

Prepare for a Healthcare Career in **Radiography**





WE ALL DREAM OF SUCCESS. OUR GOAL IS TO HELP YOU ACHIEVE IT.

Meet American Career College

With over 45 years of experience in healthcare training and more than 70,000 graduates, ACC is here to help you make your goals a reality.

Our classes are modeled after real-life scenarios, using the same medical tools and equipment you'll use on the job. That way, you're prepared to jump in on your very first day. We provide education focused on real-world skills and knowledge, giving our students the opportunity to change their lives for the better.

What is a Radiologic Technologist?

Radiologic technologists perform imaging examinations, such as X-rays, to help diagnose patients. They can help with a variety of tasks, including preparing patients for examinations, explaining procedures, performing X-rays, and maintaining equipment.¹

Radiologic technologists can work in a variety of facilities including hospitals, medical laboratories, and clinics.

Program Overview

ACC's Radiography program aims to prepare you with both the hands-on skills you'll need to work with patients and produce images for diagnosis.

Radiography Skillset



Operating Equipment

Learn to work computerized Tomography (CM) Imaging equipment to capture images of your patients.



X-Ray Protection

Protect the patient by shielding exposed areas that do not need to be imaged.



Body Positioning

Help position the patient and the equipment in order to get the best image possible.

¹<https://www.bls.gov/ooh/healthcare/radiologic-technologists.htm#tab-1>



Radiography Program

ACC's Radiography program helps you develop the necessary knowledge and skills for radiography training. Additionally, the program includes clinical practicum courses so you can gain real-world clinical experience.

ACC's Radiography program is divided into 8 terms consisting of general education and core radiography classes. Students start their clinical experience in Term 4 and complete a total of 1,040 clinical hours throughout the

Term 1

ANAT105 Clock Hours 60 | Quarter Credits 6

Introduction to Anatomy and Physiology*

The purpose of this course is to understand the organization and general plan of the body and the importance of how the human body functions. This includes an introduction to the human body, chemical aspects of the life, cells, tissues, membranes, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems.

MATH100 Clock Hours 40 | Quarter Credits 4

College Mathematics I*

This course covers fundamental mathematical concepts including algebraic expressions, linear equations, graphing, polynomials, exponents, radicals, and their applications in real-world scenarios, providing a comprehensive foundation for further mathematical studies.

RADT125 Clock Hours 20 | Quarter Credits 2

Introduction to Radiologic Sciences

This introductory course outlines the role of a Radiologic Technologist, the history of radiology, hospital and imaging department operations, and exam reimbursement protocol. Students will be introduced to accreditation, certification, professional organizations, and the policies/regulations for the program.

TERM 2

RADT230 Clock Hours 40 | Quarter Credits 4

Radiographic Physics

This course provides the needed concepts of how a radiographic image is produced for diagnostic radiography, fluoroscopy, and mobile radiography. Atomic structure, magnetism, electricity, and the circuitry of the X-ray unit are covered.

RADT225 Clock Hours 60 | Quarter Credits 4

Radiographic Positioning I

This course will provide the theory and laboratory practice for students to position patients for radiographic examinations of the respiratory system, abdomen, bony thorax, upper and lower extremities, and related joints. Students will also be taught the use of proper radiation protection, and to analyze and critique the produced diagnostic images.

*Courses delivered fully online.

ENGL100

Clock Hours 40 | Quarter Credits 4

Written Communications I*

This course provides instruction in the process of effective written communication for a variety of formats. It initially focuses on four basic areas of effective writing: unity, specifics, coherence, and grammar. The course will utilize reading, discussion, and personal insight to increase students' capacity to write simple paragraphs, formal essays, reports and research projects. Students will be equipped with techniques that facilitate creative, academic, and professional written communication. Additionally, students will be given library activities to enhance research skills.

Teaching Strategies: This online course may include recorded lectures, learning exercises, threaded discussions, case studies, practical application assignments and student-peer and student-faculty interactions.

TERM 3**RADT325**

Clock Hours 60 | Quarter Credits 4

Radiographic Positioning II

This course will provide the theory and laboratory practice for students to position patients for radiographic examinations of the vertebral column, cranium, facial bones, and sinuses. Students will also be taught the use of proper radiation protection, and to analyze and critique the produced diagnostic images.

RADT250

Clock Hours 70 | Quarter Credits 6

Principles of Image Production

This course will provide a knowledge base about the factors of X-ray image creation, which will include the equipment accessories and exposure factors that affect the quality of a radiograph. Students will participate in laboratory experiments to enhance the comprehension of image creation concepts.

RADT330

Clock Hours 50 | Quarter Credits 4

Patient Care

This course will provide the basic concepts and skills that are required for the appropriate standard of care for patients, which include communication, medical history documentation, and patient assistance. Students will demonstrate competence in taking vital signs and patient transfers. The importance of infection control and the technologists' role in medical emergencies will be discussed.



TERM 4**RADT425**

Clock Hours 60 | Quarter Credits 4

Radiographic Positioning III

This course will provide the theory and laboratory practice for students to position patients for radiographic examinations of the gastrointestinal, genitourinary, and special procedures using contrast material. Students will also be taught the use of proper radiation protection, and to analyze and critique the produced diagnostic images.

RADT430

Clock Hours 50 | Quarter Credits 4

Radiation Biology and Protection

This course will provide the concepts of proper radiation protection protocols for the general public and imaging personnel. Regulatory agencies, dosage, shielding, and radiation protection principles for radiography, mobile radiography, and fluoroscopy will be explained. Students will perform laboratory experiments to enforce the concepts taught.

RADT400C

Clock Hours 160 | Quarter Credits 5

Clinical Practicum I

This course is a practical application of the concurrent theoretical learning. Competency based assignments in thorax, abdomen, extremities, vertebral column, cranium, facial bones, and sinuses to include mobile radiography will be introduced under the supervision of certified Radiologic Technologists.

TERM 5**RADT375**

Clock Hours 30 | Quarter Credits 3

Digital Imaging

This course provides the base knowledge of computer/digital technology and the practical application of use within the radiologic field.

RADT525

Clock Hours 20 | Quarter Credits 2

Law and Ethics in Imaging*

This course introduces the medico-legal and medical ethics principles of the healthcare profession specific to the imaging profession.

RADT500C

Clock Hours 240 | Quarter Credits 8

Clinical Practicum II

This course is a progression of practical applications of concurrent theoretical learning. Students will continue the competency-based assignments that assess additional real-world radiographic techniques applied to additional body systems not yet covered in the previous clinical practicum course. Students will continue to be assessed under the supervision of certified Radiologic Technologists.

TERM 6**PSYC100**

Clock Hours 40 | Quarter Credits 4

Introduction to Psychology*

This course provides basic psychological concepts such as the nervous system, memory, intelligence, and development along with Freudian, humanistic, social, cognitive, and trait theories.

RADT625

Clock Hours 30 | Quarter Credits 3

Introduction to Computed Tomography with Cross-Sectional Anatomy*

This course provides the advanced student with an introduction to the principles and applications of computed tomography (CT) in the imaging department.

RADT600C Clock Hours 240 | Quarter Credits 8**Clinical Practicum III**

This course is a progression of practical applications of concurrent theoretical learning. Students will continue the competency-based assignments that assess additional real-world radiographic techniques applied to additional body systems not yet covered in the previous clinical practicum courses. Students will continue to be assessed under the supervision of certified Radiologic Technologists.

TERM 7

RADTSM1 Clock Hours 50 | Quarter Credits 5**Radiology Seminar I**

This course is a review of the content specifications that are critical for the American Registry of Radiologic Technologists (ARRT) certification examination.

HUM118 Clock Hours 40 | Quarter Credits 4**Humanities***

The course compares varied cultural traditions among groups of people in a given society who are interdependent and autonomous. The emphasis is focused on shared socioeconomic and political systems in a society and an appreciation of the distinct cultural practices among groups that coexist in society.

RADT700C Clock Hours 240 | Quarter Credits 8**Clinical Practicum IV**

This course is a progression of practical applications of concurrent theoretical learning. Students will continue the competency-based assignments that assess additional real-world radiographic techniques applied to additional body systems not yet covered in the previous clinical practicum courses. Students will continue to be assessed under the supervision of certified Radiologic Technologists.

TERM 8

RADTSM2 Clock Hours 50 | Quarter Credits 5**Radiology Seminar II**

This course is a review of the content specifications that are critical for the American Registry of Radiologic Technologists (ARRT) certification examination.

PD200 Clock Hours 20 | Quarter Credits 2**Career Readiness and Professional Development***

This course provides advanced instruction in transferable academic and professional competencies for students in the completion phase of an associate degree program. Emphasis is placed on the analysis and application of effective written and oral

communication, critical thinking, and ethical reasoning in academican professional contexts. Students integrate prior learning to evaluate professional scenarios, assess interpersonal and professional behaviors, critically evaluate information from multiple sources, and synthesize self-assessment data to develop strategies supporting academic completion, adaptability, and lifelong learning across diverse career pathways.

RADT800C Clock Hours 160 | Quarter Credits 5**Clinical Practicum V**

This course is a progression and culmination of practical applications of concurrent theoretical learning. Students will continue and complete the competency-based assignments that assess additional real-world radiographic techniques applied to additional body systems not yet covered in the previous clinical practicum courses. Students will be assessed under the supervision of certified Radiologic Technologists.

PROGRAM TOTAL: Clock Hours **1870**
Quarter Credits **108**



“ Being a radiographer involves watching your images, monitoring your work, and your hard work comes up on the screen when we’re doing labs, and watching us position the phantoms, then taking the image and seeing it come out. ”

- SHANNAN G., RAD '19

Start Your Change Today

Accreditation

ACC is institutionally accredited by the Accrediting Bureau of Health Education Schools (ABHES). ABHES: 6116 Executive Blvd., Suite 730, North Bethesda, MD 20852, 301-291-7550 / www.abhes.org.

Student Outcome Information		
Accrediting Bureau of Health Education Schools (ABHES) Dallas-Fort Worth: New program		
Program Costs		
https://americancareercollege.edu/catalog/current/financial-information/program-tuition-and-fees/degree-programs-tuition		
O*Net Occupation Titles	SOC Code	Links to Occupational Profiles on O*Net
Computed Tomography Technologist (CT Technologist), MRI Technologist (Magnetic Resonance Imaging Technologist), Mammographer, Mammography Technologist, Radiographer, Radiologic Technologist (RT), Radiological Technologist, Radiology Technologist, Staff Technologist, X-Ray Technologist (X-Ray Tech)	29-2034.00	http://www.onetonline.org/link/summary/29-2034.00
To obtain a list of the objective sources of information used to substantiate the salary disclosures, please refer to the California Employment Development Department website at: https://www.labormarketinfo.edd.ca.gov/Occupational-Guides.html . ACC provides career guidance and assistance but cannot guarantee employment. Programs lengths vary by schedule and session. The opinion is the individual's sole opinion and not necessarily representative of that of the school, any instructor or any other student.		

Location

Texas-DFW campus

Duration

Approximately 20 months

Schedule

Combination of campus and online instruction. Schedule will vary by quarter.

Enrollment Requirements

Some of the admissions requirements include:

- Must be at least 18 or have a parent's or guardian's signature
- Must have a high school diploma or the equivalent
- Must take and pass entrance exams

Be sure to speak with an admissions advisor to get all the necessary information to apply for the Radiography

Instructional Equipment

Here are some of the exciting tools you will get hands-on experience with: CR digital reader; CR/DR digital equipment; lead aprons; lead gloves; lead mats; mini c-arm unit; mobile shields; patient shields; penetrometer; phantoms: torso, chest, hand, elbow, foot and knee; portable radiography unit; sandbags; sponges; thyroid shields; X-ray unit: console, table with float top, tube/collimator, and wall unit.

Curious to Learn More? Let's Connect

Discover how ACC's program helps set you on the path towards a rewarding career, **connect with an advisor** to learn more about the Radiography program and explore financial aid options.

AmericanCareerCollege.edu
1-888-thinkACC (844-6522)

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