
COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

IMAGE PRODUCTION I

RAD-121 **Image Production I** **3 (2-3)** **Spring**

Prerequisites: RAD-110^L, RAD-111^L, RAD-151^L

Corequisites: RAD-112^L, RAD-161^L

This course provides the basic principles of radiographic image production. Emphasis is placed on image production, x-ray equipment, receptor exposure, and basic imaging quality factors. Upon completion, students should be able to demonstrate an understanding of basic principles of radiographic image production. (2022 SU)

IMAGE PRODUCTION II

RAD-122 **Image Production II** **2 (1-3)** **Summer**

Prerequisites: RAD-112^L, RAD-121^L, RAD-161^L

Corequisites: RAD-141^L, RAD-171^L

This course is designed to continue to develop the concepts and principles in the field of radiologic technology. Emphasis is placed on advanced digital principles and production. Upon completion, students should be able to demonstrate an understanding of advanced principles of digital imaging production. (2022 SU)

IMAGE PRODUCTION III

RAD-231 **Image Production III** **2 (1-3)** **Fall**

Prerequisites: RAD-122^L, RAD-141^L, RAD-171^L

Corequisites: RAD-211^L, RAD-251^L

This course is designed to continue to develop the concepts and principles in the field of radiologic technology. Emphasis is placed on complex imaging production and principles, quality control and quality assurance in the imaging sciences. Upon completion, students should be able to demonstrate an understanding of advanced radiographic equipment and quality control programs. (2022 SU)

RAD CLINICAL ED I

RAD-151 **RAD Clinical Ed I** **2 (0-0-6)** **Fall**

Prerequisites:

Corequisites: RAD-110^L, RAD-111^L

This course introduces patient management and basic radiographic procedures in the clinical setting. Emphasis is placed on mastering positioning of the chest and extremities, manipulating equipment, and applying principles of ALARA. Upon completion, students should be able to demonstrate successful completion of clinical objectives. (2022 SU)

RAD CLINICAL ED II

RAD-161 **RAD Clinical Ed II** **5** **Spring**
(0-0-15)

Prerequisites: RAD-110^L, RAD-111^L, RAD-151^L

Corequisites: RAD-112^L, RAD-121^L

This course provides additional experience in patient management and in more complex radiographic procedures. Emphasis is placed on mastering positioning of the spine, pelvis, head and neck, and thorax and adapting procedures to meet patient variations. Upon completion, students should be able to demonstrate successful completion of clinical objectives. (2022 SU)

RAD CLINICAL ED III

RAD-171 **RAD Clinical Ed III** **3 (0-0-9) Summer**

Prerequisites: RAD-112^L, RAD-121^L, RAD-161^L

Corequisites: RAD-122^L, RAD-141^L

This course provides experience in patient management specific to advanced radiographic procedures. Emphasis is placed on applying appropriate technical factors to all studies and transitioning to mastering positioning of advanced studies. Upon completion, students should be able to demonstrate successful completion of clinical objectives. (2022 SU)

RAD CLINICAL ED IV

RAD-251 **RAD Clinical Ed IV** **7** **Fall**
(0-0-21)

Prerequisites: RAD-122^L, RAD-141^L, RAD-171^L

Corequisites: RAD-211^L, RAD-231^L

This course provides the opportunity to continue mastering all basic radiographic procedures and to attain experience in advanced areas. Emphasis is placed on equipment operation, pathological recognition, pediatric and geriatric variations, and further awareness of radiation protection requirements. Upon completion, students should be able to demonstrate successful completion of clinical objectives. (2022 SU)

RAD CLINICAL ED V

RAD-261 **RAD Clinical Ed V** **7** **Spring**
(0-0-21)

Prerequisites: RAD-211^L, RAD-231^L, RAD-251^L

Corequisites: RAD-271^L

This course is designed to enhance expertise in all radiographic procedures, patient management, radiation protection, and image production and evaluation. Emphasis is placed on developing an autonomous approach to the diversity of clinical situations and successfully adapting to those procedures. Upon completion, students should be able to demonstrate successful completion of clinical objectives. (2022 SU)

RAD PROCEDURES I

RAD-111 **RAD Procedures I** **4 (3-3)** **Fall**

Prerequisites:

Corequisites: RAD-110^L, RAD-151^L

This course provides the knowledge and skills necessary to perform standard radiographic procedures. Emphasis is placed on radiography of the chest, abdomen, extremities, bony thorax and pelvis. Upon completion, students should be able to demonstrate competence in these areas. (2017 FA)

RAD PROCEDURES II

RAD-112 **RAD Procedures II** **4 (3-3)** **Spring**

Prerequisites: RAD-110^L, RAD-111^L, RAD-151^L

Corequisites: RAD-121^L, RAD-161^L

This course provides the knowledge and skills necessary to perform standard radiographic procedures. Emphasis is placed on radiography of the skull, spine, and gastrointestinal, biliary, and urinary systems. Upon completion, students should be able to demonstrate competence in these areas. (2022 SU)

RAD PROCEDURES III

RAD-211 **RAD Procedures III** **3 (2-3)** **Fall**

Prerequisites: RAD-122^L, RAD-141^L, RAD-171^L

Corequisites: RAD-231^L, RAD-251^L

This course provides the knowledge and skills necessary to perform standard and specialty radiographic procedures. Emphasis is placed on radiographic specialty procedures, advanced imaging, radiographic pathology and image analysis. Upon completion, students should be able to demonstrate an understanding of these areas. (2022 SU)

RAD INTRO & PATIENT CARE

RAD-110 **Rad Intro & Patient Care** **3 (2-3)** **Fall**

Prerequisites:

Corequisites: RAD-111^L, RAD-151^L

This course provides an overview of the radiography profession and student responsibilities. Emphasis is placed on basic principles of patient care, radiation protection, technical factors, and medical terminology. Upon completion, students should be able to demonstrate basic skills in these areas. (2022 SU)

