

Licentiate in Bio-image production University Radiology Technician

Objectives

To provide students with training that will ensure they acquire the necessary knowledge, aptitudes and skills to:

Develop a global vision of the field of bio-images enlarging the knowledge of the disciplinary support so as to build a referential frame capable of embracing the following learning processes corresponding to each different stage.

Provide training in the production of radiological bio-images and of bio-images for medical assistance in order to meet the demand of specialization which derives from scientific and technologic advances and in the intervention of health programs together with the area of medical sciences.

Contents

The course is made up of two successive stages which build upon each other: Radiologic Technician and Licentiate in bio-image production.

Once the first stage – basic sciences and professional- is finished the degree of University Technician in Radiology is granted.

When the second stage – professional oriented- students get the degree of Licentiate in Bio-image Production.

Students can also enroll in the Technicature, in which case it is necessary to pass three subjects corresponding to the Common Basic Cycle (Introduction to Scientific Thinking, Introduction to Knowledge of Society and State, and Chemistry). Those students who wish to enroll in the Licentiate course have to pass the corresponding six subjects from the Common Basic Cycle.

The second stage meets the need to increase the number of training hours for an in-depth study of the contents corresponding to Techniques for computerized and x-ray images; Digital methods and Image processing; Radioisotope Techniques; Research Methodology; Biostatistics and Hospital Administration.

Job opportunities:

Graduates will be qualified to:

Hold the position of technical head in both public and private services of image diagnosis

Carry out high complexity testing in state or private centers according to prescription and/or in dental centers to obtain images and records for medical diagnosis

Research and develop new techniques for image diagnosis. Advice in the design and planning of image diagnosis services

Evaluate and consider the quality of images and records resulting from the application of both conventional and high complexity methods, techniques and processing.

Process and order the sensitive material used in the conventional and high complexity areas in the image service

Control the operational conditions of conventional and high complexity equipment in image services

Select and control the necessary supplies and their technical specifications, and the operational conditions of conventional and high complexity equipment in image services

Supervise the correct use of specific equipment, the transitory and/or definite disposition of risky material and the time of exposure to which patients and technical staff are subjected.

Cooperate in the implementation of radioprotection and bio-security criteria for the occupational and non-

occupational population.

Provide, under prescription and supervision of specialists, the transitory care which emerges from situations derived from the application of methods and procedures of high intensity.