

HEALTH SCIENCE CAREERS

HEALTH SCIENCE I (07033)

Grade: 10 - 12 1 Credit Full Year Online or ITV 2nd period – 9:25 + hands-on component

This year-long course provides students with information relating to the educational and professional requirements for the various medical careers. Students will also study the fundamentals of disease transmission and prevention, basic anatomy and physiology, and medical terminology. Students will complete CPR/AED for the Professional Rescuer and American HeartSaver First Aid. Two hands-on learning experiences are required and may necessitate travel to an alternate location. Additionally, there is an optional field trip to explore health science at ND college/universities. Students must successfully complete both semesters of this class including First Aid & CPR/AED Certification for Healthcare Providers. This course and the required certifications are the prerequisite to all other Health Science courses and is offered either on-line or via interactive television. **Dual Credit is available through Bismarck State College during Spring semester. Must be in 10th Grade to enroll in dual credit courses.**

ADVANCED MEDICAL CAREERS (07035)

Grade: 11, 12 1 Credit Full Year

Online + hands-on component

Prerequisite: Medical Careers

This course will expand on the knowledge gained in Medical Careers. Students will have the opportunity to explore various medical careers through research, professional guest speakers, college tours and potential job shadows. The curriculum is designed to enhance student employability skills and professional medical career readiness. Requirements for job shadowing: up to date vaccinations, including influenza and TB test are required per hospital/clinics/other healthcare facility policies. All students must have a background check. The school/student is responsible for necessary vaccinations and transportation to clinical sites. *School/student may be responsible for additional course fees including name tag/polo shirt for tours/job shadows, and/or additional registration fees per hospital/clinic job shadow policies/expectations; approximate cost \$35/student.



MEDICAL TERMINOLOGY (07036)

Grade: 10 - 12 0.5 Credit Fall or Spring Semester

Online + hands-on component

Dual Credit is available through Bismarck State College. Must be in 10th Grade to enroll in dual credit courses.

In this course, students will develop skills necessary for decoding of commonly used medical terms including the meaning of medical suffixes, prefixes and word roots. Students will learn terminology associated with body systems, diseases and disorders of those systems. Students will also be expected to use correct spelling and pronunciation of medical terms they have learned and will learn commonly used medical abbreviations.

EMERGENCY MEDICAL RESPONDERS (07045)

Grade: 11, 12 1 Credit Full Year Online + hands-on

component

Prerequisite: Medical Careers I including First Aid & CPR/AED Certification is required.

This introductory course prepares students to respond to a wide range of emergencies such as heart attacks, auto accidents and diabetic problems. The units of instruction include, EMS systems, workforce safety, medical, legal and ethical issues, communications and documentation, the human body, airway management, patient assessment, medical emergencies, trauma, special patient populations and EMS operations. On completion of the EMR course students will be better prepared to work with local EMT's to complete requirements for state EMR testing. *Students will not be completing clinical ride-along's in ambulances with EMT squads as a requirement in this course. Students who are 16yrs old or older, and interested in taking the EMR state exam, will need to coordinate with local EMT squads in your community or region to complete the required clinical hours to meet the requirements to take that exam.*



CERTIFIED NURSING ASSISTANT (07032)

Grade: 10 - 12 0.5 Credit Fall Semester Online

Prerequisite: Medical Careers I including First Aid & CPR/AED Certification is required.

This Certified Nursing Assistant Training program offers classroom instruction and the necessary skills practice to those preparing for employment as a certified nursing assistant in a skilled nursing facility, acute care or home health care. This course does not require supervised clinical practice hours, but will provide necessary curriculum and supervised skills training to challenge the state CNA board exam provided by the North Dakota Board of Nursing to become a certified CNA. *Assistance will be provided for interested students in coordinating with local healthcare facilities for clinical experiences if desired; not required to complete this course.*

