**Radiographer Recruitment**

A radiographer produces radiography of patients with the help of X-ray to find the exact medical condition of the patient. In addition with X-ray, a radiographer also considers CT scans, ultrasounds and MRI for producing radiography.

Radiology field is broadly divided into two areas namely diagnostic radiology and interventional radiology.

Diagnostic Radiology is the specialization of medicine that uses the images of X-Ray and other imaging techniques to diagnose the disease and injury of patient.

Interventional Radiology is the another medical specialty that also uses imaging techniques (X-ray, CT, MRI and ultrasound) for direction. Patients can be treated and diagnosed using minimally invasive procedures.

**Scope**

The need of educated and professional radiology technologists in hospitals, clinics, and physicians’ offices are increasing continuously. The field of radiography will be continued to show higher than average job growth into the future. After completing your degree in this field you will become Radiologist (MD), Radiology Technologists/ Radiographer, Radiology Technicians, Ultrasound Technician/ Diagnostic Medical Sonographer, MRI Technician, CT Tech/ CAT Scan Technologist/ CT Scan Technologist.

### Techniques Used in Radiology

To determine or discover the diseases within the human body, a radiologists uses a variety of imaging techniques that include X-ray radiography, ultrasound, Computed Tomography (CT), Nuclear medicine such as Positron Emission Tomography (PET) and MRI (Magnetic Resonance Imaging) to diagnose and treat the diseases.

## Courses & Duration

You can pursue diploma courses, bachelor’s course, master’s course and certification courses in the field of radiology. You can apply for UG courses [after completing 12th](https://www.sarvgyan.com/courses-after-12th). The courses offered in radiology are mentioned below:

**Certificate Courses:**

* Certificate in Radiography
* Certificate in Radiology Assistant
* Certificate in Radiography Diagnostic

**Diploma Courses – 2 years**

* Diploma in Radiography and Radiotherapy
* Diploma in Radio-diagnostic Technology

**Bachelor’s Courses – 3 years**

* [B.Sc](https://www.sarvgyan.com/courses/science/bachelor-of-science) in Radiography
* B.Sc (Hons.) in Medical Radiotherapy Technology

**Master’s Courses – 2 years**

* Post Graduate Diploma in Radiotherapy Technology
* Post Graduate Diploma in Radio-diagnosis and Imaging Sciences
* Post Graduate Diploma in X-ray Radiography and Ultra-sonography

## How to become a Radiologists?

* Career of radiologists begins with earning a bachelor’s degree. After graduating from medical school, you are awarded with the degree of M.O. (or D.O.). Now, you can apply for the medical license and will be considered as a physician.
* Now, a physician must have completed four years of a radiology residency to become a radiologists.
* State license is very important for radiologists. The license will be provided after the two-part examination covering medicine, anatomy, imaging modalities and physics.

**Radiology can be done in the following specializations:**

* Breast-imaging specialist
* Diagnostic radiology
* Genitourinary radiology
* Cardiovascular radiologist
* Emergency radiology
* Radiation oncology
* Gastrointestinal radiology
* Nuclear radiology
* Neuro-radiology
* Pediatric radiology

**A good radiologists must be skilled in the following areas:**

* A complete understanding of medical and human anatomy that relates human health.
* Strong technical skills is required as they have to work on computer.
* Excellent vision and analytical skills are required.
* One must have interest and solid background in Biology, Physiology and Anatomy.

## Salary

How much does a radiologist make?

A radiologist will get the salary depending upon their job titles. The average pay of a radiologist is $ 79,037 per year. In India, an average salary of Rs 545,630 per year has been paid to the Physician / Doctor, Radiologist.

A physician/Doctor/Radiologists need not to think about salary, their salary is good as compared to other professions.

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