

NUCLEAR MEDICINE

For complete information regarding the Nuclear Medicine Program, please view Radiologic Technology (<http://catalog.vcccd.edu/moorpark/programs-courses/radiologic-technology/>).

RADT M01A Radiographic Practice I 3 Units

In-Class Hours: 52.5 lecture

Prerequisites: RADT M10A and RADT M10AL and RADT M10B

Corequisites: RADT M01AL, RADT M01B, RADT M01BL, RADT M11

Enrollment Limitations: Criminal background clearance. Drug and alcohol clearance. Proof of freedom from and immunity to communicable diseases. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. CPR BLS Provider card from American Heart Association only. Los Angeles City Hospital Fire and Life Safety Card Proof of Health Insurance Proof of Professional Liability Insurance.

Focuses on routine and trauma radiographic anatomy. Includes positioning and procedures of the upper and lower extremities, shoulder girdle, bony thorax, pelvic girdle, and vertebral column.

Grade Modes: Letter Graded

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None

RADT M01AL Radiographic Clinical Lab I 4.5 Units

In-Class Hours: 245 laboratory

Prerequisites: RADT M10A and RADT M10AL and RADT M10B

Corequisites: RADT M01A and RADT M11

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. Proof of freedom from and immunity to communicable diseases. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Radiologic Technology Program CPR BLS Provider card from American Heart Association only Los Angeles Hospital Fire and Life Safety Card Proof of health Insurance Proof of professional liability insurance.

Provides an opportunity for practical application of theory on patients in a clinical setting. Includes proper positioning and exposure of the upper and lower extremities, shoulder girdle, bony thorax, pelvic girdle and spinal column.

Grade Modes: Letter Graded

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None

RADT M01B Radiographic Technique I 3 Units

In-Class Hours: 52.5 lecture

Prerequisites: RADT M10A and RADT M10AL and RADT M10B

Corequisites: RADT M01A and RADT M01AL and RADT M01BL and RADT M11

Enrollment Limitations: Criminal background clearance. Drug and alcohol clearance. Proof of freedom from and immunity to communicable diseases. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Fire Safety Card Proof of health insurance Proof of professional liability insurance.

Covers production of radiation and interactions with matter. Includes manipulation and image quality of radiographic equipment.

Grade Modes: Letter Graded

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None

RADT M01BL Radiographic Technique Lab I 1 Unit

In-Class Hours: 52.5 laboratory

Prerequisites: RADT M10A and RADT M10AL and RADT M10B

Corequisites: RADT M01A and RADT M01AL and RADT M01B and RADT M11

Enrollment Limitations: Criminal background clearance. Drug and alcohol clearance. Proof of freedom from and immunity to communicable diseases. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Fire Safety Card Proof of health insurance Proof of professional liability insurance.

Provides basic knowledge in factors that govern and influence the production and recording of radiographic images. Uses class demonstrations and experiments to illustrate the application of radiographic equipment for digital radiographic imaging. Includes the performance of basic quality control experiments.

Grade Modes: Letter Graded

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None

RADT M02A Radiographic Practice II 3 Units*In-Class Hours:* 52.5 lecture*Prerequisites:* RADT M01A, RADT M01AL, RADT M01B, RADT M01BL RADT M11*Corequisites:* RADT M02AL, RADT M02B, RADT M02BL, and RADT M12*Enrollment Limitations:* Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Radiography Program, including: Fire Safety Card; Proof of Health Insurance; Proof of Professional Liability Insurance.

Emphasizes routine, trauma, geriatric and pediatric radiographic imaging of the skull, paranasal sinuses and facial bones. Focuses on fluoroscopic and contrast media procedures of the gastrointestinal and genitourinary systems with an introduction to angiographic and interventional procedures.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M02AL Radiographic Clinical Lab II 4.5 Units***In-Class Hours:* 245.00 laboratory*Prerequisites:* RADT M01A and M01AL and RADT M11*Corequisites:* RADT M02A and RADT M12 and RADT M02B and RADT M02BL*Enrollment Limitations:* Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. Proof of freedom from and immunity to communicable diseases. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Radiologic Technology Program. CPR BLS Provider card from American Heart Association only. Los Angeles City Hospital Fire and Life Safety Card Proof of health insurance Proof of professional liability insurance.

Provides an opportunity for practical application of theory on patients in a clinical setting. Includes proper positioning and exposure of the skull, paranasal sinuses, facial bones; fluoroscopic and contrast media procedures of the gastrointestinal and genitourinary systems; and pediatric and surgical radiography. Takes place in the radiology department of a pre-assigned clinical affiliate.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M02B Radiographic Technique II 3 Units***In-Class Hours:* 52.5 lecture*Prerequisites:* RADT M01B and RADT M01BL*Corequisites:* RADT M02A and RADT M02AL and RADT M02BL and RADT M12*Enrollment Limitations:* Criminal background clearance. Drug and alcohol clearance. Proof of freedom from and immunity to communicable diseases. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Fire Safety Card Proof of health insurance proof of professional liability insurance.

Covers basic principles of radiation protection and radiobiology as well as state and federal regulations for diagnostic uses of radiation. Includes problem solving, quality assurance and quality control, automatic exposure control, digital systems and an introduction to Computed Tomography (CT).

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M02BL Radiographic Technique Lab II 1 Unit***In-Class Hours:* 52.5 laboratory*Prerequisites:* RADT M01B and M01BL*Corequisites:* RADT M02A and RADT M02AL and RADT M02B and RADT M12*Enrollment Limitations:* Criminal background clearance. Drug and alcohol clearance. Proof of freedom from and immunity to communicable diseases. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Fire Safety Card Proof of Health Insurance Proof of professional liability insurance.

Applies radiation health and safety requirements in the acquisition of a radiograph with optimum image quality. Includes quality control (QC) and quality assurance (QA) experiments for radiographic equipment.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None

RADT M03 Advanced Radiographic Technique 4 Units*In-Class Hours:* 70 lecture*Prerequisites:* RADT M02A and RADT M02B*Corequisites:* RADT M03B and RADT M03L

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Fire Safety Card; Proof of Health Insurance; Proof of Professional Liability Insurance; CPR BLS from American Heart Association; Admission to the Moorpark College Radiologic Technology.

Introduces the advanced radiography student to the theory of computed tomography including physics, instrumentation, patient care and imaging procedures. Covers cross sectional anatomy using computed tomography and magnetic resonance images.

Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None

RADT M03B Radiographic Pathology 2 Units*In-Class Hours:* 35 lecture*Prerequisites:* RAD M02B, RADT M02BL, RADT M02A, RADT M02AL and RADT M12*Corequisites:* RADT M03 and RADT M03L

Enrollment Limitations: Criminal background clearance. Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Physical examination demonstrating general good health. Proof of freedom from and immunity to communicable diseases. Current CPR BLS Provider card from American Heart Association only Los Angeles City Hospital Fire and Life Safety card Proof of health insurance Proof of professional liability insurance.

Introduces advanced concepts in radiography and various types of diseases encountered in radiology. Examines the skeletal, respiratory, central nervous, gastrointestinal, genito-urinary, hepatobiliary, hematopoietic, and reproductive systems.

Grade Modes: Letter Graded

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None

RADT M03L Radiographic Clinical Lab III 10.5 Units*In-Class Hours:* 560 laboratory*Prerequisites:* RADT M02A and M02AL and RADT M49*Corequisites:* RADT M03, and RADT M03B

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. Proof of freedom from and immunity to communicable diseases. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Radiology Technology Program CPR BLS Provider card from American Heart Association only Los Angeles City Hospital Fire and Life Safety Card Proof of Health Insurance Proof of professional liability insurance.

Provides an opportunity for practical application of theory on patients in a clinical setting. Includes proper positioning of entire skeletal system, utilization of fluoroscopy for surgical procedures using the C-arm and to perform upper and lower gastrointestinal exams using proper contrast media.

Grade Modes: Letter Graded

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None

RADT M04 Introduction to Image-Intensified Fluoroscopy 1 Unit*Formerly:* RADT M03A*In-Class Hours:* 17.5 lecture*Prerequisites:* RADT M03 and RADT M03L and RADT M03B*Corequisites:* RADT M04L and RADT M14

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No felony convictions per California Penal Code. No visible tattoos or visible body piercings except single studs in earlobes. Physical examination demonstrating general good health. Proof of freedom from and immunity to communicable diseases. Fire Safety Card; Proof of Health Insurance; Proof of Professional Liability Insurance; CPR BLS from American Heart Association; Admission to the Moorpark College Radiologic Technology.

Covers the principles of fluoroscopic imaging including equipment, image formation and recording. Emphasizes image quality, analysis and radiation protection.

Grade Modes: Letter Graded

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None

RADT M04L Radiographic Clinical Lab IV 10.5 Units*In-Class Hours:* 560 laboratory*Prerequisites:* RADT M03, RADL M03L, and RADT M03B*Corequisites:* RADT M04 and RADT M14

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Physical examination demonstrating general good health. Proof of freedom from and immunity to communicable diseases. Admission to the Radiologic Technology Program CPR BLS Provider card from American Heart Association only Los Angeles City Hospital Fire and Life Safety Card Proof of health insurance Proof of professional liability insurance.

Provides an opportunity for practical application of the advanced radiography theory and lab content of upper and lower extremity, upper and lower gastrointestinal, and genitourinary studies using contrast media, fluoroscopy, and C-arm in surgical exams. Includes limited rotations in computer tomography, magnetic resonance, radiation therapy, ultrasound, cardiac catheterization and special interventional radiographic procedures in assigned clinical setting.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M09 Basic Skills for the Radiologic Technologist 0.5 Units***Formerly:* HS M16R*In-Class Hours:* 26.25 laboratory*Corequisites:* RADT M10A and RADT M10B

Enrollment Limitations: Criminal background clearance. Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Physical examination demonstrating general good health. Proof of freedom from and immunity to communicable diseases. Admission to the Moorpark College Radiologic Technology Program BLS CPR card from American Heart Association only Los Angeles City Hospital Fire and Life Safety Card Proof of health insurance Proof of professional Liability insurance.

Provides basic knowledge of client care skills to those preparing for a career in Radiography. Focuses on the essential principles and practices of safe effective care in this constantly changing medical field. Integrates safety, communications, documentation, and cultural diversity throughout the course.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** None**RADT M10A Introduction to Radiologic Technology 2 Units***In-Class Hours:* 35 lecture*Corequisites:* RADT M10AL, RADT M10B and RADT M09

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Radiography Program, including: - Fire Safety Card -Proof of health insurance -Proof of professional liability insurance.

Provides the new radiography student with entry-level information to begin clinical practice with a diverse client population in a radiology department. Emphasizes radiation protection, equipment manipulation and safety, sterile technique, and career options in radiology. Includes anatomy and positioning for chest and abdomen procedures.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M10AL Introduction to Radiologic Technology Lab 2.5 Units***In-Class Hours:* 131.25 laboratory*Corequisites:* RADT M10A, RADT M10B, RADT M09

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Physical examination demonstrating general good health. Fire Safety Card Proof of health insurance Proof of professional liability insurance.

Materials Fee: \$45.00

Permits the new radiography student to participate in a simulated radiography department setting in the on-campus Radiography skills lab. Provides radiography students opportunities to learn and practice equipment manipulation, radiation protection procedure, basic radiographic positions and projections positions, and chest and abdomen anatomy and procedures.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None

RADT M10B Introduction to Radiographic Technique 2 Units*In-Class Hours:* 35 lecture*Prerequisites:* Admission to Moorpark College Radiologic Technology Program*Corequisites:* RADT M10A and RADT M10AL*Enrollment Limitations:* Criminal background clearance. Drug and alcohol clearance. Proof of freedom from and immunity to communicable diseases. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Fire Safety Card Proof of health insurance Proof of professional liability insurance.

Provides a basic knowledge of radiographic equipment design and operations. Covers introduction to radiation production, radiation protection and different types of digital radiographic equipment.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M11 Radiographic Lab I 1 Unit***In-Class Hours:* 52.5 laboratory*Prerequisites:* RADT M10A, RADT M10AL and RADT M10B*Corequisites:* RADT M01A, RADT M01AL, RADT M01B, and RADT M01BL*Enrollment Limitations:* Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. The student must be admitted to the MC Radiography program before being granted permission to enroll in the Radiography courses. Current CPR certification, BLS for health care provider from American Heart Association only. Fire Safety Card Professional liability insurance Proof of health insurance.

Provides an opportunity for practical applications of theory focuses on routine and trauma radiographic anatomy through simulated clinical experiences in a radiography skills lab. Offers hands-on positioning with a mock patient as well as the creation of actual radiographs of an x-ray phantom using conventional and digital equipment.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M12 Radiographic Lab II 1 Unit***In-Class Hours:* 52.5 laboratory*Prerequisites:* RADT M01A, RADT M01AL, RADT M11, and RADT M01B*Corequisites:* RADT M02A, RADT M02AL, RADT M02B, and RADT M02BL*Enrollment Limitations:* Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. The student must be admitted to the MC Radiography program before being granted permission to enroll in the Radiography courses. Current CPR certification, BLS for Healthcare Provider from American Heart Association only. Fire Safety Card Professional Liability Insurance Proof of health insurance.

Provides an opportunity for practical applications of theory. Focuses on fluoroscopic and contrast media procedures of the gastrointestinal and genitourinary systems. Introduces angiographic and interventional procedures through simulated clinical experiences in a radiography skills lab. Offers hands-on positioning with a mock patient as well as the creation of actual radiographs of an x-ray phantom using conventional and digital equipment.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M14 Radiographic Film Critique Lab 1 Unit***In-Class Hours:* 52.5 laboratory*Prerequisites:* RADT M03, RADT M03B and RADT M03L*Corequisites:* RADT M04 and RADT M04L*Enrollment Limitations:* Criminal background clearance. Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Physical examination demonstrating general good health. Proof of freedom from and immunity to communicable diseases. CPR BLS card from American Heart Association only. Los Angeles City Hospital Fire and Life Safety card Proof of health insurance Proof of professional liability insurance.

Provides radiographic film critique to integrate clinical practice and classroom education. Evaluates technical errors on radiographs and reviews strategies for avoiding future errors. Includes a review for licensure examinations.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None

RADT M15 Venipuncture/ECG for RADT 0.5 Units*In-Class Hours:* 4 lecture, 14.25 laboratory*Prerequisites:* RADT M01A, RADT M11, RADT M01B, RADT M01BL and RADT M01AL*Corequisites:* RADT M02A, RADT M02AL, RADT M12, RADT M02B, RADT M02BL*Enrollment Limitations:* Criminal background clearance. Drug and alcohol clearance. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. Physical examination demonstrating general good health. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Radiography Program, including: Proof of Health Insurance Proof of Professional Liability Insurance Los Angeles City Hospital Fire and Life Safety Card CPR BLS Provider card from American Heart Association only.

Provides the basic techniques of venipuncture in an upper extremity for the administration of radiographic contrast materials. Describes complications associated with contrast administration and appropriate actions to resolve these complications. Introduces the basic concepts of the electro-cardiogram (ECG). This course is also available to Certified Radiologic Technologist. Upon completion of in class portion of the course, students will need to perform an additional ten (10) venipunctures at a clinical site under the direct supervision of a physician to satisfy the state of California's training requirements for Certified Radiologic Technologists to start an IV for contrast injection.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M17 Healthcare Ethics 3 Units***Formerly:* HS M17; PHIL M17*Same-As:* NS M17*In-Class Hours:* 52.5 lecture

Introduces theoretical and applied ethics as they relate to problems in medicine, healthcare, and the human life sciences. Examines foundational moral principles and the main moral theories. Provides an introduction to ethics in general, a foundation for understanding legal implications in healthcare and a framework for analyzing and resolving ethical problems through the application of ethical principles and critical thinking.

Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** C2**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M30 Nuclear Medicine Practice I 3 Units***Formerly:* RADT M199A*In-Class Hours:* 52.5 lecture*Corequisites:* RADT M32 and RADT M34A*Advisories/Rec Prep:* MATH M15 or MATH M15H and CHEM M12*Enrollment Limitations:* Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine program BLS CPR card from American Heart Association only. Los Angeles City Hospital Fire and Life Safety Card Proof of Health Insurance Proof of Professional Liability Insurance Admission to the Moorpark College Nuclear Medicine Program.

Introduces nuclear medicine as a specialty within radiologic technology. Focuses on equipment and radiopharmaceutical agents used to perform routine procedures on the skeletal, cardiovascular, central nervous, digestive and endocrine/exocrine systems.

Grade Modes: Letter Graded, Student Option- Letter/Credit**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** None**RADT M32 Principles of Nuclear Medicine I 3 Units***In-Class Hours:* 52.5 lecture*Corequisites:* RADT M30 and RADT M34A*Advisories/Rec Prep:* MATH M15 OR MATH M15H AND CHEM M12*Enrollment Limitations:* Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine program. BLS CPR card from American Heart Association only. Los Angeles City Hospital Fire and Life Safety Card. Proof of Health Insurance. Proof of Professional Liability Insurance.

Introduces principles of basic nuclear medicine procedures, patient care, and radiation safety. Focuses on the safe operation of non-imaging instruments including monitoring equipment, dose calibrators, well counters, uptake probes, liquid scintillation systems, and the gamma probe.

Grade Modes: Letter Graded, Student Option- Letter/Credit**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None

RADT M34A Nuclear Medicine Clinical Lab IA 4.5 Units*In-Class Hours:* 236.25 laboratory*Corequisites:* RADT M30 and RADT M32*Advisories/Rec Prep:* MATH M15 or MATH M15H and CHEM M12

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine program Current American Registry of Radiologic Technologists ARRT License BLS CPR card from American Heart Association only Los Angeles City Hospital Fire and Life Safety Card Proof of Health Insurance Proof of Professional Liability Insurance.

Materials Fee: \$89.44

Provides an opportunity for practical application at a designated clinical site. Focuses on nuclear medicine imaging of the skeletal, cardiovascular, central nervous, digestive, and endocrine/exocrine systems. Utilizes the lab in the nuclear medicine department of a pre-assigned clinical affiliate. OTHER: Materials Fee: There is a materials fee for the course. The fee varies based on market value.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M34B Nuclear Medicine Clinical Lab IB 4.5 Units***In-Class Hours:* 236.25 laboratory*Prerequisites:* RADT M52A

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine program Current American Registry of Radiologic Technologists (ARRT) license BLS CPR card from American Heart Association only Los Angeles City Hospital Fire and Life Safety Card Proof of Health Insurance Proof of Professional Liability Insurance.

Provides an opportunity for intermediate practice of nuclear medicine procedures. Focuses on the imaging of the bone, cardiovascular, central nervous, digestive and endocrine/exocrine systems procedures. Utilizes lab in the nuclear medicine department of a pre-assigned clinical affiliate.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M40 Nuclear Medicine Practice II 3 Units***In-Class Hours:* 52.5 lecture*Prerequisites:* RADT M30, RADT M32 and RADT M34A*Corequisites:* RADT M42 and RADT M44A

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine program. BLS CPR card from American Heart Association only. Los Angeles City Hospital Fire and Life Safety Card. Proof of Health Insurance. Proof of Professional Liability Insurance.

Focuses on the equipment and radiopharmaceutical agents used to perform imaging procedures of the genitourinary, hematopoietic, respiratory systems. Includes in-vitro, oncology and inflammation imaging for the adult and pediatric populations.

Grade Modes: Letter Graded, Student Option- Letter/Credit**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M42 Principles of Nuclear Medicine II 3 Units***In-Class Hours:* 52.5 lecture*Prerequisites:* RADT RADT M30, RADT M32 and RADT M34A*Corequisites:* RADT M40 and RADT M44A

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine program. BLS CPR card from American Heart Association only. Los Angeles City Hospital Fire and Life Safety Card. Proof of Health Insurance. Proof of Professional Liability Insurance.

Focuses on patient care, radiation safety, and principles of single photon emission computed tomography (SPECT). Includes introduction to positron emission tomography (PET) instrumentation, and positron emission tomography/computed tomography (PET/CT) oncology.

Grade Modes: Letter Graded, Student Option- Letter/Credit**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None

RADT M44A Nuclear Medicine Clinical Lab IIA 4.5 Units*Formerly:* RADT M44*In-Class Hours:* 236.25 laboratory*Prerequisites:* RADT M30, RADT M32 and RADT M34A*Corequisites:* RADT M4 and RADT M42

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine Program Current American Registry of Radiologic Technologists (ARRT) license BLS CPR card from American Heart Association only Los Angeles City Hospital Fire and Life Safety Card Proof of Health Insurance Proof of Professional Liability Insurance.

Provides an opportunity for practical application of nuclear medicine procedures at a designated clinical site. Focuses on nuclear medicine imaging of the respiratory, genitourinary, hematopoietic systems, as well as inflammatory/tumor and pediatric procedures. Utilizes lab in the Nuclear Medicine department of a pre-assigned clinical affiliate.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M44B Nuclear Medicine Clinical Lab IIB 4.5 Units***Formerly:* RADT M44*In-Class Hours:* 236.25 laboratory*Prerequisites:* RADT M34B

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine Program Current American Registry of Radiologic Technologists (ARRT) license BLS CPR card from American Heart Association only Los Angeles City Hospital Fire and Life Safety Card Proof of Health Insurance Proof of Professional Liability Insurance.

Provides an opportunity for intermediate practical application of nuclear medicine exams of the respiratory, genitourinary, and hematopoietic systems. Includes inflammatory/tumor, and pediatric procedures of the same areas. Utilizes lab in the Nuclear Medicine department of a pre-assigned clinical affiliate.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M49 Radiography Summer Practicum 4.5 Units***In-Class Hours:* 280 laboratory*Prerequisites:* RADT M02A, RADT M02AL, RADT M02B, RADT M02BL and RADT M12

Enrollment Limitations: Criminal background clearance. Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Physical examination demonstrating general good health. Proof of freedom from and immunity to communicable diseases. Admission to the Radiologic Technology Program. CPR BLS Provider card from American Heart Association only. Los Angeles City Hospital Fire and Life Safety Card. Proof of professional liability insurance. .

Materials Fee: \$40.00

Provides clinical experience in a pre-assigned clinical affiliate. Focuses on the improvement of clinical skills for exams of the axial and appendicular skeletal system. Includes active participation and use of fluoroscopy and contrast media to perform genitourinary, gastrointestinal exams. Furthermore, it encourages active participation in special radiographic procedures, and surgical exams using C-arm. A materials fee of \$40.00 or current market pricing will be charged at registration. Takes place in the radiology department of a pre-assigned clinical affiliate.

Grade Modes: Letter Graded**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None**RADT M50 Nuclear Medicine Seminar 2 Units***In-Class Hours:* 35 lecture*Prerequisites:* RADT M40 and RADT M42*Corequisites:* RADT M52B

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Drug and alcohol clearance. No acrylic or long nails in clinical settings. Current negative TB test or chest x-ray. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine program. BLS CPR card from American Heart Association only. Los Angeles City Hospital Fire and Life Safety Card. Proof of Health Insurance. Proof of Professional Liability Insurance.

Provides a review of all nuclear medicine procedures of the central nervous, endocrine, respiratory, cardiovascular, gastrointestinal, genitourinary, skeletal, and hematopoietic systems. Includes nuclear medicine radiation protection policies, regulations and quality control programs. Includes preparation for the NMTCB (Nuclear Medicine Technology Certification Board) exams.

Grade Modes: Letter Graded, Student Option- Letter/Credit**Degree Applicability:** Applies to Associate Degree**AA/AS GE:** None**Transfer Credit:** CSU**UC Credit Limitations:** None**CSU GE-Breadth:** None**IGETC:** None

RADT M52A Nuclear Medicine Clinical Lab IIIA 2.5 Units

Formerly: RADT M52

In-Class Hours: 131.25 laboratory

Prerequisites: RADT M40 and RADT M42 and RADT M44A

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine Program Current American Registry of Radiologic Technologists (ARRT) license BLS CPR card from American Heart Association only Los Angeles City Hospital Fire and Life Safety Card Proof of Health Insurance Proof of Professional Liability Insurance.

Materials Fee: \$89.44

Provides an opportunity for advanced practical application of nuclear medicine procedures. Includes the skeletal, cardiovascular, central nervous, digestive, endocrine/exocrine, respiratory, genitourinary, and hematopoietic systems. Utilizes lab in the Nuclear Medicine department of a pre-assigned clinical affiliate. OTHER: Materials Fee: There is a materials fee for the course. The fee varies based on market value.

Grade Modes: Letter Graded

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None

RADT M52B Nuclear Medicine Clinical Lab IIIB 2.5 Units

Formerly: RADT M52

In-Class Hours: 131.25 laboratory

Prerequisites: RADT M52A

Corequisites: RADT M50

Enrollment Limitations: Criminal background clearance. Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross). Current negative TB test or chest x-ray. Drug and alcohol clearance. No acrylic or long nails in clinical settings. No visible tattoos or visible body piercings except single studs in earlobes. Admission to the Moorpark College Nuclear Medicine Program Current American Registry of Radiologic Technologists (ARRT) license BLS CPR card from American Heart Association only Los Angeles City Hospital Fire and Life Safety Card Proof of Health Insurance Proof of Professional Liability Insurance.

Continues the advanced practical application of nuclear medicine procedures of the skeletal, respiratory, cardiovascular, gastrointestinal, central nervous, endocrine, genitourinary, hematopoietic systems. Includes advanced practice of inflammatory/tumor procedures for adult and pediatric patients. Utilizes lab in the Nuclear Medicine department of a pre-assigned clinical affiliate.

Grade Modes: Letter Graded

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None

RADT M122 Independent Study - Radiologic Technology 0.5-3 Units

Formerly: RADT M22A/B

In-Class Hours: 26.25-157.5 laboratory

Prerequisites: Completion of one course in Radiologic Technology and instructor approval

Allows independent study for students who wish to extend their knowledge of a particular area of Radiologic Technology through research and study. Utilizes an approved independent project. Includes one-on-one work with instructor. Interested students should contact a Rad Tech instructor for assistance in developing a contract for learning about a specific topic.

Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None