



PENSACOLA
STATE COLLEGE

Associate in Science in Radiography Program Information

Pensacola State College is an EA/EO Institution

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Accreditation

Pensacola State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate degrees, associate degrees and certificates. Verification of accreditation may be obtained from the Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097 or by telephone to (404) 679-4500.

The Associate of Science in Radiography is accredited by The Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, Illinois 60606-3182, Phone: 312-704-5300, www.jrcert.org. Accreditation status and program effectiveness data can be found on the JRCERT website.

Radiography Program Mission Statement

The mission of the Pensacola State College Radiography Program is to graduate radiographers who are proficient in radiation safety and patient care and who meet all competency standards required by the American Registry of Radiologic Technologists (ARRT).

General Information

Radiographers are responsible for producing high-quality diagnostic images with X-ray equipment to aid in diagnosing various medical problems. They prepare the patient and correctly position them between the radiation source and the image detector, while protecting areas not to be exposed to unnecessary radiation, to produce a diagnostic image. After making the exposure, they evaluate the image for quality and complete the examination in the computer system. Radiographers communicate with the patient and other health care team members in a professional manner and provide patient care and radiation safety. Experienced radiographers may perform more complex imaging tests such as magnetic resonance imaging (MRI), computed tomography scans (CT), interventional vascular procedures (IR), or mammography with additional on the job training and education.

Program Description

The Radiography Program is five semesters and accepts a new cohort in the fall semester. The program is limited access, meaning the student must meet admission criteria and then is ranked by date if meeting that criteria to determine acceptance into the program. The graduate of the program is eligible to take the national licensure exam given by the American Registry of Radiologic technologists (ARRT). To become employed as a Registered Technologist (R.T.), one must successfully pass the ARRT exam. Each student is encouraged to consult with an advisor prior to entering the program.

Radiography Program Goals and Student Learning Outcomes

Program Goal #1:

Student Learning Outcome:

The student will be clinically competent.

- The student will practice safe application of radiation at all times, thereby protecting self, patients, and other personnel.
- The student will produce diagnostic radiographs safely and completely in the context of all radiographic criteria and techniques.

Program Goal #2:

Student Learning Outcome:

The student will demonstrate communication skills.

- The student will use appropriate medical terminology and complete information in written and oral communication relative to patients, radiographers and other medical staff.
- The student will discuss procedures and care strategies with patients in a manner appropriate to the patient.

Program Goal #3:

Student Learning Outcome:

The student will develop critical thinking skills.

- The student will apply appropriate treatment modalities to medical trauma patients in accordance with appropriate scope of practice.

- The student will evaluate images to determine quality and provide suggestions for correction.

Program Goal # 4

Student Learning Outcome:

The student will model professionalism.

- The student will demonstrate professionalism in the implementation of the role of the radiography technologist.
- The student will discuss and describe resources that promote lifelong learning.

Students are expected to adhere to the American Registry of Radiologic Technologists, ARRT, Code of Ethics which are as follows.

1. The Registered Technologist acts in a professional manner, responds to patient needs, and supports colleagues and associates in providing quality patient care.
2. The Registered Technologist acts to advance the principal objective of the profession to provide services to humanity with full respect for the dignity of humankind.
3. The Registered Technologist delivers patient care and service unrestricted by concerns of personal attributes or the nature of the disease or illness, and without discrimination on the basis of race, color, creed, religion, national origin, sex, marital status, status with regard to public assistance. Familial status, disability, sexual orientation, gender identity, veteran status, age, or any other legally protected basis.
4. The Registered Technologist practices technology founded on theoretical knowledge and concepts, utilizes equipment and accessories consistent with the purposes for which they have been designed and employs procedures and techniques appropriately.
5. The Radiologic Technologist assesses situations, exercises care, discretion, and judgment, assumes responsibility for professional decisions, and acts in the best interest of the patient.
6. The Registered Technologist acts as an agent through observation and communication to obtain pertinent information for the physician to aid in the diagnosis and treatment of the patient and recognizes that interpretation and diagnosis are outside the scope of practice for the profession.
7. The Registered Technologist utilizes equipment and accessories, employs techniques and procedures, performs services in accordance with an accepted standard of practice, and demonstrates expertise in minimizing radiation exposure to the patient, self, and other members of the health care team.
8. The Registered Technologist practices ethical conduct appropriate to the profession and protects the patient's right to quality radiologic technology care.
9. The Registered Technologist respects confidences entrusted in the course of professional practice, respects the patient's right to privacy, and reveals confidential information only as required by law or to protect the welfare of the individual or the community.
10. The Registered Technologist continually strives to improve knowledge and skills by participating in educational and professional activities, sharing knowledge with colleagues, and investigating new and innovative aspects of professional practice. One means available to improve knowledge and skill is through professional continuing education.
11. The Registered Technologist refrains from the use of illegal drugs and/or controlled substances which result in impairment of professional judgement and/or ability to practice radiologic technology with reasonable skill and safety to patients.

Admission Requirements

The radiography program is a limited access program. Admission requirements must be completed before a student will be considered for admission to the radiography program.

ADMISSION REQUIREMENTS

- High School Diploma/GED
- College Application
- Minimum grade of “C” or better and 2.75 GPA on Program Specific General Education Prerequisite Courses.
 - Essentials of Anatomy and Physiology (BSC 1080)
 - Essentials of Anatomy and Physiology Lab (BSC 1080L)
 - Introduction to College Chemistry (CHM1020)
 - English Composition I
 - College Algebra (MAC 1105)

PROGRESSION REQUIREMENTS

- A grade of C or higher in courses in the curriculum
- Earn a cumulative grade point average of 2.0 or better in all courses applicable to the program of study.
- Satisfactory completion of clinical requirements which include the following:
 - Level II FDLE background screen;
 - Urine drug screen;
 - Immunizations and Vaccines; and
 - Current American Heart Association Basic Life Support for Healthcare Providers Certification or American Red Cross Basic Life Support/CPR for Healthcare Providers Certification.

COMPLETION REQUIREMENTS

- Earn a cumulative grade point average of 2.0 or better in all courses applicable to the program of study.
- Meet academic residence requirement of completing at least 25% of the program with classes at Pensacola State College.

Radiography Program Grading Scale

93-100	A
88 - 92	B+
83 – 87	B
79 – 82	C+
75 – 78	C
72 – 74	D+
70 – 72	D
Below 70	F

Clinical Requirements

Background Screen

Complete and satisfy a Level II background screen. Applicants who have an arrest record (other than a minor traffic violation) should be aware that they may not be permitted to sit for the American Registry of Radiologic Technologists national registry (ARRT registry) after graduation. The ARRT determines eligibility for the applicant after receiving an individual's application. Refer to <https://www.rrt.org/> for questions.

The Radiography Program follows the guidelines determined by the Florida Department of Health, ARRT, and clinical facilities.

Please note, pursuant to Section 456.0635, *Florida Statutes*, you are being notified that effective July 1, 2010, health care boards or the department shall refuse to issue a license, certificate, or registration and shall refuse to admit a candidate for examination if the applicant has been:

1. Convicted or plead guilty or nolo contendere to a felony violation of chapters 409, 817, or 893, Florida Statutes; or 21 U.S.C. ss. 801-970 or 42 U.S.C. ss 1395-1396, unless the sentence and any probation or pleas ended more than 15 years prior to the application.
2. Terminated for cause from Florida Medicaid Program (unless the applicant has been in good standing for the most recent five years).
3. Terminated for cause by any other State Medicaid Program or the Medicare Program (unless the termination was at least 20 years prior to the date of the application and the applicant has been in good standing with the program for the most recent five years).

You will not be allowed to participate in the program while under probation or if a charge or arrest is under review. It is the student's responsibility to notify the Radiography Program Director if a change in criminal background has occurred.

10-Panel Urine Drug Screen

Complete and satisfy a 10-panel urine drug screen. The Radiography Program follows the guidelines determined by the clinical facilities and must have a negative urine drug screen as determined by the Medical Review Officer.

The 10-panel urine drug screen tests for the following drugs: Alcohol, Amphetamines, Cannabinoids, Phencyclidine, Opiates, Barbiturates, Benzodiazepines, Synthetic Narcotics, Methadone, and Propoxyphene.

Health Physical Examination

In order to participate in clinical experiences, you must provide assurance that you are in good physical and mental health. Assurance is documented by the Health Physical form which is completed by a Health Care Provider in the United States licensed to perform physical examinations (e.g. MD, DO, ARNP, PA, or Chiropractor). The following table describes the expected technical and physical abilities of a student. If abilities are not able to be met, the student is responsible for meeting with the ADA office with Pensacola State College.

Technical Standards, Physical Abilities and Skills	Standard	Examples
Mobility	Physical abilities sufficient to move independently in radiology rooms, walk in hallways, maneuver in small places such as patient rooms, etc.	<ol style="list-style-type: none"> 1. Standing and walking for 7-8 hours at a time while actively engaged in radiographic procedures 2. Pushing and moving stretchers and wheelchairs with patients from waiting areas to procedure rooms 3. Pulling and moving patients to and from radiographic table 4. Lifting/carrying and attaching extra radiographic table components for specific procedures 5. Utilize good body mechanics 6. Pushing heavy mobile radiographic equipment throughout the hospital 7. Reaching up to 6' with the use of a step stool if needed to manipulate equipment 8. Stoop, bend, squat, reach overhead while maintaining balance
Motor Skills	Gross and fine motor skills to practice safe and efficient patient care; sufficient manual dexterity to manipulate radiography equipment in the patient care setting	<ol style="list-style-type: none"> 1. Manual dexterity to perform patient care procedures and apply principles of infection control 2. Ability to manipulate locks, dials, switches, toggles and other devices on equipment in order to perform routine radiographically related tasks 3. Perform physical assessment and vital signs
Physical Strength and Stamina	Ability to lift, carry, push or pull up to 50 pounds occasionally, 20 pounds frequently, and 10 pounds constantly	<ol style="list-style-type: none"> 1. lift, turn, transfer and move patients confined to bed 2 Assist with lifting patients from wheelchair/ stretcher to exam table 3. Stoop, kneel, crouch, climb, balance, stand, and walk
Hearing	Auditory ability sufficient to monitor and assess health needs	<ol style="list-style-type: none"> 1. Hear alarms, call bells, and telephones in patient care 2. Hear conversation with/between patient, physicians, and staff <p>Hear and correctly interpret verbal communication from others</p> <ol style="list-style-type: none"> 2. Distinguish sounds with background noise

Technical Standards, Physical Abilities and Skills	Standard	Examples
Visual	Visual ability sufficient for observation and assess patient at all times including low lighting areas	<ol style="list-style-type: none"> 1. Read exam orders, evaluate images, visually assess patient and non-verbal behaviors 2. Ability to read and understand the words, numbers and measurements on a variety of devices and equipment used in a medical facility in normal reading light or where illumination is back-lit. 3. Perform radiographically related tasks in dimly lit procedure rooms during fluoroscopic procedures using scotopic (dark-adapted) vision. 4. Assess patient skin color/ changes and observe subtle changes in their condition
Tactile	Tactile ability sufficient for positioning patient for imaging, physical assessment, and to provide necessary health care	<ol style="list-style-type: none"> 1. Palpate external body landmarks to precisely line up radiographic tube 2. Drawing up contrast from vial for intravenous injection and starting IVs 3. insert urinary catheters.
Communication	Communication abilities sufficient for interaction with others in coherent and concise oral and written form	<ol style="list-style-type: none"> 1. Follow spontaneous verbal and/or written instructions 2. Consult with health care team members/workers in a professional manner 3. Communicating in a clear and concise manner to people in various departments. 4. Asking patients questions to obtain appropriate medical history and document it 5. Listening to responses 6. Hearing while there are various background sounds during equipment operation.
Inter-personal	Interpersonal skills sufficient for interaction with patients, families and groups from diverse backgrounds (social, cultural, emotional, and intellectual) in a variety of health care settings	<ol style="list-style-type: none"> 1. Work effectively with patients, families and other healthcare providers in stressful and emotional situations and work environments
Critical Thinking	Critical thinking sufficient for decision making and clinical judgement	<ol style="list-style-type: none"> 1. Readily respond with appropriate actions during intense trauma situations 2. Possess sufficient problem-solving skills to accurately obtain radiographic images, analyze and evaluating them, while providing optimal patient care with the ability to perform these necessary skills in a timely fashion
Computer Literacy	Ability to use computer technologies including accessing, retrieving, and communicating information	<ol style="list-style-type: none"> 1. Use Email, WORD, PowerPoint, and search engines 2. Access library databases 3. Use radiographic digital image management systems (PACS)

Radiography Program of Study

Prerequisite Courses (13 cc)

Students must complete the following prerequisite courses with a C or better to be accepted into the Radiography Program.

BSC 1080	Essentials of Anatomy and Physiology
BSC 1080L	Essentials of Anatomy and Physiology Laboratory
CHM 1020	Introduction to College Chemistry
ENC 1101	English Composition I
MAC 1105	College Algebra

The student may take BSC 1080 and BSC 1080L or must take BSC 2085, BSC 2085L, BSC 2086, and BSC 2086L.

Fall: Term 1 (16 cc)

RTE 1000	Introduction to Radiologic Technology	3cc
RTE 1111C	Radiographic Nursing Procedures	3cc
RTE 1418C	Principles of Radiographic Exposure	3cc
RTE 1503C	Radiographic Positioning I	3cc
RTE 1804L	Radiography Clinic I*	4cc

Spring: Term 2 (13 cc)

RTE 1513C	Radiographic Positioning II	3cc
RTE 1814L	Radiography Clinic II*	5cc
RTE 2473	Radiation Biology, Safety and Quality Assurance	2cc
RTE 2601	Radiographic Imaging	3cc

Summer: Term 3 (9 cc)

RTE 1562C	Radiographic Special Procedures	4cc
RTE 1824L	Radiography Clinic III*	5cc

Fall: Term 4 (13 cc)

RTE 2523C	Radiographic Positioning III	2cc
RTE 2563	Advanced Radiographic Procedures	3cc
RTE 2782	Applied Radiographic Pathophysiology	3cc
RTE 2844L	Radiography Clinic IV*	5cc

Spring: Term 5 (13cc)

RTE 2061	ARRT Review	2cc
RTE 2854L	Radiography Clinic V*	5cc
See Choices	Humanities (General Education Core Course)	3cc
See Choices	Social Sciences (General Education Core Course)	3cc

*The student is required to complete clinical hours to satisfy the course.

TOTAL: 77cc

Estimated Program Cost

Expenses	In-State	Alabama Residents	Out of State
Pensacola State College Matriculation Fee (first time students)	30.00	30.00	30.00
Tuition – 77 credits (104.58/cc FL) (114.58/ cc AL) (419.76/ cc out of state)	8,052.66	8,822.66	32,321.52
Lab Fees	385.00	385.00	385.00
Estimated Costs: Books, Module, Form Packets, and Assessment Tests	1,826.00	1,826.00	1,826.00
Preclinical Physical Examination, Immunizations, and Vaccines	Varies	Varies	Varies
Uniforms	Varies	Varies	Varies
Program Total	10,293.66	11,063.66	34,562.52

Who Can I Call If I Have Questions About the Program or The Application Process?

Department	Telephone #
Allied Health Department Head Dr. Mitzie Sowell.....	484-2301 msowell@pensacolastate.edu
Academic Administrative Assistant Jeanine Dickinson.....	484-2308 jadickinson@pensacolastate.edu
Program Director Ms. Julie Burger.....	484-2346 jburger@pensacolastate.edu
Academic Advising Offices Warrington Campus	484-2270
Pensacola Campus.....	484-1630
Milton Campus.....	484-4410
South Santa Rosa Center	471-4630
Century Center	471-4622
Admissions Warrington Campus	484-2270
Pensacola Campus.....	484-2544
Milton Campus.....	484-4410
South Santa Rosa Center	471-4630
Century Center	471-4622
	healthprograms@pensacolastate.edu
Financial Aid/Veteran Affairs/Scholarships Pensacola Campus.....	484-1680
Warrington Campus	484-2349
Milton Campus.....	484-4410