

Course Descriptions

■ R-TV 99 — Radio/TV Special Projects **2 Units**
Degree Applicable

36 hours lecture

Prerequisite: Completion of six R-TV course units

Students earn credit via a broadcasting or film course of study customized for the student. Instructor authorization is needed prior to enrollment.

■ R-TV 100 — Work Experience in Film and Television 1 to 3 Units
Degree Applicable

(May be taken for option of letter grade or Pass/No Pass)

75 to 225 hours lab

Prerequisite: Completion of 12 units of R-TV courses from among the following: R-TV 1, 14, 18, 19A, 19B, 20, 21, 22, 23, taken at Mt. San Antonio College. Compliance with work experience regulations as designated in the college catalog.

Provides students with on-the-job experience in the film or TV industry, related to classroom instruction, at an approved work site. A minimum of 60 unpaid or 75 paid hours of supervised work is required for each unit of credit.

■ R-TV 101 — Work Experience in Broadcast Entertainment **1 to 2 Units**
Degree Applicable

(May be taken for Pass/No Pass only)

75 to 150 hours lab

Prerequisite: Completion of RTV 01, RTV 97A, RTV 97B and any three other RTV units, taken at Mt. San Antonio College. Compliance with Work Experience regulations as designated in the College Catalog.

On-the-job experience at an approved work site in the Broadcast or Entertainment industries. A minimum of 60 unpaid or 75 paid hours of supervised work is required for each credit.

RADIOLOGIC TECHNOLOGY
■ RAD 1A — Clinical Experience 1A **5 Units**
Degree Applicable, CSU

(May be taken for Pass/No Pass only)

256 hours lab

*Prerequisite: ANAT 10A and ANAT 10B and RAD 50 and RAD 91**Corequisite: RAD 61A and RAD 61B and RAD 61C*

Clinical experience in the radiology department of affiliated hospitals under the supervision of a licensed radiologic technologist. Emphasis on upper and lower limbs, shoulder girdle, pelvis, chest, and abdomen. Health physical, background check, drug test, and CPR certification is required. Intended for students enrolled in Radiologic Technology Program. Designed to meet The Joint Review Committee on Education in Radiologic Technology (JRCERT) accreditation standards.

■ RAD 1B — Clinical Experience 1B **3 Units**
Degree Applicable, CSU

(May be taken for Pass/No Pass only)

150 hours lab

Prerequisite: RAD 1A

Clinical experience in the radiology department of affiliated hospitals under the supervision of a licensed radiologic technologist. Emphasis on upper and lower limbs, shoulder girdle, pelvis, chest, and abdomen. Health physical, background check, drug test, and CPR certification is required. Intended for students enrolled in Radiologic Technology Program. Designed to meet The Joint Review Committee on Education in Radiologic Technology (JRCERT) accreditation standards.

■ RAD 2A — Clinical Experience 2A **5 Units**
Degree Applicable, CSU

(May be taken for Pass/No Pass only)

256 hours lab

*Prerequisite: RAD 1B**Corequisite: RAD 62A, RAD 62B, and RAD 62C*

Clinical experience in the radiology department of affiliated hospitals under the supervision of a licensed radiologic technologist. Emphasis on cervical spine, cross-table trauma cervical spine, thoracic spine, lumbar spine, ribs, paranasal sinuses, esophagus, upper gastrointestinal, small bowel and barium enema. Health physical, background check, drug test, and CPR certification is required. Intended for students enrolled in Radiologic Technology Program. Designed to meet The Joint Review Committee on Education in Radiologic Technology (JRCERT) accreditation standards.

■ RAD 2B — Clinical Experience 2B **3 Units**
Degree Applicable, CSU

(May be taken for Pass/No Pass only)

144 hours lab

Prerequisite: RAD 2A

Clinical experience in the radiology department of affiliated hospitals under the supervision of a licensed radiologic technologist. Emphasis on cervical spine, cross-table trauma cervical spine, thoracic spine, lumbar spine, ribs, paranasal sinuses, esophagus, upper gastrointestinal, small bowel and barium enema. Health physical, background check, drug test, and CPR certification is required. Intended for students enrolled in Radiologic Technology Program. Designed to meet The Joint Review Committee on Education in Radiologic Technology (JRCERT) accreditation standards.

■ RAD 3A — Clinical Experience 3A **7.5 Units**
Degree Applicable, CSU

(May be taken for Pass/No Pass only)

384 hours lab

*Prerequisite: RAD 2B**Corequisite: RAD 63*

Clinical experience in the radiology department of affiliated hospitals under the supervision of a licensed radiologic technologist. Emphasis on special and elective procedures. Health physical, background check, drug test, and CPR certification is required. Intended for students enrolled in Radiologic Technology Program. Designed to meet The Joint Review Committee on Education in Radiologic Technology (JRCERT) accreditation standards.

■ RAD 3B — Clinical Experience 3B **3 Units**
Degree Applicable, CSU

(May be taken for Pass/No Pass only)

150 hours lab

Prerequisite: RAD 3A

Clinical experience in the radiology department of affiliated hospitals under the supervision of a licensed radiologic technologist. Emphasis on special and elective procedures. Health physical, background check, drug test, and CPR certification is required. Intended for students enrolled in Radiologic Technology Program. Designed to meet The Joint Review Committee on Education in Radiologic Technology (JRCERT) accreditation standards.

■ RAD 3C — Clinical Experience 3C **7.5 Units**
Degree Applicable, CSU

(May be taken for Pass/No Pass only)

384 hours lab

Prerequisite: RAD 3B

Clinical experience in the radiology department of affiliated hospitals under the supervision of a licensed radiologic technologist. Emphasis on special and elective procedures. Health physical, background check, drug test, and CPR certification is required. Intended for students enrolled in Radiologic Technology Program. Designed to meet The Joint Review Committee on Education in Radiologic Technology (JRCERT) accreditation standards.

■ RAD 4 — Clinical Experience 4 **4.5 Units**
Degree Applicable, CSU

(May be taken for Pass/No Pass only)

239 hours lab

Prerequisite: RAD 3C

Clinical experience in the radiology department of affiliated hospitals under the supervision of a licensed radiologic technologist. Emphasis on developing imaging and/or therapeutic technologies. Health physical, background check, drug test, and CPR certification is required. Intended for students enrolled in Radiologic Technology Program.

<p>■ RAD 30 — Radiographic Pathology 1.5 Units Degree Applicable</p> <p>24 hours lecture <i>Corequisite: RAD 3A</i></p> <p>Concepts related to disease and etiological considerations. Emphasis on radiographic appearance of disease and impact on exposure factor selection.</p>	<p>■ RAD 61B — Radiographic Procedures I 3 Units Degree Applicable, CSU</p> <p>54 hours lecture <i>Prerequisite: RAD 50, RAD 91, ANAT 10A, ANAT 10B and MEDI 90</i> <i>Corequisite: RAD 61A, RAD 61C, and RAD 1A</i></p> <p>Knowledge base necessary to perform standard imaging procedures and special studies. Consideration is given to the evaluation of optimal images. Focus on anatomy and positioning of the upper and lower limbs, chest and abdomen. Intended for students enrolled in Radiologic Technology Program.</p>	<p>■ RAD 62C — Radiographic Procedures II Laboratory 1.5 Units Degree Applicable, CSU</p> <p>18 hours lecture 18 hours lab <i>Prerequisite: RAD 61A, RAD 61B and RAD 61C</i> <i>Corequisite: RAD 62A, RAD 62B, RAD 2A</i></p> <p>Practical application of standard imaging procedures and special studies. Consideration is given to the evaluation of optimal images. Focus on anatomy and positioning of the vertebral column, bony thorax, cranium, gastrointestinal (GI) system and genitourinary (GU) system. Intended for students enrolled in Radiologic Technology Program.</p>
<p>■ RAD 31 — Fluoroscopy and Radiobiology 5 Units Degree Applicable</p> <p>90 hours lecture <i>Prerequisite: RAD 62A</i> <i>Corequisite: RAD 3C</i></p> <p>Areas of radiobiology, radiation physics, exposure reduction, fluoroscopy equipment and operation, image evaluation, quality control and patient considerations. Intended for students enrolled in Radiologic Technology Program.</p>	<p>■ RAD 61C — Radiographic Procedures I Laboratory 1.5 Units Degree Applicable, CSU</p> <p>18 hours lecture 18 hours lab <i>Prerequisite: RAD50, RAD 91, ANAT 10A, ANAT 10B, and MEDI 90</i> <i>Corequisite: RAD 61A, RAD 61B and RAD 1A</i></p> <p>Practical application of standard imaging procedures and special studies. Consideration is given to the evaluation of optimal images. Focus on anatomy and positioning of the upper and lower limbs, chest and abdomen. Intended for students enrolled in Radiologic Technology Program.</p>	<p>■ RAD 63 — Theory of Radiologic Technology 4 Units Degree Applicable, CSU</p> <p>72 hours lecture <i>Corequisite: RAD 3A</i></p> <p>Special radiographic studies, advanced modalities, radiation protection, contrast media use and quality assurance processes relative to film-based radiology. Intended for students enrolled in Radiologic Technology Program.</p>
<p>■ RAD 32 — Digital Imaging in Radiology 2 Units Degree Applicable</p> <p>36 hours lecture <i>Prerequisite: RAD 61A</i></p> <p>Radiographic digital imaging system components, principles, operation, quality assurance, and maintenance. Factors impacting image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors and evaluating images within a digital system assist students to bridge between film-based and digital imaging systems. Intended for students enrolled in Radiologic Technology program.</p>	<p>■ RAD 62A — Theory of Radiologic Technology 4 Units Degree Applicable, CSU</p> <p>72 hours lecture <i>Prerequisite: RAD 61A and RAD 1B</i> <i>Corequisite: RAD 2A, RAD 62B, and RAD 62C</i></p> <p>Areas of X-ray production and interaction with matter, principles of imaging, film screen processing, imaging equipment, and radiation protection. Intended for students enrolled in Radiologic Technology Program.</p>	<p>■ RAD 64 — Theory of Radiologic Technology 4 Units Degree Applicable, CSU</p> <p>72 hours lecture <i>Corequisite: RAD 3C</i></p> <p>Analytical review of the radiologic technology core curriculum. Serves as preparation for state certification and national registry exams. Intended for students enrolled in Radiologic Technology Program.</p>
<p>■ RAD 50 — Introduction to Radiologic Science and Health Care 3 Units Degree Applicable, CSU</p> <p>54 hours lecture</p> <p>Foundations of radiography and the practitioner's role in the healthcare delivery system. Principles, practices and policies of healthcare organizations are examined and discussed in addition to the professional responsibilities of the radiographer. Includes radiation safety and a foundation in ethics and law related to the practice of medical imaging. Intended for students enrolled in Radiologic Technology Program.</p>	<p>■ RAD 62B — Radiographic Procedures II 3 Units Degree Applicable, CSU</p> <p>54 hours lecture <i>Prerequisite: RAD 61A, RAD 61B, RAD 61C</i> <i>Corequisite: RAD 62A, RAD 62C and RAD 2A</i></p> <p>Knowledge base necessary to perform standard imaging procedures and special studies. Consideration is given to the evaluation of optimal images. Focus on anatomy and positioning of the vertebral column, bony thorax, cranium, gastrointestinal (GI) system and genitourinary (GU) system. Intended for students enrolled in Radiologic Technology Program.</p>	<p>■ RAD 91 — Patient Care in Radiologic Sciences 3 Units Degree Applicable, CSU</p> <p>45 hours lecture 15 hours lab</p> <p>Concepts of optimal patient care, including consideration for the physical and psychological needs of the patient and family. Routine and emergency patient care procedures are described, pharmacology, as well as infection control procedures using standard precautions. The role of the radiographer in patient education is identified. Intended for students enrolled in Radiologic Technology Program.</p>
<p>■ RAD 61A — Theory of Radiologic Technology 4 Units Degree Applicable, CSU</p> <p>72 hours lecture <i>Prerequisite: RAD 50 and PHYS 1</i> <i>Corequisite: RAD 1A and RAD 61B and RAD 61C</i></p> <p>Structure of the atom, radiation, radiographic equipment, exposure factor formulation, technique charts, and radiation protection. Intended for students enrolled in Radiologic Technology Program.</p>	READING	
<p>■ READ 70 — Approaches to Reading 3 Units Not Degree Applicable</p> <p>(May be taken for Pass/No Pass only)</p> <p>54 hours lecture</p> <p>Introduction to comprehension and vocabulary strategies, and self-reflection on reading.</p>		