

# RADIOLOGIC TECHNOLOGY

*Program Purpose: Students who complete the Radiologic Technology program will have the necessary knowledge and skills to perform diagnostic x-ray procedures in hospitals or other health care settings.*

The radiography program is accredited by the Joint Review Committee of Education in Radiologic Technology and by the California Department of Health. Radiography students must complete all general education and required Radiologic Technology courses to be eligible to take the California and National Licensing Exams.

## Application Procedure

The application period for receipt of applicant information and transcripts by the Health Science counselors for Radiologic Technology is February 1 to February 28. For the online application and instructions on how to submit an application, please refer to the Moorpark College Radiologic Technology website at [www.moorparkcollege.edu/radtech](http://www.moorparkcollege.edu/radtech) (<http://www.moorparkcollege.edu/radtech/>)

Applicants must be at least 18 years old at the time of application.

### Step 1

**Required Prerequisite Courses for Application to the Radiologic Technology Program (all courses must be completed with a "C" or better):**

Course ID	Title	Units/ Hours
<b>Required Prerequisite Courses</b>		
ANAT M01	Human Anatomy <sup>1</sup>	4
and		
PHSO M01 or PHSO M01H	Human Physiology <sup>1</sup> Honors: Human Physiology	
or		
ANPH M01	Human Anatomy and Physiology	
RADT M17 or NS M17	Healthcare Ethics <sup>1</sup> Healthcare Ethics	3
NS M19	Medical Terminology	3
ENGL M01A or ENGL M01AH	English Composition Honors: English Composition	4
MATH M03	Intermediate Algebra	5
<b>Total Units</b>		<b>19</b>

<sup>1</sup> For the AS Degree; these combined courses may not be acceptable for transfer to some accepting institutions.

### Step 2

**General Education Courses:** These courses are necessary for the Associate Degree and must be completed prior to graduation.

Course ID	Title	Units/ Hours
<b>Recommended Courses</b>		
Fine or Performing Arts:		
Course of Choice		3
American History and Institutions:		
Course of Choice		3

Physical Science:	
Course of Choice <sup>1,2</sup>	3
Social and Behavior Science: <sup>2</sup>	
Course of Choice	3
Physical Education:	
Course of Choice	1

1 Minimum

2 **Note:** For a Bachelor's Degree articulation with CSUN, take PHYS M10A General Physics I (Units: 4), PHYS M10AL General Physics I Lab (Units: 1), PHYS M10B General Physics II (Units: 4), and PHYS M10BL General Physics II Laboratory (Units: 1)

3 highly recommend COMM M04 Interpersonal Communication (Units: 3)

## Application Process

- Applicants must be at least 18 years old at the time of application.
- Upon meeting the prerequisite Science Courses (Step 1) with a C or better and an overall GPA of 2.5 or better, students may submit a Radiologic Technology application online from February 1 - February 28 of each year. For the online application and instructions on how to submit an application, please refer to the Moorpark College Radiologic Technology website at [www.moorparkcollege.edu/radtech](http://www.moorparkcollege.edu/radtech) (<http://www.moorparkcollege.edu/radtech/>). All official College transcripts must be on file with the Admissions and Records office prior to submission of the application.
- Each qualified applicant will be randomly assigned a number for the year in which they applied and placed on a waiting list labeled with the year of application. Each applicant's number will indicate his/her place in "LINE" to enter the program. Applicants are admitted to the program by year of application and number order.
- The program admits alternates from the waitlist based on the year applied and waitlist number, to serve on standby for admission until the end of the first week of class. If not admitted, these alternates will be first admissions into the next class provided all deadlines are met and required documents have been submitted.
- The Health Sciences Department will contact applicants regarding acceptance/admission.
- Admission is contingent upon receiving **all** mandatory requirements by specified deadline. These requirements are mandatory due to clinical facility requirements:
  - Background check (seven year clearance) and negative drug screen
  - A Physical Exam documented on the Moorpark College Radiologic Technology Programs Health Appraisal form, which considers freedom from communicable diseases and ability to function in a hospital setting
  - Proof of current vaccinations as required by the clinical agencies, such as annual flu vaccination and Covid-19 vaccination and booster(s)
  - Proof of current health insurance
  - Proof of current student radiologic technologist liability insurance
  - Proof of current auto insurance, if licensed to drive

- Current American Heart Association CPR BLS Provider card
- Current Los Angeles City Hospital Fire and Life Safety card
- Social Security Card copy
- Evidence of physical and emotional fitness upon admission and throughout the program is expected and is subject to medical opinion of the college physician and to medical opinion or policy of hospitals or agencies used as clinical sites.
- Admission may be denied to an applicant who has failed or withdrew failing from a program and whose overall record makes program completion unlikely (example: two program withdrawals); or who has health and/or safety deficits which place clients at risk.

## Advancement Placement

Opportunities for advanced placement on the waitlist based on space are available to readmission applicants, and Limited Permit X-Ray Technicians Limited Permit X-ray Technicians must complete all prerequisites and required coursework for the ARRT. Advanced Placement students must have an entrance interview with the Radiologic Technology faculty to review scholastic audits and placement. Advance Placement students will have to complete all courses, with a grade of C or better, required by the Moorpark College program in order to complete the program.

*The following sections apply to both the Radiologic Technology Program and Nuclear Medicine Program.*

## Technology/Computer Expectations

Medicine, health care, and radiologic technology are highly technical fields requiring technology/computer skills. It is highly recommended that students are comfortable using a computer, have basic word processing, e-mail, and Internet navigation skills, and be familiar with chat rooms.

## Travel Expectations

The clinical sites extend from Santa Barbara County to Orange County, within an approximate 75-mile radius from Moorpark College. Each student is responsible for his or her own transportation.

## Program Requirements

Admission to the programs is dependent upon meeting of program requirements. After students have been admitted, the following requirements must be met:

- A Physical Exam documented on the Moorpark College Radiologic Technology Programs Health Appraisal form, which considers freedom from communicable diseases and ability to function in a hospital setting.
- Proof of Immunity to rubeola, mumps, rubella, hepatitis B, varicella and tuberculosis clearance.
- Current vaccinations as required by the clinical agencies, such as annual flu vaccination and Covid-19 vaccination and boosters.
- Tuberculosis clearance.
- Evidence of physical and emotional fitness upon admission and throughout the program is expected and is subject to medical opinion of the college physician and to medical opinion or policy of hospitals or agencies used as clinical sites.
- Current CPR BLS Provider card by the American Heart Association.
- Current Los Angeles City Hospital Fire and Life Safety Card.
- Proof of current health insurance.
- Proof of current student radiologic technologist liability insurance.
- Current auto insurance.
- Social Security Card.
- Criminal background check fee and drug screening, paid by student and through an agency approved by the Health Sciences Department and before placement into a clinical site. Background check and drug screening may not be older than 3 months before the start of clinical rotation. The Health Science Department is unable to place students in clinical settings if they have a positive criminal background check (seven years) or drug screening. Therefore, the student will not be able to complete the required program of courses. Students with a previous positive background check are asked to have themselves pre-approved by the ARRT. See ARRT Pre-Application section for more information.
- Students are required to complete additional background check and drug screening at other times during the programs, such as prior to starting the second year clinical rotation.
- Once in a program, students are required to verify maintenance of current CPR card, liability insurance, health insurance, immunizations, auto insurance, and tuberculosis clearance.

## Ethical Expectations

All students admitted to the Radiologic Technology program are expected to maintain the highest personal and ethical standards of conduct consistent with professional standards as perceived by the faculty and professional personnel in the agencies used as extended campus sites. Any information indicating that such standards are not maintained is subject to review by members of the faculty, which may recommend to the college dismissal from the program.

## Pre-application To ARRT

The conviction of a felony may prohibit licensure as a Radiologic Technology professional. Each case is reviewed and determined by the ARRT. The Board considers the nature and severity of the offense, subsequent acts or crimes, compliance with the sanctions, and evidence of rehabilitation. Letter of clearance from ARRT does not itself guarantee clinical placement. Students with a positive background check and clearance from ARRT may not be admitted at the clinical sites. In this case, students will not be able to complete clinical training and will not be admitted to the program. To obtain a pre-application, contact ARRT: (651) 687-0048 or at the website: [www.arrt.org](http://www.arrt.org) (<http://www.arrt.org>).

## Performance Standards

In compliance with the 1990 American with Disabilities Act, the Health Sciences Department does not discriminate against qualified Nuclear Medicine or Radiologic Technology applicants with disabilities. These performance standards, reflected in specific Radiologic Technology and Nuclear Medicine course/program objectives, are to assist each applicant in determining eligibility and the need for accommodations or modifications. The terms below describing physical functions are general in nature. Students who can perform the same actions effectively through the use of assistive technology or devices need to make an appointment with ACCESS for accommodations. ACCESS may also collaborate with the

program's Coordinator regarding the accommodations needed, particularly for those in the clinical setting.

- **Critical Thinking:** ability sufficient for safe clinical judgment: calculating, reasoning, analyzing, prioritizing, synthesizing data. Make appropriate and timely decisions under stressful situations. Examples: identify cause/effect relationships in clinical situations.
- **Interpersonal:** abilities sufficient to interact with individuals, families, and groups with diverse social, emotional, cultural, and intellectual backgrounds: function effectively under stress. Must demonstrate professional behavior at all times. Maintain a therapeutic relationship with clients, families, and health team members. Example: establish rapport with diverse patients and effectively interact with colleagues as part of the health care team.
- **Communication:** sufficient for effective verbal and written interactions. Communicate effectively, both orally and in writing, using appropriate grammar, vocabulary and word usage. The student must have 95% ability to communicate positioning instructions, interpret patient responses, as well as, interact with staff, faculty and peers. Examples: Explain radiologic diagnostic treatment procedures, positioning instructions, document and interpret actions and client responses.
- **Mobility:** physical abilities sufficient to move from room to room and maneuver in small spaces and reach overhead equipment. Examples: Move around X-Ray rooms, clients' rooms, x-ray equipment/machines, workspaces, and diagnostic/treatment areas; administer emergency/CPR procedures.
  - **Standing/Walking-**The student must be able to move forward, backward, and laterally on carpet, tile, linoleum, asphalt and cement while providing and managing patient care, gathering patient supplies and medications, obtaining and returning equipment. Approximate distance = 3 to 6 miles. It is also necessary for a student to have the capability of maintaining an upright position during many functions.
  - **Sitting-** The student must be able to sit while communicating with or teaching patients, operating computers, answering the telephone, writing reports and documenting.
  - **Lifting-** The student must be able to lift floor to knee, knee to waist, and waist to shoulder level while handling supplies (5-10 lbs.). Lift and transfer patients, medical equipment and supplies up to 6 inches from a stooped position, then push or pull the weight up to 3 feet. Lift and transfer patients from a stooped to an upright position to accomplish bed-to-chair and chair-to-bed transfers. Average lifting requirement is 50 pounds.
  - **Carrying-** The student must demonstrate the ability to carry items at waist level.
  - **Pushing/Pulling-** The student must be able to effectively move radiologic equipment, utilize crash carts, open and close doors and drawers, move beds, gurneys, and wheelchairs and to move equipment and furniture.
- **Climbing/Balancing-** The student must demonstrate the ability to navigate stairs going to and from other departments, offices, and homes.
- **Stooping/Kneeling-** The student must demonstrate the ability to move to low enough positions to move radiology equipment, retrieve supplies from cabinets, medication carts, etc.
- **Bending-** The student must demonstrate the ability to move into appropriate positions while performing patient positioning, radiologic exams, gathering supplies, and transferring patients.
- **Crouching/Crawling-** The student must demonstrate the ability to retrieve items from under and behind exam equipment.
- **Reaching/Stretching/Twisting-** The student must demonstrate the ability to extend their reach and move appropriately when doing mobile exams, gathering supplies and equipment, operating computers and equipment, administering care, assisting with patient positioning, cleaning or disposing equipment and retrieving patient files
- **Manipulating:** gross and fine motor abilities sufficient to provide safe and effective care. The student must demonstrate the ability to have hand-wrist movement, hand-eye coordination, simple firm grasping and fine and gross motor dexterity. Examples: Calibrate equipment, move and use equipment/machines; lift, position and transfer clients.
- **Hearing:** ability sufficient to monitor and assess health needs. Examples: Ability to hear and interpret many people and correctly interpret what is heard, physician orders whether verbal or over the telephone, patient reports and cries for help, emergency and equipment alarms.
- **Seeing:** ability sufficient for observation and visual assessment in well-lit and dimly lit areas. Examples: detect signs and symptoms, coloring and body language of patients. Interpret written words accurately, read characters and identify colors in the patient's records and on the computer screen. Accurately read medication labels. Perform close and distance visual activities involving objects, persons, and paperwork, as well as discriminate depth and color perception.
- **Tactile:** ability sufficient for physical assessment and patient positioning. Examples: Perform palpation functions for positioning and determining anatomical landmarks.
- **Travel Expectations:** The clinical sites extend from Santa Barbara County to Orange County, within an approximate 75-mile radius from Moorpark College. Each student is responsible for his or her own transportation.

## Program Completion

For successful completion of the Radiologic Technology program, a minimum grade of 75% is necessary in all core Radiologic Technology program courses required for the major. Pass/No Pass is not an option for the core Radiologic Technology program courses.

## Program Costs

Costs incurred by nuclear medicine and radiologic technology students include, but are not limited to: Physical examination, background check

and drug test, immunizations, uniforms, radiation badge monitoring, Association dues, and licensure examination application.

## Transfer to Bachelor of Science Degree Radiography Technology (BSRT)

Students wishing to apply for admission to a program leading to a Bachelor's Degree in Radiologic Technology may do the following:

Complete the Moorpark College Associate Degree in Radiologic Technology and apply for transfer to an accepting institution. California State University, Northridge has articulated specific courses with Moorpark College granting transferable units in science, general education and radiologic technology.

or

Satisfy the transferable lower-division science and general education requirements and apply to a BSRT program. Major requirements for upper-division standing at California State University, Northridge, are

Course ID	Title	Units/ Hours
ANAT M01	Human Anatomy	4
BIOL M01	Introduction to Biology	4
CHEM M12	Introductory Chemistry I	4
MATH M07	Precalculus and Trigonometry	6
PHSO M01	Human Physiology	4
PHYS M10A	General Physics I	4
and		
PHYS M10AL	General Physics I Lab	1
PHYS M10B	General Physics II	4
and		
PHYS M10BL	General Physics II Laboratory	1

### 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

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.

*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.

**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

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.

*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.

**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 M10BL and RADT M11

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

*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.

**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

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.

*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.

**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 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.

*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.

**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

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.

*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.

**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

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).

*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.

**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

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.

*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.

**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

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.

*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.

**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

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

*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.

**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

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.

*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.

**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

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

*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.

**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

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.

*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.

**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

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.

*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.

**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

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.

*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.

**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*Prerequisites:* Admission to the Moorpark College Radiography Program*Corequisites:* RADT M10A, RADT M10B, RADT M09

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 work equipment manipulation, radiation protection procedure, basic radiographic positions and projections positions; chest and abdomen anatomy and procedures.

*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**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

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

*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.

**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

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.

*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.

**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

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.

*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.

**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

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.

*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.

**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

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.

*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.

**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

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.

*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.

**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

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.

*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.

**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

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.

*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**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

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.

*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.

**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

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.

*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.

**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 M30, RADT M32 and RADT M34A

*Corequisites:* RADT M40 and RADT M44A

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.

*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.

**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

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.

*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.

**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

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.

*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.

**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

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.

*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

**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

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.

*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.

**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

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.

*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**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

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.

*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.

**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

- Radiologic Technology, Associate in Science (<http://catalog.vcccd.edu/moorpark/programs-courses/radiologic-technology/radiologic-technology-as/>)
- Nuclear Medicine, Certificate of Achievement (<http://catalog.vcccd.edu/moorpark/programs-courses/radiologic-technology/nuclear-medicine-coa/>)

## Dean

Carol Higashida, Phone (805) 378-1459

## **Nursing Coordinator**

Christina Lee, Phone (805) 378-1433

## **Faculty**

Robert Darwin, Armine Torabyan

## **Counselor**

Lydia Basmajian