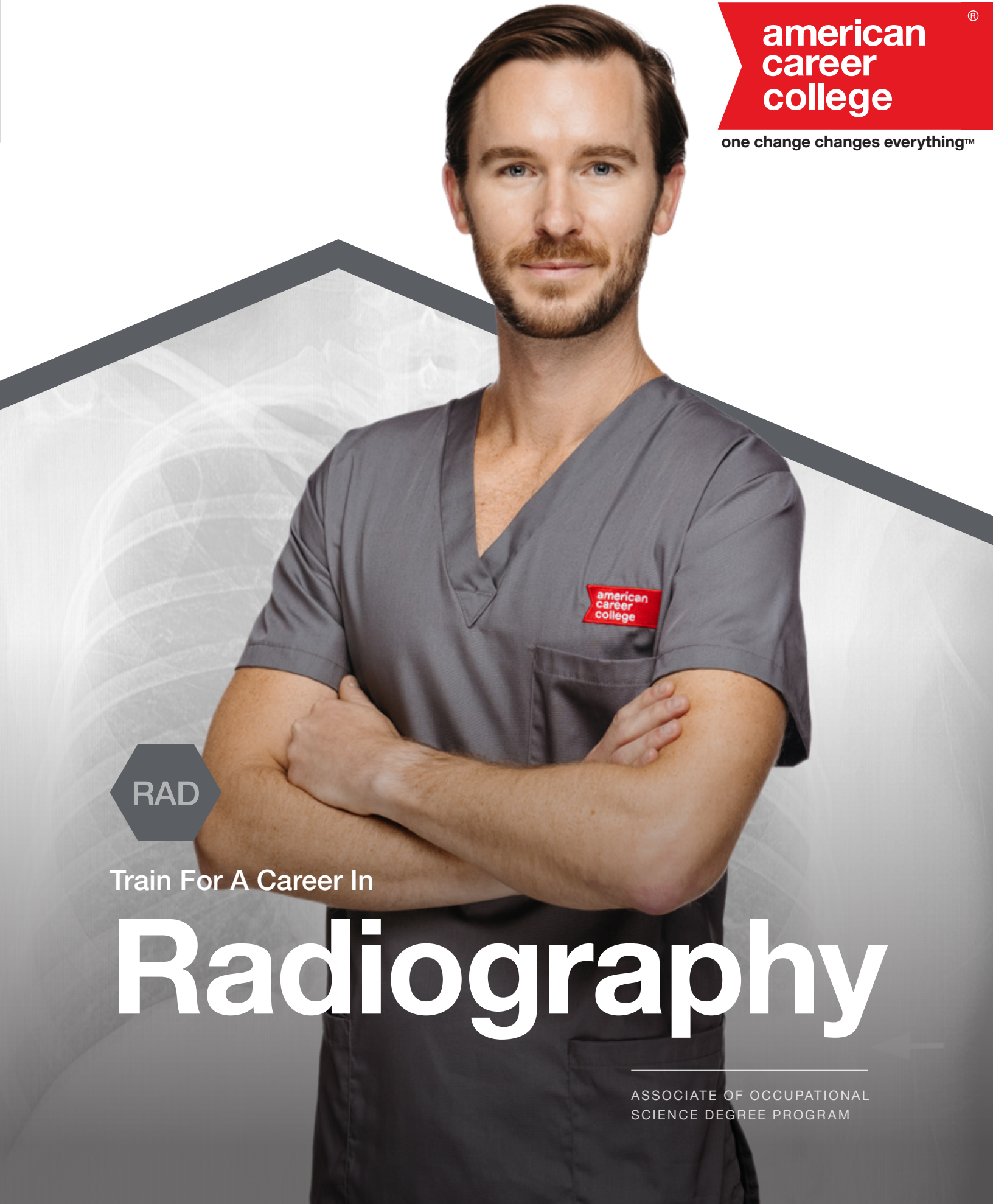
american career college®

one change changes everything™



RAD

Train For A Career In

Radiography

ASSOCIATE OF OCCUPATIONAL SCIENCE DEGREE PROGRAM

We all dream of **success**.
Our goal is to help you achieve it.

Meet American Career College

With over 40 years of experience in healthcare training and more than 50,000 alumni in California, 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.labormarketinfo.edd.ca.gov/OccGuides/detail.aspx?Soccode=292037&Geography=0601000000

Radiography Program

ACC's Radiography program helps you develop the necessary knowledge for entry-level roles as a radiologic technologist. Additionally, the program includes an off-campus externship so you can gain real-world clinical experience.

ACC's Radiography program is divided into ten 10-week quarters consisting of general education and core radiography classes. Students start their clinical experience in the fifth term and complete a total of 1,860 clinical hours.

General Education Courses:

ANAT200 Clock Hours 20 | Quarter Credits 2

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.

ANAT200-L Clock Hours 40 | Quarter Credits 2

Introduction to Anatomy and Physiology Lab

The purpose of this laboratory course is to develop an understanding of the organization and general plan of the body, maintaining homeostasis, and the importance of how the human body functions through applied and practical learning. Practical exposure to systems of study will include, but is not limited to: the study of cells and tissues, the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Concepts of development, metabolism, fluid and electrolyte balance, pregnancy, prenatal development, genetics and their impact on human movement and health are included. Laboratory learning activities will include identification of anatomical structures, surface anatomy, and their function and relationship to homeostasis.

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.

MATH100 Clock Hours 40 | Quarter Credits 4

College Mathematics I

This course will cover mathematical logic, Boolean algebra, set theory, number abstractions, operations and their properties, monomials, polynomials, equations, and inequalities.

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.

*Courses delivered in a blended format, a combination of online and on ground.

**Courses delivered fully online.

Core Radiography and Other Courses:

CAREER200 Clock Hours 20 | Quarter Credits 2

Career Advantage*

Career Advantage is a course designed to prepare students to develop career planning and job search skills. Thorough, relevant job search preparation is required to compete successfully for jobs in today's market. To prepare the student, the course will address six areas: resumes, job search process, networking techniques in a job search, interview planning and preparation, communication, and workplace skills.

RAD120 Clock Hours 10 | Quarter Credits 1

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.

RAD150 Clock Hours 3 | Quarter Credits 3

Medical Terminology*

This course is an introduction to basic medical imaging terminology and prepares students for more advanced course work in subsequent courses by providing an introduction to general medical imaging terminology. Students will study the roots, prefixes, suffixes, and abbreviations as well as general terms and their appropriate usage in medical imaging practice.

RAD220 Clock Hours 30 | Quarter Credits 3

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.

RAD250 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.

RAD320 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.

RAD350 Clock Hours 70 | Quarter Credits 6

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.

RAD370 Clock Hours 20 | Quarter Credits 2

Digital Imaging*

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

RAD420 Clock Hours 40 | Quarter Credits 3

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.

RAD450 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.

RAD470 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.

RAD520 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.

RAD620 Clock Hours 30 | Quarter Credits 2

Pharmacology/Venipuncture*

This course provides the basic methods for the administration of contrast material and the basic practices of venipuncture for the Radiologic Technologist. This course meets California Health and Safety Code, Section106985.

RAD720 Clock Hours 40 | Quarter Credits 4

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.

RADSEM1 Clock Hours 30 | Quarter Credits 3

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.

RADSEM2 Clock Hours 30 | Quarter Credits 3

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.

RAD500C Clock Hours 300 | Quarter Credits 10

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.

RAD600C Clock Hours 300 | Quarter Credits 10

Clinical Practicum II

This course is a practical application of the concurrent theoretical learning. Competency based assignments in thorax, abdomen, and extremities, vertebral column, cranium, facial bones, and sinuses will continue and competency based assignments for gastrointestinal, genitourinary, and special procedures with contrast will be introduced under the supervision of certified Radiologic Technologists.

RAD700C Clock Hours 300 | Quarter Credits 10

Clinical Practicum III

This course is a practical application of the concurrent theoretical learning. Competency based assignments in thorax, abdomen, extremities, vertebral column, cranium, facial bones, sinuses, gastrointestinal, genitourinary, and special procedures with contrast will continue and competency-based assignments for mobile radiography, surgical and interventional procedures done under the supervision of certified Radiologic Technologists.

RAD800C Clock Hours 300 | Quarter Credits 10

Clinical Practicum IV

This course is a practical application of all theoretical learning. Competency based assignments in thorax, abdomen, extremities, vertebral column, cranium, facial bones, sinuses, gastrointestinal, genitourinary and special procedures with contrast, mobile radiography, surgical and interventional procedures will continue under the supervision of certified Radiologic Technologists.

RAD900C Clock Hours 300 | Quarter Credits 10

Clinical Practicum V

This course is a practical application of all theoretical learning. Competency-based assignments in thorax, abdomen, extremities, vertebral column, cranium, facial bones, sinuses, gastrointestinal, genitourinary and special procedures with contrast, mobile radiography, surgical and interventional procedures will continue as well as clinical assignments for observing Computed Tomography (CT) under the supervision of certified Radiologic Technologists.

RAD1000C Clock Hours 360 | Quarter Credits 12

Clinical Practicum VI

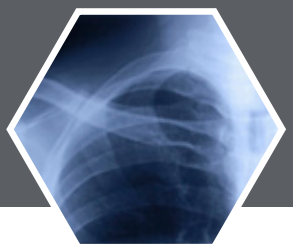
This course is a practical application of all theoretical learning. Competency-based assignments in thorax, abdomen, extremities, vertebral column, cranium, facial bones, sinuses, gastrointestinal, genitourinary, and special procedures with contrast, mobile radiography, surgical and interventional procedures will continue as well as clinical assignments for observing Computed Tomography (CT) and Magnetic Resonance Imaging (MRI), under the supervision of certified Radiologic Technologists. Clinical rotation for observing additional imaging modalities will be assigned. Additional imaging modalities will include ultrasound, mammography, radiation therapy, and nuclear medicine.

PROGRAM TOTAL: **2660** Clock Hours
130 Quarter Credits

> I was always interested in solar radiation, solar panels, but I actually like to work with patients and do patient care. So, instead of just working with technology, we combined both and we got a rad tech right here.

- LEONCIO S. 2018

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.

The Radiography (Associate of Occupational Science) program at the Ontario, Los Angeles, and Orange County campuses are approved by the California Department of Public Health, Radiologic Health Branch (CDPH-RHB). CDPH-RHB: 1500 Capitol Avenue, 5th Floor, MS 7610, Sacramento, CA 95814-5006 / Phone: (916) 327-5106 / Fax: (916) 440-7999 / www.cdph.ca.gov

Student Outcome Information

Accrediting Bureau of Health Education Schools (ABHES)
Los Angeles, Orange County, Ontario: https://americancareercollege.edu/legal/abhes

California Bureau for Private Postsecondary Education (BPPE)
Los Angeles: https://americancareercollege.edu/uploads/School-Performance-Fact-Sheets-Los-Angeles-Campus-1.pdf
Orange County: https://americancareercollege.edu/uploads/School-Performance-Fact-Sheets-Orange-County-Campus.pdf
Ontario: https://americancareercollege.edu/uploads/School-Performance-Fact-Sheets-Ontario-Campus.pdf

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

***New Program** This is a new program that has yet to have a graduate or students available for employment. 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

Los Angeles, Orange County, and Ontario campuses

Duration

Approximately 25 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 program.

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.

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