

# Career and Technical Education Department

## MEDICAL & HEALTH SCIENCES

### Senior High School



Arts & Communications



Business, Management  
Marketing & Technology



Health  
Science



Engineering/Manufacturing  
& Industrial Technology



Human  
Services



Natural Resources  
& Agriscience

VPAA – Meets Visual, Performing & Applied Arts Requirement

OLE – Meets Online Learning Experience Requirement

SMR – Senior Math Related

CP - CTE Completer

21F – Course Available through Section 21F: Expanded Virtual Learning

\*CAREER ZONES - Broad groupings of careers that share similar characteristics and whose employment requirements call for many common interests, strengths, and competencies.

<b>MEDICAL SCIENCE I</b> (VPAA/OLE/SMR,CP) – V040	10, 11, 12	1.0 credit
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This course of study is designed to introduce students to careers in the medical and healthcare fields. Students will have the opportunity to learn the anatomy and physiology of the body systems as they relate to health, wellness, diagnosis and treatment of diseases and the human life cycle. Students will explore the five service areas of healthcare: informational technology, diagnostic, therapeutic and environmental services, and biotechnology. This course will provide students with basic skills in first aid, CPR, and medical terminology. The class includes medical career research, clinical labs, project work, and professional guest speakers. Students are encouraged to join HOSA-Future Health Professionals club as an adjunct to this course.

*\*Course content may address skills pertaining to these potential Career Zones: Health Sciences, Human Services*

<b>MEDICAL SCIENCE II</b> (VPAA/OLE/SMR/CP) – V050	11, 12	1.0 credit
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PREREQUISITE: Medical Science I

This course builds on the knowledge gained in Medical Science I and is designed for students who wish to pursue a career in medical, dental, pharmaceutical, as well as other, post-secondary careers in medicine. The course is designed to provide the student with comprehensive administrative and clinical skills in the outpatient medical setting. The course covers knowledge, skills, attitudes, and principles necessary to prepare students to become successful, multi-skilled entry level medical employees. This course includes clinical skills and procedures, basic pharmacy, diagnostic lab procedures, suturing, EKG, BLS CPR and First Aid and medical terminology. Students apply their knowledge of advanced skills and techniques through analysis and problem solving of patient case studies. Students are also encouraged to participate in HOSA-Future Health Professionals and School-to-Work as adjuncts to the course.

*\*Course content may address skills pertaining to these potential Career Zones: Health Sciences, Human Services*

**NURSING ASSISTANT** (VPAA/SMR/CP) – V030

11, 12

1.0 credits

PREREQUISITE: Medical Science I

SHARED TIME: May require travel to another building.

Nursing Assistant is a co-educational class designed to teach students the basics of patient care for those in hospitals, nursing centers and home care settings. The textbooks and lab practice incorporate the use of employability skills, ethics, medical terminology, BLS CPR and First Aid and medical mathematics to connections with the medical field. Students will participate in hands on labs for all aspects of patient care. Students in the course can test for a credential as a Patient Care Technician upon successful completion of this course. Students will have the opportunity to enhance their experience by participating in job shadowing, Future Nurses Club, and HOSA-Future Health Professionals. Students are encouraged to participate in School-to-Work as an adjunct to this course. This class is suitable for students considering a career in any medical field.

*\*Course content may address skills pertaining to these potential Career Zones: Health Sciences, Human Services*

**SPORTS MEDICINE** (VPAA/CP) – V060

11, 12

0.5 credits

PREREQUISITE: Medical Science I

This course provides high school students with a general overview of athletic training, sports medicine, personal training and its history. This course is intended to help students gain an understanding of the field of sports medicine, various associated disciplines and the role they play in the physically active community. Students who enroll in this course must have Medical Science I as a prerequisite. Upon completion, students will have the opportunity to earn certification as a CPT (Certified Personal Trainer).

*\*Course content may address skills pertaining to these potential Career Zones: Health Sciences, Human Services*