



Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Pathway: Biotechnology Research and Development

Health Science Education

Credit: 1
SDE Course Code: 5504
MNPS Course Code: HSE8153

Health Science Education includes a variety of standards necessary for competent health care workers. Integrated academics combined with health care knowledge and skills will provide a strong health care delivery system in the 21st century. It is suggested this elective course be implemented at the ninth grade. It is, however, open to students in grades 9-12. One unit of credit is awarded for this course. This course serves as a foundation of all health science courses.

Diagnostic Medicine

Credit: 1
SDE Course Code: 5511
MNPS Course Code: HSE8453

Diagnostic services create a picture of a client's health status at a

single point in time. It is suggested that the diagnostics course be offered to students in grades 11 and 12 as an elective course. One unit of credit is awarded for the course. Upon completion of the course, a student may enroll in a clinical internship, which can articulate to postsecondary education or entry-level positions in diagnostics. One unit of credit is offered for the clinical internship.

Anatomy and Physiology

Credit: 1
SDE Course Code: 5509 or 3251
MNPS Course Code: HSE5509 or SCI6551

In this course, students will examine human anatomy and physical functions. They will analyze descriptive results of abnormal physiology and evaluate clinical consequences. A workable knowledge of medical terminology will be demonstrated. It is suggested that this elective course be offered to students in grades 10-

12. This course may articulate to postsecondary education. This course may be offered for one unit of science credit if the teacher is endorsed in science or for one unit of vocational credit.

Forensic Science

Credit: 1
SDE Course Code: 5514
MNPS Course Code: HSE5514

This course is an overview of how science is applied to solving crimes. Topics including history of forensic sciences, collecting of evidence, analyzing results and hands-on application of many laboratory techniques used in solving crimes and identifying people and future careers. Students will participate in a mock (staged) crime scene to apply knowledge and skills gained

Pathway: Diagnostic Services

Health Science Education

Credit: 1
SDE Course Code: 5504
MNPS Course Code: HSE8153

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Rehabilitative Therapies

Credit: 1
SDE Course Code: 5503
MNPS Course Code: HSE8753

Rehabilitative therapy explores career options and their related roles and responsibilities. This course discusses the legal and ethical issues related to patient care and health care delivery. Students learn how to incorporate professional behavior and medical terminology into patient assessment and treatment planning and implementation. It is suggested that the Rehabilitative Therapy course be offered to students in grades 10-12 as an elective course. One unit of credit is awarded for the course. Upon completion of the course, a student may enroll in a clinical internship, which can articu-

late to postsecondary education or entry-level position in rehabilitation. One unit of credit is offered for the clinical internship.

Diagnostic Medicine

Credit: 1
SDE Course Code: 5511
MNPS Course Code: HSE8453

Diagnostic services create a picture of a client's health status at a single point in time. It is suggested that the diagnostics course be offered to students in grades 11 and 12 as an elective course. One unit of credit is awarded for the course. Upon completion of the course, a student may enroll in a clinical internship, which can articulate to postsecondary education or entry-level positions in diagnostics. One unit of credit is

offered for the clinical internship.

Clinical Internship
Credit: 1
SDE Course Code: 5501
MNPS Course Code: HSE8953

The Clinical Internship includes a variety of knowledge and skills necessary to become a health care

worker. This course is provided for each health science teacher to design experiences in a health care facility in order to meet the needs of the community. It is suggested this course be offered to students in grades 11 and 12 as an elective course. One unit of credit is awarded for this course. Students may choose to complete a clinical

internship after completing a course in Medical Therapeutics, Diagnostic Medicine, Health Informatics, Support Services, Rehabilitative Therapies, Emergency Medical Services or Nursing Education. This course is designed to be completed in a hospital, nursing home, rehabilitation center, medical office or other health care facility

Pathway: Health Informatics

Health Science Education
Credit: 1
SDE Course Code: 5504
MNPS Course Code: HSE8153

Health Science Education includes a variety of standards necessary for competent health care workers. Integrated academics combined with health care knowledge and skills will provide a strong health care delivery system in the 21st century. It is suggested this elective course be implemented at the ninth grade. It is, however, open to students in grades 9-12. One unit of credit is awarded for this course. This course serves as a foundation of all health science courses.

Diagnostic Medicine
Credit: 1
SDE Course Code: 5511
MNPS Course Code: HSE8453

Diagnostic services create a picture of a client's health status at a single point in time. It is suggested that the diagnostics course be offered to students in grades 11 and 12 as an elective course. One unit of credit is

awarded for the course. Upon completion of the course, a student may enroll in a clinical internship, which can articulate to postsecondary education or entry-level positions in diagnostics. One unit of credit is offered for the clinical internship

Health Informatics
Credit: 1
SDE Course Code: 5505
MNPS Course Code: HSE8653

Health Informatics will serve for computerized databases to store, organize and index the data and for specialized tools to view and analyze the data. Information services function to document health care management. Such record keeping affords clients a history that supports health care problem solving and decision-making. It is suggested that the Health Informatics elective course be offered to students in grades 11 and 12. One unit of credit is awarded for the course. Upon completion of the course, a student may enroll in a clinical internship, which can articulate to postsecondary education or entry-level positions in health informatics

or health care management. One unit of credit is offered for the clinical internship.

Clinical Internship
SDE Course Code: 5501
Credit: 1
MNPS Course Code: HSE8953

The Clinical Internship includes a variety of knowledge and skills necessary to become a health care worker. This course is provided for each health science teacher to design experiences in a health care facility in order to meet the needs of the community. It is suggested this course be offered to students in grades 11 and 12 as an elective course. One unit of credit is awarded for this course. Students may choose to complete a clinical internship after completing a course in Medical Therapeutics, Diagnostic Medicine, Health Informatics, Support Services, Rehabilitative Therapies, Emergency Medical Services or Nursing Education. This course is designed to be completed in a hospital, nursing home, rehabilitation center, medical office or other health care facility

Pathway: Support Services

Health Science Education
Credit: 1
SDE Course Code: 5504
MNPS Course Code: HSE8153

Health Science Education includes a variety of standards necessary for competent health care workers. Integrated academics combined with health care knowledge and skills will provide a strong health care delivery system in the 21st

century. It is suggested this elective course be implemented at the ninth grade. It is, however, open to students in grades 9-12. One unit of credit is awarded for this course. This course serves as a foundation of all health science courses.

Medical Therapeutics
Credit: 1
SDE Course Code: 5506
MNPS Course Code: HSE8253

Therapeutic functions involve a variety of treatments or changes in the health status of the client over time. These regimes are designed to help clients get well, manage a handicap or maintain their health. It is suggested that the therapeutic courses be offered to students in grades 10-12 as elective courses. One unit of credit is awarded for each course. Upon completion of the course, a student may enroll in a clinical internship, which can articulate to postsecondary education or

entry-level positions in therapeutics. One unit of credit is offered for the clinical internship.

Support Services

Credit: 1

SDE Course Code: 5500

MNPS Course Code: HSE8553

Support Services refers to occupations involving direct and indirect client care that create a therapeutic environment for providing the care. It is suggested that the Support Services course be offered to students in grades 10 and 12 as an elective course. One unit of credit is awarded for the course. Upon completion of

the course, a student may enroll in a clinical internship, which can articulate to postsecondary education or entry-level positions in support services. One unit of credit is offered for the clinical internship.

Clinical Internship

SDE Course Code: 5501

Credit: 1

MNPS Course Code: HSE8953

The Clinical Internship includes a variety of knowledge and skills necessary to become a health care worker. This course is provided for each health science teacher to design experiences in a health care

facility in order to meet the needs of the community. It is suggested this course be offered to students in grades 11 and 12 as an elective course. One unit of credit is awarded for this course. Students may choose to complete a clinical internship after completing a course in Medical Therapeutics, Diagnostic Medicine, Health Informatics, Support Services, Rehabilitative Therapies, Emergency Medical Services or Nursing Education. This course is designed to be completed in a hospital, nursing home, rehabilitation center, medical office or other health care facility.

Pathway: Therapeutic Services

Health Science Education

Credit: 1

SDE Course Code: 5504

MNPS Course Code: HSE8153

Health Science Education includes a variety of standards necessary for competent health care workers. Integrated academics combined with health care knowledge and skills will provide a strong health care delivery system in the 21st century. It is suggested this elective course be implemented at the ninth grade. It is, however, open to students in grades 9-12. One unit of credit is awarded for this course. This course serves as a foundation of all health science courses.

is suggested that the therapeutic courses be offered to students in grades 10-12 as elective courses. One unit of credit is awarded for each course. Upon completion of the course, a student may enroll in a clinical internship, which can articulate to postsecondary education or entry-level positions in therapeutics. One unit of credit is offered for the clinical internship.

Nursing Education

Credit: 1

SDE Course Code: 5507

MNPS Course Code: HSE8353

Nursing education includes a variety of knowledge and skills necessary to become a health care worker. This course meets all federal and state requirements for a certified nurse's aid. It is suggested that this course be offered to students in grades 11 and 12 as an elective course. One unit of credit is awarded for this course. The clinical internship is incorporated into this course. A total of 100 hours are required for the Tennessee state test for nurses' aide. This clinical internship must be

completed in a long-term care facility. Additional hours are implemented in the classroom and clinical settings upon completion of this course. A student may enroll in postsecondary education or enter the work force in an entry-level position.

Emergency Medical Services

Credit: 1

SDE Course Code: 5510

MNPS Course Code: HSE8853

Emergency Medical Service_(EMS)is designed for students interested in a career in pre-hospital or emergency patient care. Career options may include emergency medical technicians, paramedics, and emergency room nurses.

It is suggested this emergency medical service course be offered to students in grades 11 and 12 as an elective course. One unit of credit is awarded for the course. Students may be eligible to certify as First Responders if the instructor and the course meet requirements of the Tennessee Department of Health.

Medical Therapeutics

Credit: 1

SDE Course Code: 5506

MNPS Course Code: HSE8253

Therapeutic functions involve a variety of treatments or changes in the health status of the client over time. These regimes are designed to help clients get well, manage a handicap or maintain their health. It