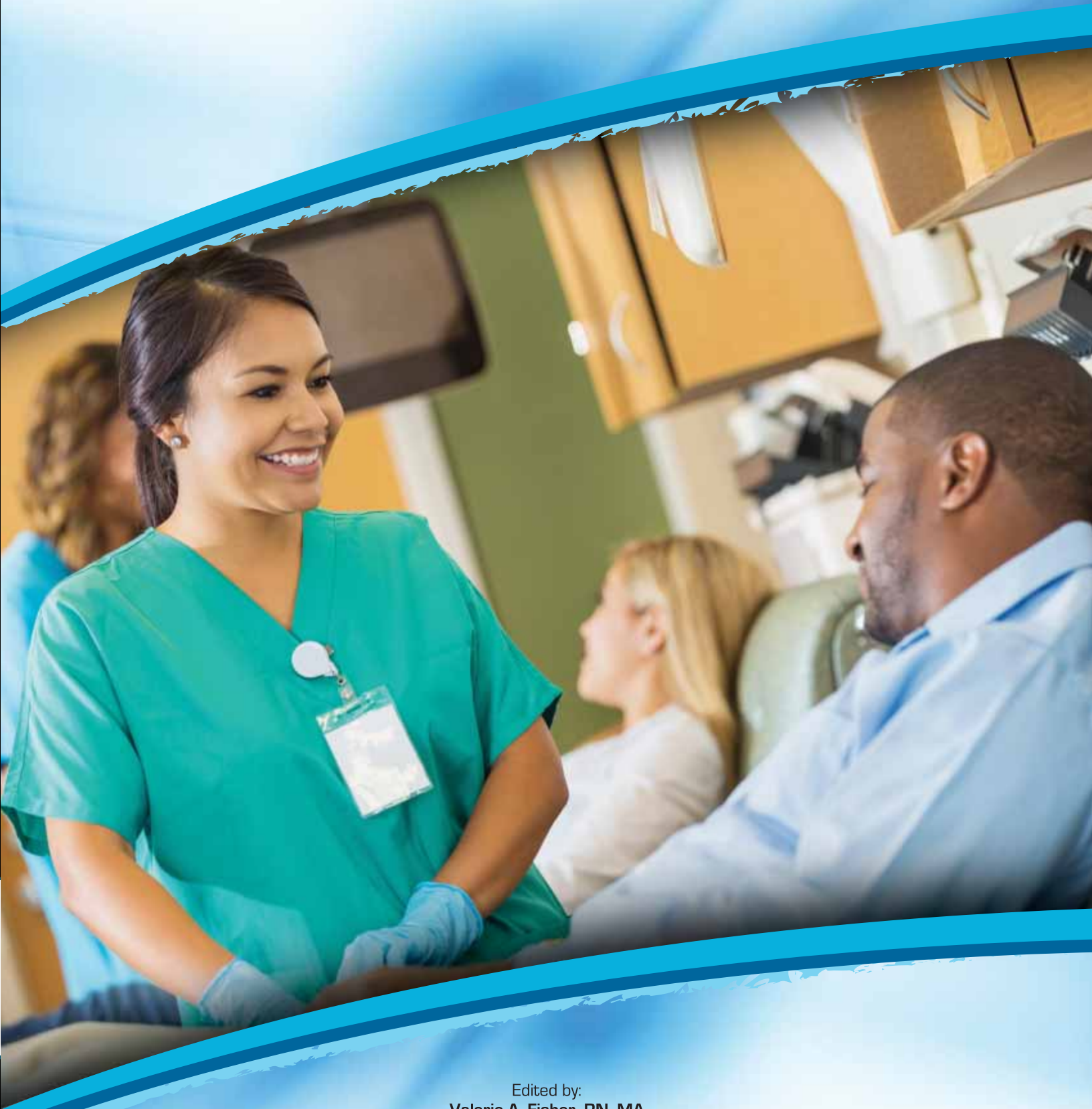


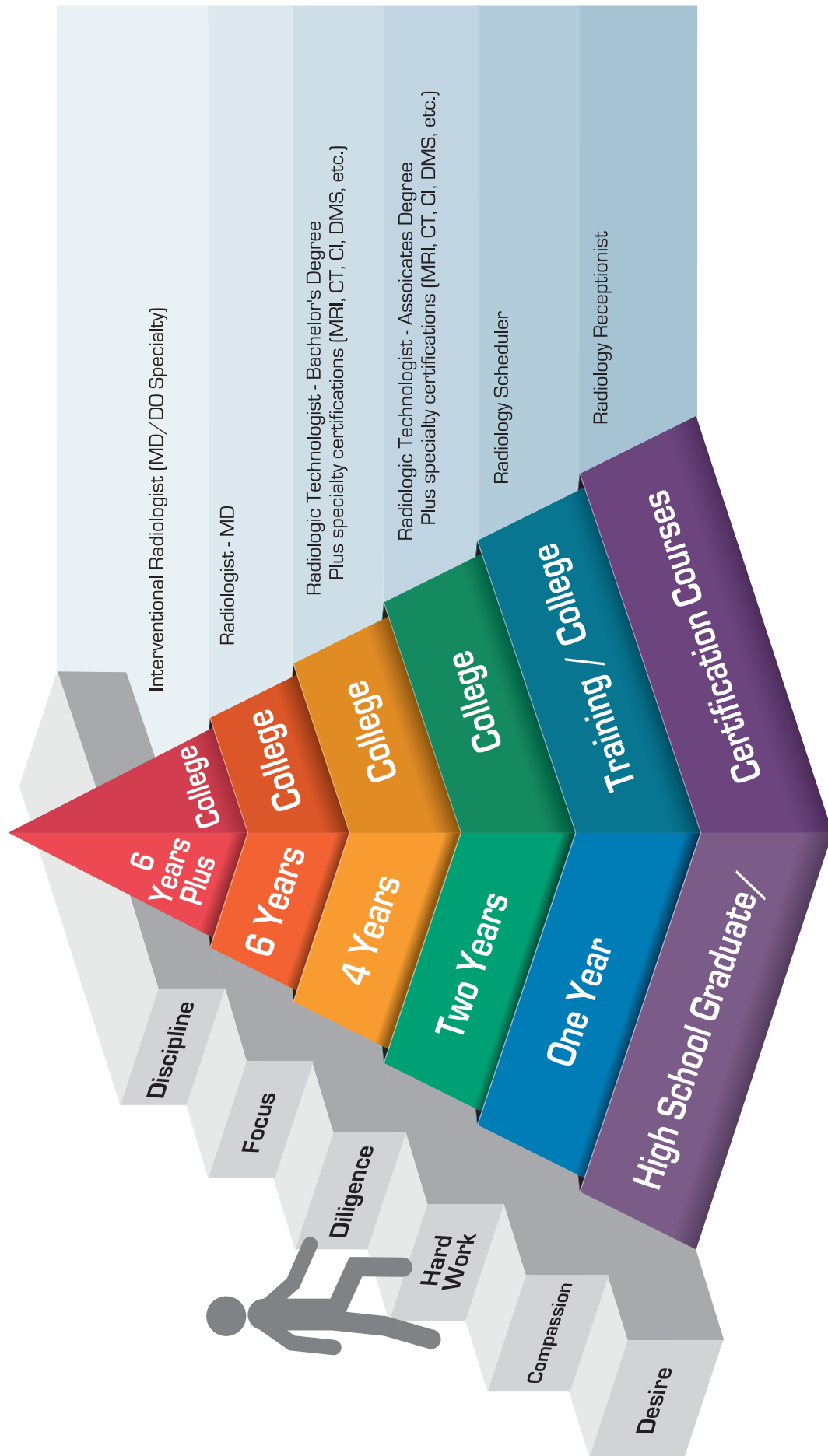
Exploring Health Careers: What Do You Want To Be?



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Radiology Services Career Pathways



Radiology Receptionist

Job Description: Receptionists perform administrative tasks, such as answering phones, receiving visitors, processing paperwork and physician's orders, as well as providing general information about their radiologic examination and any preparatory instructions.

Educational Requirements: Receptionists need a high school diploma and good communication skills in concert with computer literacy. Bi-lingual skills are preferred. A course in medical terminology is helpful in securing employment.

Salary Range: \$27,000 to \$30,000* per year



For Additional Information:

QR Code:

<https://www.bls.gov/ooh/office-and-administrative-support/receptionists.htm>

Video Link:

<https://www.youtube.com/watch?v=wuB-B2lIt88>

Radiology Scheduler

Job Description: Radiology Schedulers perform secretarial duties within the Radiology department using specific knowledge of medical terminology and radiologic procedures. Duties may include: scheduling appointments, procuring insurance information, and compiling and recording medical charts.

Educational Requirements: High school graduates can take courses in word processing and office procedures at community colleges or adult schools. Radiology Schedulers need to learn industry-specific terminology and practices by attending courses offered at community colleges or other educational institution. Courses in medical terminology and medical assisting are beneficial.

Salary Range: \$33,000 to \$37,000* per year



For Additional Information:

QR Code:

<https://www.bls.gov/oes/current/oes436013.htm>

Video Link:

<https://www.youtube.com/watch?v=MZgpQodB6Rc>

Radiologic Technologist

Job Description: Radiologic technologists use radiation to create images used to diagnose medical conditions in patients. Working from doctors' orders, they use x-rays, fluoroscopes and other techniques to make pictures. They position patients for each procedure and calculate the appropriate exposure for the x-ray including duration, distance from the patient and strength of the x-ray. During the x-ray process, they monitor patient condition and reactions. Radiologic technologists also make sure that all equipment is ready and working correctly and that supplies are available.

Educational Requirements: Prior to admission to become radiologic technologist prerequisite courses in anatomy, physiology, chemistry and physics, along with general education college courses, are required at a community college or private trade school. Most programs in California are two-years leading to an associate degree in Radiologic Technology. However, a Bachelor's of Science degree in Radiologic Sciences is available at California State University, Northridge.

Continued on next page

A Radiologic Technologist must be licensed as a Certified Radiologic Technologist (CRT) by the California Department of Public Health-Radiation Health Branch and be certified by the American Registry of Radiologic Technologists (ARRT). To sit for these examinations the applicant must have completed a Radiologic Technology program that is accredited by the Joint Review Committee on Education in Radiologic Technology.

The student must complete a minimum of 1,850 hours of clinical education in California beyond the didactic educational component to be eligible to sit for the ARRT and receive the ARRT certification, allowing the successful student to apply for a license to practice in the state. The applicant must be licensed as a Certified Radiologic Technologist by the California Department of Health Services.

Salary Range: \$57,000 to \$75,000* per year



For Additional Information:

QR Code:

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

Video Link:

https://www.youtube.com/watch?v=OvnJj_nlvzU

Radiology Specialty Certifications*

Once you have become a Radiology Technologist and have gained some experience, there are a variety of specialty certifications to consider: computed tomography (CT), magnetic resonance imaging (MRI), ultrasound (DMS), and positron emission tomography (PET) all of which are used to see within the human body in order to diagnose disease and abnormalities. There are also digital and computer radiography (DR, CR) systems, digital vascular imaging devices, and mammography. Each one of these specialties have very specific training requirements and exam-based certifications by national organizations. CSU Northridge offers the most advanced imaging educational certifications in the state.



For Additional Information:

QR Code:

<http://www.csun.edu/health-human-development/health-sciences/certificate-programs-radiologic-sciences>

Video Link: <https://www.youtube.com/watch?v=8-P6U9RAtMA>

Here are the four specialty certifications offered at CSU Northridge and brief descriptions:

Magnetic Resonance Imaging Technician (MRI) Specialty*

Job Description: MRI is a medical imaging technique used in radiology to form pictures of the anatomy and the physiological processes of the body in both health and disease. MRI scanners use strong magnetic fields, radio waves, and field gradients to generate images of the organs in the body. MRI technologists develop a working knowledge of the equipment, including how the patient should be positioned in order to get the best diagnostic images. They operate MRI machines to create images that doctors will use to diagnose illness and injury.



For Additional Information:

QR Code:

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

Video Link:

<https://www.youtube.com/watch?v=aQZ8tZnQ8A>

Computerized Tomography (CT) Specialty*

Job Description: Computerized tomography technicians are specialized radiology technicians who employ ionizing radiation to take cross-sectional x-rays of a part of the body. These sections are combined to produce a 3D image for diagnostic purposes.



For Additional Information:

QR Code:
<https://www.bls.gov/ooh/healthcare/radiologic-technologists.htm>
Video Link:
<https://www.youtube.com/watch?v=SuW5he7Jvtg>

Mammography Specialty*

Job Description: Mammography is a type of imaging that uses a low-dose X-ray system to take images that aid in the early detection and diagnosis of breast diseases in women. A mammography tech operates x-ray equipment to perform various mammography related procedures. Positions patients for examination, evaluates the films for clarity, explains procedures and educates women about the role of regular mammography in preventive breast health.



For Additional Information:

QR Code:
<http://portals.clevelandclinic.org/healthscienceseducation/ExploreCareer/CareerOptions/MammographyTechnologist/tabid/7194/Default.aspx>
Video Link: <https://www.youtube.com/watch?v=B4k7YDXzQao>

Cardiovascular Imaging (CI) Specialty*

Job Description: Cardiovascular technologies are both invasive, such as cardiac catheterization, and noninvasive, such as ultrasound technology. Cardiovascular technologists work with physicians to prepare patients for heart tests and treatments using these technologies. CI technologists are typically responsible for: explaining procedures to the patients; monitoring patients' health during the procedure and assisting the physician as needed.



For Additional Information:

QR Code: <https://www.bls.gov/ooh/healthcare/diagnostic-medical-sonographers.htm>
Video Link: Ultrasound - https://www.youtube.com/watch?v=-_MfJRbnlY
Video Link: Interventional - <https://www.youtube.com/watch?v=cOmSMS3GW7I>

There are 2 other specialties we should note:

Diagnostic Medical Sonography/Ultrasound (DMS) Specialty*

Job Description: Diagnostic medical sonography utilizes high frequency sound waves to produce dynamic visual images of organs, tissues, or blood flow inside the body. These images aid physicians in their diagnosis and care of the patient.



For Additional Information:

QR Code:
<https://www.bls.gov/ooh/healthcare/diagnostic-medical-sonographers.htm>
Video Link: https://www.youtube.com/watch?v=27aD_oSrQTE&list=PLirgxJFbtSmI2Ak2p3HhK7q2vsq1uyFRB&index=49

Positron Emission Tomography (PET) Specialty*

Job Description: A PET tech will give radioactive drugs and monitor patient utilizing machines to evaluate their reaction internally. PET is a technique used in nuclear medicine for displaying a three-dimensional image of processes that occur in the body. This technique involves detection of gamma rays which are transmitted into the body. The rays are then detected with special equipment and methods such as a positron releasing radionuclide tracer.



For Additional Information:

QR Code:

<https://www.bls.gov/ooh/healthcare/nuclear-medicine-technologists.htm>

Video Link:

<https://www.youtube.com/watch?v=AJcIJK8K5M>

* Once you are in the field of Radiology you will have to research each of these specialty options and advanced educational opportunities to determine training requirements.

Radiologist (MD)

Job Description: Radiologists are medical doctors (MDs) or doctors of osteopathic medicine (DOs) who specialize in diagnosing and treating diseases and injuries using medical imaging techniques, such as x-rays, computed tomography (CT), magnetic resonance imaging (MRI), nuclear medicine, positron emission tomography (PET) and ultrasound. Radiologist physicians are usually board certified by the American Board of Radiology (for a doctor of medicine) or the American Osteopathic Board of Radiology (for an osteopathic doctor); an indication of a high level of training, and demonstrated excellence in the field.

Educational Requirements: Education is extensive and includes completion of a bachelor's degree program, medical school, and a residency. After graduating from medical school, an aspiring radiologist must complete additional years of a radiology residency, which is a combination of specialty medical education and paid on-the-job training. These physicians may also complete a fellowship of one to two additional years of specialized training in a particular subspecialty of radiology, such as breast imaging, cardiovascular radiology or nuclear medicine.

Salary Range: \$372,913 to \$437,207 per year



For Additional Information:

QR Code:

www.onetonline.org/link/summary/29-1069.10

Video Link:

<https://www.youtube.com/watch?v=k0rWScAt32w>

Interventional Radiologist (MD/DO Specialty)

Job Description: Interventional radiology is a medical sub-specialty of radiology utilizing minimally-invasive image-guided procedures to diagnose and treat diseases in nearly every organ system. The concept behind interventional radiology is to diagnose and treat patients using the least invasive techniques currently available in order to minimize risk to the patient and improve health outcomes.

Educational Requirements: Interventional radiologists are medical doctors with additional six or seven years of specialized training after medical school. They have also completed a one or two-year fellowship program after their diagnostic radiology residency. They are certified by the American Board of Radiology (ABR).

Salary Range: \$469,800 to \$513,000 per year



For Additional Information:

QR Code:

<https://www.sirweb.org/patient-center/>

Video Link:

<https://www.youtube.com/watch?v=C82UiDhJdtU>



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<https://ca-hwi.org/>



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