

RADR 1213 Principles of Radiographic Imaging I

0-2

Prerequisite: RADR 1260

An introduction of radiographic image qualities and the effects of exposure variables upon these qualities.

RADR 1260 Clinical-Medical Radiologic Technology/Radiographer

0-12

Prerequisite: Acceptance into Program

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

RADR 1361 Clinical-Medical Technology/Radiographer

0-16

Prerequisite: RADR 1260

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

RADR 1362 Clinical-Medical Technology/Radiographer

0-16

Prerequisite: RADR 1361

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

RADR 1309 Introduction to Radiology and Patient Care

0-3

Prerequisite: Acceptance into Program

An overview of the historical development of radiography, basic radiation protection, introduction of medical terminology, ethical and legal issues in health care professionals, and an orientation to the program and to the health care system. Patient assessment, infection control procedures, emergency and safety procedures, communication and patient interaction skills, and basic pharmacology are also included.

RADR 1411 Basic Radiographic Procedures

2-3

Prerequisite: Acceptance into Program

An introduction to radiographic positioning terminology, the proper manipulation of equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of basic anatomy.

RADR 2217 Radiographic Pathology

0-2

Prerequisite: RADR 1362

A presentation of the disease process and common diseases and their appearance on medical images.

RADR 2360 Clinical-Medical Technology/Radiographer

0-16

Prerequisite: RADR 1362

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

RADR 2401 Intermediate Radiographic Procedures

2-4

Prerequisite: RADR 1411

A continuation of the study of the proper manipulation of radiographic equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of anatomy.

RADR 2305 Principles of Radiographic Imaging II

0-3

Prerequisite: RADR 1362

A continuation of the study of radiographic imaging technique formulation, image quality assurance, and the synthesis of all variables in image production.

RADR 2309 Radiographic Imaging Equipment

0-3

Prerequisite: RADR 1309, 1311

A study of the equipment and physics of x-ray production, basic x-ray circuits, and the relationship of equipment components to the imaging process

RADR 2313 Radiation Biology and Protection

0-3

Prerequisite: RADR 2361

A study of the effects of radiation exposure on biological systems, typical medical exposure levels, methods for measuring and monitoring radiation, and methods for protecting personnel and patients from excessive exposure.

RADR 2333 Advanced Medical Imaging

0-3

Prerequisite: RADR 2431

An exploration of specialized imaging modalities.

RADR 2335 Radiologic Seminar (Capstone)

0-3

Prerequisite: RADR 2361

A capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning.

RADR 2361 Clinical-Medical Technology/Radiographer

0-16

Prerequisite: RADR 1362

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

RADR 2362 Clinical-Medical Technology/Radiographer

0-16

Prerequisite: RADR 2361

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

RADR 2331 Advanced Radiographic Procedures

0-3

Prerequisite: RADR 2401

Continuation of positioning; alignment of the anatomical structure and equipment, evaluation of images for proper demonstration of anatomy and related pathology.