



Course Outcome Summary

Required Program Core Course

RAD 100 – Introduction to Rad. Tech

Course Information

Division	Health Sciences
Contact Hours	3
Theory	45
Lab Hours	0
Total Credits	3

Prerequisites Acceptance into the Radiography Program

Co-requisites RAD 110 – Radiation Physics
RAD 113 – Radiation Biology
BIOL 258 – Anatomy & Physiology II

Course Description

This course serves as an introduction to the Radiologic Technology Profession. Subject areas studied are the development of the practice of radiology, medical relationships and ethics, use of basic x-ray equipment and accessories, prime exposure factors, and digital image processing. Practice in the fundamentals of equipment operation and image processing via VR coursework will provide the basis for developing initial psychomotor skills necessary to function as a radiographer.

This course is a required core course for students pursuing an Associate of Applied Science - Radiography

Program Outcomes Addressed by this Course:

The successful completion of this course will assist students towards meeting the following program outcomes:

- demonstrate the knowledge and skills necessary for competency as an entry-level Radiologic Technologist/Radiographer by operating and manipulating radiographic equipment to produce high-quality images and by practicing safe patient care for a diverse population.
- communicate effectively and professionally with peers, interprofessional teams, and diverse patient populations.
- demonstrate the values, attitudes, and behaviors necessary of an entry-level Radiologic Technologist/Radiographer.

Course Outcomes

In order to evidence success in this course, the students will be able to:

- demonstrate the principles of safe and appropriate patient basic care, including obtaining vital signs and patient history, adherence to infection control standards, immobilization and transfer techniques, effective communication, and care of basic medical equipment.
Applies to Program Outcomes A & C
- present a professional radiological journal summary related to course concepts.
Applies to Program Outcomes A & C
- match given radiographs with the settings and conditions used to obtain them.
Applies to Program Outcome A
- describe ethical considerations related to the field of radiography, as it pertains to radiographers.
Applies to Program Outcome D



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COMMUNITY COLLEGE

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5. manipulate basic radiographic equipment and environments using knowledge of basic radiographic principles to prepare for the production of high-quality imaging while adhering to principles of safety.
Applies to Program Outcome A

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