

(138-MED-30-02) B.SC. - RADIO IMAGING TECHNOLOGY

Significance of Program

BSc Radiology & Imaging Technology program focuses on training in treating disease with the aid of image-based techniques including ultrasound, X-ray, computed tomography, MRI, positron emission tomography,

Career Options

In general, after pursuing a degree in this field you can become Radiologist (MD), Radiology Technologists/ Radiographer, Radiology Technicians, Ultrasound Technician/ Diagnostic Medical Sonographer, MRI Technician, CT Tech/ CAT Scan Technologist/ CT Scan Technologist. /MRI/MAMMOGRAPHY

Program Objectives

The course is aimed to teach students about radio imaging techniques, as well as traditional and modern radiographic equipment, and how to conduct an ethical diagnostic procedure.

Outcomes of the Program

The Candidates can join Private, Military and public health services PO3 In industry, Imaging technologists are needed for Application and Software development for Medical Imaging equipment. PO4 Those who choose this stream are going to study about Radiological & Imaging Technology such as MRI, CT scan, USG

Major Course Outline

General Physics,

Radiation Physics & Physics of Diagnostic Radiology.

Xray Film / Image processing Techniques including Dark Room Techniques.

Modern Imaging Techniques and Recent Trends in Imaging.

CT Imaging and Contrast Technique.

Radiographic Positioning.

| CORE | Electives | Skill Course |
|---|--------------------------------------|-----------------|
| Radiation Physics & Physics of Diagnostic Radiology Modern Imaging Techniques and Recent Trends in Imaging | General Physics RELATED TO RADIATION | Basic computers |