ● EMT ● Sonographers ● Licensed Practical Nurse ● Dental Assistant ● Optometric Technician ● Occupational Therapy Assistant ● Physical Therapy Assistant ● Medical Assistant ● Veterinary Technician ● Massage Therapist 	Occupations Requiring Baccalaureate Degree or Advanced Degrees <ul style="list-style-type: none"> ● Registered Nurse ● Chiropractor ● Dental Hygienist ● Medical Technologist ● Radiologic Technologist ● Optometrist ● Dietitian ● Occupational Therapist ● Physical Therapist ● Pharmacist ● Audiologist ● Medical Doctor
Career Outlook	<i>information available @ www.iseek.org/careers</i>

College Credit & Certification Opportunities

College credits can be earned if you maintain a “B” or above grade. Students can earn up to nine college credits and are available through but not limited to the following schools:

- Anoka-Ramsey Community College
- Anoka Technical College
- Central Lakes College
- Normandale Community College
- St. Cloud Technical & Community College
- Hennepin Technical College and most other MN colleges & universities

Visit the following website for specific articulated college course information - www.ctecreditmn.com

Students will qualify to take the state examination to become a licensed nursing assistant registered (NA/R). They have the option of becoming certified in CPR & First Aid for the Healthcare Provider.