



Program of Study: Certificate of Completion in Mammography

Program Description

The certificate of completion in Mammography is designed to provide licensed radiologic technologists with a cognitive base of entry-level education in the practice of mammography. The professional practice of mammography requires specific knowledge and skills generally not obtained in basic educational programs in radiography. This core curriculum presents elements that are considered essential in educating technologists in the postprimary practice of mammography and aid in meeting the eligibility requirements for a postprimary certification examination in mammography.

Admission Requirements

The student must be registered in Radiography by the American Registry of Radiologic Technologists (ARRT).

Course Number	Course Title	Course Description	Credits
MDI 312	Breast Anatomy, Physiology and Pathology	Content establishes a knowledge base in breast anatomy and physiology. Correlation between breast anatomical structures and mammographic anatomic structure are described and discussed. Introduces the concepts of breast viability and pathology, presents benign and cancerous pathology, including their mammographic appearance.	3
MDI 314	Mammography Facility and Equipment Management	Content provides students with an overview of the mammography facility and its personnel. It provides a foundation for the types of patient services offered and the regulations that affect the operation of a facility or service. Content also gives the student a foundation of the concepts of mammography equipment. The types and function of mammographic and quality control equipment, along with the mandated requirements governing their use, are described and discussed. Prerequisite: Enrollment in the BS in Radiologic Science or Certificate in Mammography Program	3
MDI 316	Mammography Procedure Protocols	Content establishes a knowledge base in the type and application of interventional procedures involving mammography. Provides a knowledge base of the various positions and projections used in mammography. Content includes discussions on clinical data needed to perform the exam and positioning techniques for screening and diagnostic mammography. This course also develops an understanding of basic principles of sonomammography. Where applicable, ultrasonographic examinations that complement breast imaging are discussed. Includes patient care and adaptive positioning. Prerequisite: Enrollment in the BS in Radiologic Science or Certificate in Mammography Program	3

MDI 318	Quality Management in Mammography	Content establishes a knowledge base of factors that govern and influence producing and recording mammographic images. Content establishes a protocol for quality assurance and quality control that incorporates all operations and functions of a mammography facility or service. The interrelatedness of accreditation and service delivery standards are demonstrated and discussed. Prerequisite: Enrollment in the BS in Radiologic Science or Certificate in Mammography Program	3
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Total Certificate of Completion in Mammography Credits: 12