

RADIOLOGIC TECHNOLOGY (RTEC)

RTEC1111 | Introduction to Radiography | Lecture (1 Credit)

Introduction to the profession of radiologic technology. An overview of the structure of the healthcare environment, imaging equipment, radiation protection, and surgery.

RTEC1121 | Patient Care | Lecture (1 Credit)

Examine the basic concepts of patient care. Routine and emergency patient care procedures are explained, as well as infection control procedures utilizing standard precautions.

RTEC1131 | Radiographic Procedures I | Lecture (2 Credits)

Develop the knowledge required to perform radiographic procedures. Topics include: anatomy, routine projections of the abdomen, upper and lower extremities, and the shoulder girdle.

RTEC1140 | Medical Terminology | Lecture (1 Credit)

Develop a medical vocabulary. Skills in spelling, pronunciation, and defining medical terms is emphasized.

RTEC1151 | Clinical I | Clinical (2 Credits)

Provides opportunities to apply basic theoretical principles of radiography and patient care to practical experience in an imaging department. Observe and participate in radiographic procedures in a hospital or clinical setting. Execution of radiographic procedures is conducted under direct and indirect supervision of experienced registered technologists.

RTEC1200 | Radiographic Procedures | Lecture (1 Credit)

Develop the knowledge required to perform radiographic procedures.

RTEC1210 | Radiologic Exposure | Lecture (1 Credit)

Examine the factors that govern and influence the production of the radiographic image, includes exposure calculations.

RTEC1221 | Radiographic Procedures II | Lecture (2 Credits)

Develop the knowledge required to perform radiographic procedures. Topics include: anatomy, routine projections of the pelvis and femur, as well as fluoroscopic procedures.

RTEC1231 | Radiographic Procedures III | Lecture (2 Credits)

Develop the knowledge required to perform radiographic procedures. Topics include: anatomy, and routine projections of the spine and the bony thorax.

RTEC1241 | Clinical II | Clinical (2 Credits)

Continue development of skills required to become a radiologic technologist. Participate in routine radiographic procedures and observe in many of the specialty areas of a radiology department. Execution of radiographic procedures is conducted under direct and indirect supervision of experienced registered technologists.

RTEC1251 | Clinical III | Clinical (2 Credits)

Continue development of skills required to become a radiologic technologist. Participate in routine radiographic procedures and observe in many of the specialty areas of a radiology department. Execution of radiographic procedures is conducted under direct and indirect supervision of experienced registered technologists.

RTEC1311 | Radiographic Procedures IV | Lecture (2 Credits)

Develop the knowledge required to perform radiographic procedures. Topics include: anatomy, and routine projections of the cranium, facial bones, sinuses and the genitourinary. Venipuncture is introduced.

RTEC1321 | Clinical IV | Clinical (2 Credits)

Continue development of skills required to become a radiologic technologist. Participate in routine radiographic procedures and observe in many of the specialty areas of a radiology department. Execution of radiographic procedures is conducted under direct and indirect supervision of experienced registered technologists.

RTEC2110 | Radiologic Science | Lecture (1 Credit)

Concepts of basic radiographic physics and the basics of x-ray generating equipment.

Prerequisite(s): RTEC1210

RTEC2121 | Advanced Imaging | Lecture (1 Credit)

Equipment routinely utilized to produce diagnostic images, as well as various recording media and techniques. Topics include: Venipuncture; Image production in CT, MRI, IR, and other imaging modalities; special imaging considerations for geriatric, pediatric, trauma, and mobile imaging procedures; and sectional anatomy of the head, thorax, and abdomen.

Prerequisite(s): RTEC1311

RTEC2130 | Clinical V | Clinical (6 Credits)

Continues student learning experiences in the clinic or hospital setting; build on skills learned and competencies achieved in the previous semester. Topics include: common fluoroscopic, surgery, and portable radiography procedures. Execution of radiographic procedures will be conducted under direct and indirect supervision of experienced registered technologists.

RTEC2200 | Radiographic Clinicals | Clinical (1 Credit)

Apply the concepts learned in the classroom/lab in a radiology department. Execution of radiographic procedures is conducted under direct and indirect supervision of experienced registered technologists.

RTEC2221 | Radiologic Topics I | Lecture (3 Credits)

Prepare for the national certification examination with a review of basic knowledge from previous courses. Examine a variety of topics and practice for the registry exam with frequent testing.

RTEC2231 | Radiologic Topics II | Lecture (3 Credits)

Prepare for the national certification examination with a review of basic knowledge from previous courses. Examine a variety of topics and practice for the registry exam with frequent testing.

RTEC2250 | Clinical VI | Clinical (3 Credits)

Continues student learning experiences in the clinic or hospital setting; build on skills learned and competencies achieved in the previous semester. Topics include: advanced radiographic anatomy; equipment utilization; exposure techniques; sterile techniques; participation in and/or observation of angiographic, interventional and specialty rotations including MRI and CT. Execution of radiographic procedures will be conducted under direct and indirect supervision of experienced registered technologists.

RTEC2260 | Clinical VII | Clinical (3 Credits)

Continues student learning experiences in the clinic or hospital setting; build on skills learned and competencies achieved in the previous semester. Topics include: advanced radiographic anatomy; equipment utilization; exposure techniques; sterile techniques; participation in and/or observation of angiographic, interventional and specialty rotations including MRI and CT. Execution of radiographic procedures will be conducted under direct and indirect supervision of experienced registered technologists.

RTEC2320 | Clinical VIII | Clinical (3 Credits)

Continues student learning experiences in the clinic or hospital setting; build on skills learned and competencies achieved in the previous semester. Includes participation in and/or observation of routine and special radiographic procedures. Execution of radiographic procedures will be conducted under direct and indirect supervision of experienced registered technologists.