

YEAR ONE:

FALL TERM

TOTAL: 11 cr

RTE 1800 Introduction to Radiography Practicum

2 cr

Designed to introduce the first year radiography students to the clinical education settings and associated patient care methodologies.

HSC 1220 Introduction to Health Sciences

1 cr

Introduces students to health care and patient care delivery systems. Includes discussion of infectious diseases and their transmission, including HIV/AIDS and hepatitis, bloodborne pathogens, legal/ ethical issues regarding violence/ abuse recognition, and reporting. Also includes CPR certification for health care providers.

RTE 1111 Introduction to Radiography Patient Care

1.5 cr

Designed to introduce the first year radiography students to basic medical terminology and patient care procedures.

RTE 1000 Introduction to Radiographic Technology

1.5 cr

Covers all aspects of radiographic image production and basic radiation protection practices.

RTE 1607 Radiographic Science Principles

1 cr

Focuses on the basic natural laws, metric conversions, atomic structure, and mathematical formulas.

RTE 1503 Radiographic Positioning I

3 cr

Focuses on proper positioning for various projections of the chest, abdomen, and skeletal system.

RTE 1503L Radiographic Positioning I Lab

1 cr

Designed to coincide with the lecture material of RTE 1503. This will give the student an opportunity to practice positioning techniques, which have been covered in RTE 1503. It also enables the student to become more familiar with film evaluation and identification.

YEAR ONE:

SPRING TERM

TOTAL: 13 cr

RTE 1418 Principles of Radiographic Exposure I

3 cr

Covers the principles of radiographic exposure to include prime factors, radiographic quality, latent image formation, intensifying screens, tube rating charts, and radiographic accessory devices.

RTE 1418L Principles of Radiographic Exposure I Lab

1 cr

Provides the student with the opportunity to demonstrate via lab exercises exposure concepts as delivered in lectures.

RTE 1513 Radiographic Positioning II

3 cr

Focuses on radiographic procedures and anatomical identification, with an emphasis on the urinary, biliary and gastrointestinal systems, as well as the vertebral column. Topics include the use, composition, and effects of contrast media on the human body.

RTE 1513L Radiographic Positioning II Lab

1 cr

Designed to coincide with the lecture material of RTE 1513. This will give the student an opportunity to practice positioning techniques, which have been covered in RTE 1513. It also enables the student to become more familiar with film evaluation and identification.

RTE 1804 Radiographic Practicum I

3 cr

Focuses on hands-on experience in radiographic procedures through clinical rotations designed for radiography students only. Practicums require 24 hours per week. Designed to meet the requirements of the American Registry of Radiologic Technologists. Includes potentially strenuous skills such as lifting and carrying.

RTE 1308 Radiation Protection and Safety

2 cr

Focuses on radiation safety/protection practices for both patients and personnel.

YEAR ONE:

SUMMER I

TOTAL: 11 cr

RTE 1523 Radiographic Positioning III

3 cr

Focuses on radiographic procedures and anatomical identification, with an emphasis on the skull and facial bones.

RTE 1523L Radiographic Positioning III Lab

1 cr

Provides experience in positioning through the use of phantoms various projections of the skull and facial bones.

RTE 1814 Radiography Practicum II (Spans Summer I & II)

3 cr

Focuses on hands-on experience in radiographic procedures through clinical rotations designed for radiography students only. Practicums require 24 hours per week. Designed to meet the requirements of the American Registry of Radiologic Technologists. Includes potentially strenuous skills such as lifting and carrying.

BSC 1086 Anatomy & Physiology II (Spans Summer I & II)

3 cr

Focuses on cardiovascular, respiratory, digestive, endocrine, immune, lymphatic, urinary, and reproductive systems.

BSC 1086L Anatomy & Physiology II Lab(Spans Summer I & II)

1 cr

College level reading and writing skills are required.

YEAR TWO:

FALL TERM

TOTAL: 12.5 cr

RTE 1457 Principles of Radiographic Exposure II

1 cr

Focuses on darkroom chemistry, processor design, digital characteristics, and sensitometry used to monitor processor conditions.

RTE 1613 Radiographic Physics I

3 cr

Includes the fundamentals of electrical and radiation physics and the basic principles underlying the operation of x-ray equipment and auxiliary devices.

RTE 2563 Special Radiographic Procedures

2.5 cr

Focuses on special radiographic and angiographic procedures with emphasis on procedural tasks and anatomical structures.

RTE 1824 Radiography Practicum III

3 cr

Focuses on hands-on experience in radiographic procedures through clinical rotations designed for radiography students only. Practicums require 24 hours per week. Designed to meet the requirements of the American Registry of Radiologic Technologists. Includes potentially strenuous skills such as lifting and carrying.

CGS 1000 Introduction to Computers and Technology

3 cr

Provides students with an introductory overview of computers and computer technology.

YEAR TWO:

SPRING TERM

TOTAL: 12 cr

RTE 2385 Radiation Biology

3 cr

Focuses on the interaction of radiation with physiological systems, genetics, radiation injury, and radiation dosimetry with an emphasis on the principles of radiation safety.

RTE 1782 Pathology of Medical/Surgical Diseases

3 cr

Focuses on terminology, the nature of diseases and their affect on tissues and organs.

RTE 2834 Radiography Practicum IV

3 cr

Focuses on hands-on experience in radiographic procedures through clinical rotations designed for radiography students only. Practicums require 24 hours per week. Designed to meet the requirements of the American Registry of Radiologic Technologists. Includes potentially strenuous skills such as lifting and carrying.

XXX XXXX Select any General Education Humanities Course

3 cr

YEAR TWO:

SUMMER I

TOTAL: 4.5 cr

RTE 2473L Quality Assurance

1 cr

Covers all aspects of quality assurance.

RTE 2061 Radiologic Seminar

2 cr

Provides the students with a comprehensive review of all aspects of the Radiography Program.

RTE 2844 Radiography Practicum V

1.5 cr

Focuses on hands-on experience in radiographic procedures through clinical rotations designed for radiography students only. Practicums require 24 hours per week. Designed to meet the requirements of the American Registry of Radiologic Technologists. Includes potentially strenuous skills such as lifting and carrying.

TOTAL CREDIT HOURS: 77