

Coastal Bend College
Radiologic Technology Program
Course Descriptions

Semester I

RADR 1309 – Introduction to Radiography and Patient Care

An overview of the historical development of radiography, basic radiation protection, an introduction to medical terminology, ethical and legal issues for health care professionals, and an orientation to the profession and the health care system.

RADR 1311 - Basic Radiographic Procedures

An introduction to radiographic positioning terminology, manipulation of equipment, positioning and alignment of the anatomic structure and equipment, and evaluation of images for demonstration of basic anatomy.

RADR 2309 - Radiographic Imaging Equipment

Equipment and physics of x-ray production. Includes basic x-ray circuits. Also examines the relationship of conventional and digital equipment components to the imaging process.

RADR 1260 - Clinical – Medical Radiographic Terminology I

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Semester II

RADR 2401 - Intermediate Radiographic Procedures

A continuation of the study of the manipulation of radiographic equipment, positioning and alignment of the anatomic structure and equipment, and evaluation of images for demonstration of anatomy.

RADR 1213 - Principles of Radiographic Imaging I

Radiographic image quality and the effects of exposure variables.

RADR 1261 - Clinical – Medical Radiographic Terminology II

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Semester III

RADR 2331 - Advanced Radiographic Procedures

Positioning and alignment of anatomic structures and equipment, evaluation of images for demonstration of anatomy and related pathology.

RADR 1262 - Clinical – Medical Radiographic Terminology III

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

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Semester IV

RADR 2217 - Radiographic Pathology

Disease processes and their appearance on radiographic images.

RADR 2305 - Principles of Radiographic Imaging II

Radiographic image quality and the effects of exposure variables, and the synthesis of all variables in image production.

RADR 2261 - Clinical – Medical Radiographic Terminology IV

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Semester V

RADR 2333 - Advanced Medical Imaging

An exploration of specialized imaging modalities.

RADR 2313 - Radiation Biology and Protection

Effects of radiation exposure on biological systems. Includes typical medical exposure levels, methods for measuring and monitoring radiation, and methods for protecting personnel and patients from excessive exposure.

RADR 2235 - RADIOLOGIC SEMINAR (CAPSTONE)

A capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning.

RADR 2262 - Clinical - Medical Radiographic Technology V

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.