

Radiologic Technology

Degree Type

Associate in Applied Science

ASSOCIATE DEGREE IN APPLIED SCIENCE RADIOLOGIC TECHNOLOGY 85 SEMESTER HOURS

For most people, the term “x-ray” creates an image of someone who has been injured and must have an x-ray to rule out or confirm a broken bone. Due to advancements in technology, today radiation is used to produce images of the body internally and to treat cancer. Special modalities such as Mammography, Ultrasound, Magnetic Resonance Imaging (MRI), Nuclear Medicine, and Computed Tomography (CT) are growing rapidly.

Radiographers produce x-ray images (radiographs) of the human body for use in diagnosing medical problems. They interact with patients by explaining procedures and various positioning techniques necessary to produce quality images of the body. An extensive knowledge of radiography equipment is essential to produce quality radiographs. Radiographers are highly skilled individuals who through the use of high tech equipment are a vital part of the healthcare team.

Students in OCtech’s Radiologic Technology (RAD) program receive a technological education consisting of classroom and clinical experience. Students get “hands on” experience by assisting the radiographer and radiologist in examining patients for disease or injuries by using various imaging modalities and radiographic equipment. RAD students are also exposed to other areas of the hospital in which radiographic procedures are performed, such as in the Emergency Room, Surgery, Intensive Care Unit, Cardiac Care Unit, Nursery, or the patient’s room utilizing mobile X-ray units, Computed Tomography, Nuclear Medicine, Magnetic Resonance Imaging, Ultrasound, Radiation Therapy, Heart Cath, and Special Procedures.

The mission of the Orangeburg-Calhoun Technical College Department of Radiologic Technology is to provide a comprehensive education in the science of radiography that will allow graduates to deliver efficient healthcare and contribute to the life of the communities of interest.

The program goals are:

Goal 1: The student will apply critical thinking skills.

Goal 2: The student will demonstrate clinical competency.

Goal 3: The student will demonstrate the ability to communicate effectively.

Graduates of the program are eligible to sit for the official registry exam given by the American Registry of Radiologic Technologists (A.R.R.T.). Upon passing the exam, they are entitled to use the abbreviation R.T. (R.) (A.R.R.T.), which means Registered Radiographer, following their name.

OCtech’s Radiologic Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182; telephone number: (312) 704-5300; e-mail address: mail@jrcert.org or website: www.jrcert.org

With additional education, Radiologic Technology can be a stepping stone for careers in the related allied health professions, such as Radiation Therapy, Nuclear Medicine, Ultrasound, Education, Management, Special Procedures, Computed Tomography, Magnetic Resonance Imaging and Mammography.

Classes begin in the fall semester only. Admission to the Radiologic Technology program is based on successful completion of all required program paperwork and admission requirements. Admission requirements may be obtained online at www.octech.edu. It is highly recommended that students job shadow prior to applying to the program.

Clinical facilities require students to have a Criminal Background Check and Drug Screen prior to participating in clinical rotations. Students will be required to have a Criminal Background Check and Drug Screen through facilities specified by the College only.

Criminal Background Checks and Drug Screens will be reviewed with designated personnel at the clinical facility. All findings must be satisfactory with the clinical facility prior to clinical placement. Students not accepted for clinical rotations will not be able to successfully complete the course or program. Students are responsible for all fees associated with drug screens and background checks.

Proof of current CPR certification before entering RAD clinical educational centers is required. Proof of CPR should include infant, child, adult and AED-BLS for healthcare providers. Out-of-town travel will be required for selected clinical experiences. Students are responsible for their own transportation to and from the clinical sites. Sites are located in Orangeburg, Columbia and Manning. All students will rotate to the various clinical sites. All students must be eligible to rotate to all sites while in the program. If a student becomes unable to rotate, they will be withdrawn from the program. All students are required to get all immunizations/vaccinations and titers as required by each clinical site.

Minimum grade of "B" (80%) competency required in all Radiology courses. Minimum grade of "C" is required in all related courses.

Fall I

Course Number	Title	Credits
RAD-101	Intro to Radiography	2
RAD-102	Radiology Patient Care Procedures	2
MAT-102	Intermediate Algebra	3
BIO-210	Anatomy & Physiology I	4
RAD-152	Applied Radiography I	2
RAD-130	Radiographic Proced I	3

Spring I

Course Number	Title	Credits
ENG-101	English Composition	3
BIO-211	Anatomy & Physiology II	4
RAD-165	Applied Radiography II	5
RAD-112	Radiographic Imaging Fundamentals	2
RAD-136	Radiographic Proced II	3

Summer I

Course Number	Title	Credits
RAD-115	Radiographic Imaging II	3
RAD-150	Clinical Applications I	4
RAD-121	Radiographic Physics	4

Fall II

Course Number	Title	Credits
RAD-230	Radiographic Proced III	3
RAD-258	Advanced Radiography I	8
RAD-281	Advanced Imaging II	2
PSY-201	General Psychology	3

Spring II

Course Number	Title	Credits
RAD-201	Radiation Biology	2
RAD-220	Selected Imaging Topics	3
RAD-268	Advanced Radiography II	8
	Humanities Elective (3 credits)	3

Summer II

Course Number	Title	Credits
RAD-278	Advanced Radiography III	8
RAD-235	Radiography Seminar I	1

[RAD-101](#): Speech component included.

Total Credits	85
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