

RADIOLOGIC TECHNOLOGY (RADT)

RADT 1010 - Anatomy & Physiology I (2 Credit Hours)

This course is the study of human anatomy and physiology including chemical composition, cells, tissues, topography and the skeletal and digestive systems.

Prerequisite(s): None
(2/0/2)

RADT 1010B - Anatomy and Physiology I (2 Credit Hours)

This course is the study of human anatomy and physiology including chemical composition, cells, tissues, topography and the skeletal and digestive systems.

Prerequisite(s): None
(2/0/2)

RADT 1020 - Clinical (5 Credit Hours)

Analysis of the health care delivery system including professional development, responsibility, principles of patient care and communication skills. The rotation will emphasize the radiographic examinations covered in Radiographic Positioning I.

Prerequisite(s): None
(0/5/5)

RADT 1030 - Clinical Practice (5 Credit Hours)

Students assigned to clinical education centers for supervised clinical practice and observation to include basic positioning, radiographic examinations, and patient care and communication skills. The rotation will emphasize the radiographic examinations covered in Radiographic Positioning I.

Prerequisite(s): None
(0/5/5)

RADT 1040 - Medical Ethics and Legal Issue (2 Credit Hours)

A study of standards set for developing professional ethics, increasing interpersonal relationships and communication skills, and understanding legal issues involved within the profession of Radiologic Technology.

Prerequisite(s): None
(2/0/2)

RADT 1050 - Fundamentals of Radiology Sci (1 Credit Hour)

An introduction to Radiologic Technology along with specifics to this program. The student will undergo both hospital and program orientation. The course covers departmental administration and management, medical/technology history, rules and regulations and is designed for the student to have an understanding of the professional technologist.

Prerequisite(s): None
(1/0/1)

RADT 1060 - Image Acquisition (3.5 Credit Hours)

A study of the controlling and influencing factors that affect radiographic quality. This includes a study of Bremsstrahlung and characteristic radiation, radiographic artifacts, image qualities, and exposure factors.

Prerequisite(s): None
(3.5/0/3.5)

RADT 1070 - Intro to Protection (1 Credit Hour)

A brief overview of principles and concepts of radiation, units of detection, measurements, exposure monitoring, dose equivalents and radiation limiting devices. Provides new students with knowledge of radiation protection as they begin clinical rotations.

Prerequisite(s): None
(1/0/1)

RADT 1080 - Medical Terminology (1 Credit Hour)

An intensive course for the student to develop a medical vocabulary, understand medical abbreviations and acquire the ability to recognize complex medical terms.

Prerequisite(s): None
(1/0/1)

RADT 1090 - Radiographic Pathology (2 Credit Hours)

A study of various pathological terminologies, conditions, injuries, tissues, systemic diseases, and their relevance to radiographic procedures.

Prerequisite(s): None
(2/0/2)

RADT 1090B - Radiographic Pathology (2 Credit Hours)

A study of various pathological terminologies, conditions, injuries, tissues, systemic diseases and their relevance to radiographic procedures

Prerequisite(s): None
(2/0/2)

RADT 1100 - Methods of Patient Care (1 Credit Hour)

Classroom lectures and discussions that are designed to develop competency in the fundamentals of patient care and to better understand the patient's physical and emotional needs in radiographic preparation/procedures. Also, this course will introduce the specifics of radiographic nursing procedures and will include venipuncture techniques.

Prerequisite(s): None
(1/0/1)

RADT 1110 - Pharmacology and Drug Admin (1 Credit Hour)

Introduces the student to the various categories of drugs within radiology (i.e. contrast media), expected actions/reactions, administration of various drugs and preparing for injection utilizing aseptic techniques.

Prerequisite(s): None
(1/0/1)

RADT 1120 - Radiation Physics I (2.5 Credit Hours)

This course is a study of the production and characteristics of radiation, electrostatics, dynamics and magnetism. Introduces mathematical concepts and measurements, the structure of matter and radiation interactions with matter.

Prerequisite(s): None
(2.5/0/2.5)

RADT 1120B - Radiation Physic I Pt 2 (2.5 Credit Hours)

The study of diagnostic and fluoroscopy tubes, computed and digital radiography, and circuits. This course includes the study of x-ray tube charts, anode heel effect, transformers and rectification as they relate to the x-ray circuit.

Prerequisite(s): None
(2.5/0/2.5)

RADT 1130 - Positioning and Processing (7 Credit Hours)

A study of the processes for routine and special views for radiographic procedures, to include upper and lower extremities, pelvic and shoulder girdles, vertebral column and bony thorax, with the structure and function of demonstrated anatomy.

Prerequisite(s): None
(7/0/7)

RADT 1140 - Processing (7 Credit Hours)

Introduction to the evaluation of radiographic systems to assure consistency in the production of quality radiographic services. Equipment quality control components identified and testing methods will be discussed. Taught in conjunction with Clinical Practice Applications III.

Prerequisite(s): None

(7/0/7)

RADT 1150 - Protection (2 Credit Hours)

The study of principles and concepts of radiation units of detection, measurements, exposure monitoring, dose equivalencies and radiation limiting devices. Also includes the study of radiation agencies, surveys and regulations.

Prerequisite(s): None

(2/0/2)

RADT 2010 - Anatomy and Physiology II (2 Credit Hours)

The study of the function and structure of muscular, circulatory, endocrine, reproductive, nervous and respiratory systems.

Prerequisite(s): None

(2/0/2)

RADT 2010B - Anatomy and Physiology II (2 Credit Hours)

The study of the function and structure of muscular, circulatory, endocrine, reproductive, nervous and respiratory systems.

Prerequisite(s): None

(2/0/2)

RADT 2400 - Quality Management (7 Credit Hours)

An introduction to the evaluation of radiographic systems to assure consistency in the production of quality radiographic services. Equipment quality control components are identified and testing methods are discussed.

Prerequisite(s): None

(7/0/7)