

Metropolitan Community College **Penn Valley**

Student Information and Application Packet **2026**

Radiologic Technology Program





Thank you for your interest in the Radiologic Technology Program.

Metropolitan Community College Penn Valley is accredited by the Higher Learning Commission, 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604.

The Radiologic Technology Program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT); 20 N Wacker Drive, Ste. 2850, Chicago, IL 60606-3182. Any questions regarding our accreditation status may be addressed by contacting the JRCERT (www.jrcert.org, mail@jrcert.org).

Graduates of the program are eligible to take the national certification examination for radiologic technologists administered by the American Registry of Radiologic Technologists (ARRT). After successful completion of this exam, the individual will be a Registered Radiologic Technologist, RT(R). Most states also require licensure in order to practice. Some state licenses are based on ARRT Certification/ registered status. A criminal background may affect a graduate's ability to take the ARRT Certification Examination or attain state licensure.

The field of radiologic technology is exciting, diverse, and rewarding. Physicians rely on the expertise of radiologic technologists to produce diagnostic images of the human body. A variety of work settings are available such as hospitals, outpatient imaging centers, physician's offices, urgent care centers, clinics, and mobile radiography companies. Individuals who work in radiology may choose from several shift options: daytime, evenings, nights, weekends.

We encourage our program graduates to continue their education for enhanced upward mobility within the radiologic science field. Advanced imaging modalities include mammography, bone densitometry, computed tomography, magnetic resonance imaging, radiation therapy, nuclear medicine, sonography, interventional radiography, and vascular imaging, including angiography and cardiac catheterization.

During your academic experience, students will be exposed to a very hands-on and interactive learning environment that is both supportive and challenging. Students' education also includes clinical experience at various facilities which will involve direct patient contact and involvement with community professionals. Students should consider this responsibility both an opportunity and a requirement.

The Performance Standards included in this packet, should be used to assist each applicant and student to determine if they are otherwise qualified to be a radiologic technologist. It is the policy of MCC – Penn Valley to provide reasonable accommodations for individuals with disabilities. If you need an accommodation due to a disability under the Americans with Disabilities Act and Section 504 of the Rehabilitation Act, please contact the Disability Support Services (DSS)

Coordinator at 816-604-4293. Advance notice may be necessary for some accommodations to be provided in a timely manner. Accommodations must be supported by adequate documentation and are determined on an individualized basis.

Students should understand that while working in a health care setting, they may be exposed to blood and body fluids, however, the risk should be minimal if appropriate precautions and personal protective equipment are employed.

This packet includes all the information you will need to apply to the program. After reviewing this information, if you have more questions, please e-mail Radiologic.Technology@mcckc.edu

Good luck with your educational pursuit!

MCC-PV Radiologic Technology Program

Program history and mission statement:

- The radiologic technology program at MCC has been in continual operation since 1969.
- The Radiologic Technology Program of Metropolitan Community College- Penn Valley will prepare students for competent entry level service in the healthcare community of diagnostic radiologic technology and create opportunities for graduate success in the profession of radiologic technology.

Program philosophy:

- To be functional members of society and the healthcare community, the individual must demonstrate civic responsibility and self-confidence. The educational program embraces the liberal arts, with comprehensive radiographic instruction and coordinated clinical training. These three disciplines of study comprise the three primary components of the radiologic technology program.
- These components aid the student in achieving the attributes required by the profession and the community which it serves. Admission and successful completion of the program are determined by clearly defined objectives, regardless of race, color, and creed, national origin, or gender. Our ambition is to graduate compassionate individuals who care enough to exercise their minds, giving thought to their daily professional responsibilities, as well as to the world in which they live. The program will remain flexible enough to adjust to the changing needs of the profession and healthcare environment which it serves. Faculty will demonstrate, through their activities, the value of continued education and align the radiologic technology program such that its graduates can successfully matriculate to post graduate programs of radiologic technology.

Program goals and learning outcomes: Program graduates will:

- Be workforce ready, demonstrating competence in the entry level skills of the profession
 - Exhibit proper performance of radiographic procedures
 - Formulate appropriate technical factors
 - Apply appropriate radiation protection
- Communicate effectively and appropriately
 - Exhibit effective oral communication
 - Construct effective written communication
- Think critically and apply problem solving skills
 - Adapt standard procedure for non-routine patients
 - Evaluate radiographic images to determine diagnostic quality

Degree awarded upon graduation & professional certification:

- Associate Degree in Applied Science (AAS)
- Graduates eligible to take the national certification examination administered by the American Registry of Radiologic Technologists (ARRT)

Program length and class hours:

- Two years in length (24 months/semesters back-to-back)
- Classes are held M-F; Hours may include 8:00 A.M.-4:30 P.M.

Requirements for students accepted to the program (Not what is required to apply.)

- Receive a “C” grade or better in all coursework
- Students will be assigned to several different clinical facilities throughout the two- year program. Some of the clinical facilities are located outside of the KC metro area. ***Students may be required to travel over sixty miles, one way, for a clinical rotation.***
- Pass the Family Care and Safety Background Check (FCSR)
- Pass the Criminal Background Check (CBC). Note: Individuals with a record of a prior criminal offence are encouraged to confirm their eligibility status to sit for the National American Registry of Radiologic Technologists (ARRT) certification exam via an ethics review pre-application. Use the following link to access this resource on the ARRT Website:
<https://www.arrt.org/earn-arrt-credentials/requirements/ethics-requirements/ethics-review-preapplication>.
 - You are strongly encouraged to go through a pre-application review if you have faced:
 - Misdemeanor or felony charges or convictions
 - Military court-martial
 - Disciplinary actions taken by a state or federal regulatory authority or certification board
 - Serious honor code (academic) violations as described in our Rules of Ethics, such as patient abuse, violating patient confidentiality, and cheating.
- Pass a drug screening
- Pass a pre-clinical physical examination
- Obtain an annual TB test
- Obtain an annual flu vaccine
- Complete the Hepatitis B vaccination series or sign a waiver
- Submit evidence of MMR, varicella and tetanus vaccinations
- Maintain CPR certification (CPR for the health professional)

Answers to Frequently Asked Questions

- New RATE classes are only accepted once a year to begin the summer semester.
- The program does not utilize a waiting list of applicants.
- The following three prerequisites **must** be completed prior to applying to the program:

ENGL	101	Composition & Reading I
MATH	120	College algebra course (120 or higher preferred)
BIOL or HIM	150 100	Medical Terminology Medical Terminology

- All other prerequisites must be completed prior to the application deadline of February 15, 2026. Acceptance into the program is contingent upon successful completion with a C or better in the course(s) prior to the start of the summer semester.
- Science and math courses must have been taken within the last five years.
- Completion of the anatomy and physiology requirement, HLSC 108, BIOL 109 or Human Anatomy (BIOL 110) & Human Physiology (BIOL 210) prior to applying is strongly recommended.
- Students must have taken a placement test within the past three years and completed any required developmental course prior to applying to the program.
- The program does not have an evening, weekend, or online option.
- The program requires full-time attendance.
- The program is full time with classes and outside requirements occurring during daytime, weekday hours. Note- Students will be required to complete one week of evening shift clinical rotations in the second summer semester.
- Healthcare experience may include working in the healthcare field including medical assistant, phlebotomy, CNA, administrative or clerical roles, patient transport, support services, etc. These are just examples, there are many other aspects of the healthcare field that would also qualify. Additional options for healthcare experience could include volunteering at hospitals, clinics, or hospices, taking care of a family member with an illness, etc.
- Submit any questions you may have to radiologic.technology@mcckc.edu

Steps to Apply

1. Apply to Metropolitan Community College. Application to the college is free of charge. This must be done **before** you can have any transcripts submitted to MCC.
2. Submit college transcripts.
 - If students have previous college courses at an institution other than MCC, submit the transcripts to the MCC Student Data Center, 3200 Broadway, Kansas City, MO 64111. The Student Data Center will determine course equivalencies and post them to your MCC transcript. Please note that it may take a few weeks for transcripts to be sent and received. Therefore, do not wait too long to send transcripts, as they may not be received by the Feb 15 deadline and thus affect your application status.
 - Once all transcripts have been processed by MCC, **upload an MCC advising (unofficial) transcript to the radiologic technology program along with your application.** This transcript can be obtained through the academic advising office or accessed in your online student center.
3. Verify eligibility to apply to the program. Eligible applicants have a minimum cumulative GPA of 2.5 on a 4.0 scale. Eligible applicants must have completed the following prerequisites by the application deadline with a minimum grade of "C".
 - MATH 120 or a higher-level algebra course (must be taken within the past 5 years)
 - ENGL 101
 - BIOL 150 Medical Terminology or HIM 100 Medical Terminology
4. Achieve placement test minimum scores, if applicable, see page 8. ACT/SAT scores will be accepted in place of ACCUPLACER scores.
5. Complete a 4-hour job shadow in a radiology department. Shadow experiences must be completed within the past twelve months of the application deadline. A list of possible locations for shadow opportunities are available within this application along with the form students must take with them to the shadow. At the completion of the shadow experience the student must have an employee of the facility sign the form. This form must be submitted with the program application. More information regarding this job shadow can be found on page 9 of this document. The job shadowing form can be found on page 10 of this document.
6. Complete the online program student application form, <https://mcckc.edu/programs/radiologic-technology/apply.aspx>
 - To log on, use your mcc email in this format. For example, s123456@mcckc.edu (omit "student").
 - Use the online application to apply to MCC Penn Valley.
 - **DO NOT** include any additional materials such as letters of recommendation, cover letters, etc. with your program application. These will not be evaluated and will not positively impact your selection to the program.
 - No applicant files will be reviewed until after the February 15 deadline. Due to the large number of applicants, the program is unable to provide confirmation letters/ emails/ or phone calls as applications are received, and the file completed.

Placement Test Scores for Radiologic Technology

Take Accuplacer test or submit ACT/SAT placement scores. All applicants must have a current (less than three years old) ACT or ACCUPLACER reading score to be considered for the program if they have not completed ENGL 101 or MATH 120.

Subject	Score Required	Your Score	Required Classes
Algebra	237 (AAF)	If not a 237 in the Advance Algebra & Functions (AAF) level	
		*200 through 240	MATH 31 & MATH 95 <i>in that order</i>
		*241 through 300	MATH 95
		* Tested into Quantitative Reasoning, Algebra & Statistics (QAS) level	
		237 through 262 (AAF)	MATH 120
Reading	248	213 through 229	READ 10/30, READ 11/31, <i>in that order</i>
		230 through 247	READ 11/31, <i>in that order</i>
Writing	246	200 through 231	ENGL 28/80 & ENGL 30/90, <i>in that order</i>
		232 through 245	ENGL 30/90
		246 through 300	ENGL 101

If students have completed or tested out of ESL, they are expected to take and complete Read 100 with at least a “C” letter grade or scored 110 on the ESL reading section of ACCUPLACER test (less than three years old). These are the required scores and classes for each section:

ESL Placement Test Scores Table		
Reading	Language	Listening
110	106	86

*Advanced Placement (AP), International Baccalaureate (IB), College Level Examination Program (CLEP) is accepted for admission into the radiology program. See scale below to view grade for prerequisites GPA for AP, IB, and CLEP credit:

AP	IB	CLEP
5 = A	7 – 8 = A	58 – 80 = A
4 = B	5 – 6 = B	51 – 57 = B
3 = C	4 = C	50 – 56 = C

Job Shadow Requirement Information

Applicants of the MCC-PV Radiologic Technology program are required to participate in a job shadow experience in a radiology department. Students can job shadow at any hospital, imaging center, clinic, or urgent care they choose to. The RATE program does not require the job shadow to be completed at a specific location.

A job shadow allows students to observe first-hand what a radiologic technologist does in an actual radiology department. The student will gain a better understanding of the career and may begin to make connections between their talents, skills, and interests in the career. The job shadow experience will help students make viable educational and career choices.

Once students have scheduled their job shadow experience, they should ensure they arrive at least 5 minutes prior to the scheduled start time. Keep in mind this is a place of business, so make sure you always demonstrate quality employability skills and behavior. Students should make sure to ask about dress code, cell phone, and safety rules when scheduling the job shadow experience.

On the following page is the job shadow form for the RATE program. Students must print this form and take it with them to their job shadow experience. The form must be submitted in the application.

Below is a list of opportunities around the Kansas City metro area that can typically accommodate those wanting to shadow a radiology department.

- North Kansas City Hospital
 - <https://www.nkch.org/for-students/school-to-career/job-shadow-form>
- University of Kansas Medical Center
 - <https://www.kansashealthsystem.com/giving/ways-to-give/volunteer/clinical-shadow-experience>
- St. Luke's Hospital Network
 - <https://www.stlukes-stl.com/careers/job-shadowing>
- University Health (Formally Truman Medical Center)
 - <https://www.universityhealthkc.org/about-us/volunteer-services/request-to-shadow-or-observe/>
- Western Missouri Medical Center, Warrensburg, MO
 - <https://wmmc.com/job-shadow-programs/>
- Providence Medical Center in Kansas City, KS & St. John Hospital in Leavenworth, KS
 - Contact Tiffany Day at TDay@primehealthcare.com to schedule.
- University of Missouri Health Care in Columbia, MO
 - <https://careers.muhealth.org/us/en/job-shadow-program>
- Golden Valley Memorial Healthcare in Clinton, MO
 - Call the main hospital number ([660.885.5511](tel:660.885.5511)) and ask to speak with someone in Human Resources. HR will help you schedule the shadow experience.

MCC-PV Radiologic Technology Program Applicant Job Shadow Form

Student Name: _____ Date of Shadow: _____

Name of Facility: _____

Name of Shadow Supervisor: _____

The following questions are to be completed by the supervisor of the shadow experience.	Yes	No
Did the student arrive at the scheduled time?		
Did the student display appropriate behavior at the facility?		
Did the student ask appropriate questions related to the radiology field?		
Additional supervisor comments, if applicable:		

Shadow Supervisor Signature: _____

Please provide a short reflection of your job shadow experience.

Student Signature: _____

MCC Radiologic Technology Program Selection Criteria:

Prerequisites (check if completed)	Must be completed prior to applying to the program.
English 101	
MATH 120	
Medical Terminology BIOL 150 or HIM 100	

Radiography Curriculum Courses	A 2	B 1.5	C 1	Points	Notes
Math 120					
English 101					
Medical Terminology BIOL 150 or HIM 100					
HIST 120 or 121 or POLS 136					
COMM 100 or COMM 102					
PSYC 140					
HLSC 108, BIOL 109 or BIOL 110 & 210 (You will not receive additional points for taking these courses separately: 110 & 210)					
BIOL 110 & 210 will be worth ½ the points as the other courses. For example, if you receive an A in BIOL 110 and an A in BIOL 210, you will earn 1 point for 110 and 1 point for 210 for a total of 2 points.					
Total points for courses taken					Total:
Cumulative GPA	>3.5 1.6	>=3.0<3.5 1.4	>=2.5<3.0 1.2	Points Earned:	
Total points for cumulative GPA					
GPA for taking ≥9 credits per semester	>3.5 1.6	>=3.0<3.5 1.4	>=2.5<3.0 1.2	Points Earned:	
Total points for ≥ 9 credits per semester					
Attend job shadow experience & submit form					
Healthcare experience					
Previously applied to the program					
Total points					
Total course points					Total
GPA					
Total other awarded points					
Deduction of 5% for incomplete application					
Selection Points Total					

Explanation of MCC Radiologic Technology Program Selection Criteria:

Prerequisites (check if completed)	
English 101	
MATH 120	
Medical Terminology	
BIOL 150 or HIM 100	

Pre-requisites are checked, but not worth points.

Radiography Curriculum Courses	A 2	B 1.5	C 1	Points	Notes
Math 120					
English 101					
Medical Terminology					
BIOL 150 or HIM 100					
HIST 120 or 121 or POLS 136					
COMM 100 or COMM 102					
PSYC 140					
HLSC 108, BIOL 109 or BIOL 110 & 210 (You will not receive additional points for taking these courses separately: 110 & 210))					
BIOL 110 & 210 will be worth ½ the points as the other courses. For example, if you receive an A in BIOL 110 and an C in BIOL 210, you will earn 1 point for 110 and .5 point for 210 for a total of 1.5 points.					
Total points for courses taken					Total:
Cumulative GPA	>3.5 1.6	>=3.0<3.5 1.4	>=2.5<3.0 1.2	Points Earned:	
Total points for cumulative GPA					
GPA for taking ≥9 credits per semester	>3.5 1.6	>=3.0<3.5 1.4	>=2.5<3.0 1.2		
Total points for ≥ 9 credits in a semester					
Other Awarded Points	1	0	Total		
Attend job shadow experience and submit form					
Healthcare experience					
Previously applied to the program					
Total points					
Total course points					Total
GPA					
Total other awarded points					
Deduction of 5% for incomplete application					
Selection Points Total					

We look at your earned grades in these classes and awards are based on your grades earned. A's=2, B's=1.5, and C's=1. Anything below a C is not awarded points. These grades include classes completed by the end of the semester before you apply to the program. Classes currently in progress during the semester of application are not eligible for points.

We include overall college GPA.

Additional points will be awarded to students that take more than 9 credits in a single semester in the past year. The *most recent semester* with 9 credits will be used for the calculation.

One point will be awarded for the job shadowing experience. One point will be awarded for healthcare experience and if a student has previously applied to the program.

All points are added together. There will be a 5% deduction of overall points for incomplete applications.

Information About Radiologic Technology Application

- Qualified applicants must:
 - Possess a high school diploma or GED certificate.
 - Have a cumulative GPA of at least 2.5 for all college coursework.
 - Have completed or be enrolled in prerequisite courses.
 - Have taken a placement test and achieved the minimum scores within the past three years.
 - Attend a job shadow experience in a radiology department and submit the form.
- **DO NOT** include any additional materials such as letters of recommendation, cover letters, etc. with your program application. These will not be evaluated and will not positively impact your selection to the program.
- Student applications will not be reviewed until after the February 15 date. Due to the large number of applicants, the program is unable to provide confirmation letters/emails/or phone calls as applications are received, and the file completed.
- This college does not discriminate on the basis of race, color, national origin, sex, age or disability in admission or access to or treatment of employment in its programs and activities. MCC provides a range of services to allow persons with disabilities to participate in the educational programs and activities. If you desire support services for the application process or coursework, contact the Disability Support Services (DSS) Coordinator, 816-604- 4293.
- If students desire academic advising, please connect with your personal MCC Advisor or visit any MCC Student Enrollment Center to speak to an Advisor.
- Applicant selection is based on metrics determined by:
 - Academic performance, including but not limited to the number of general education and prerequisite courses completed and grade performance in each course.
 - Attending a job shadow experience in a radiology department and submit the form.
 - Documentation of prior health care experience.
 - See selection criteria for specific metrics.

Metropolitan Community College - Penn Valley
Radiologic Technology Curriculum - Sample

Dept	Course #	Course Title	Credit hours
PROGRAM PREREQUISITES			
ENGL	101	Composition & Reading I	3
MATH	120	College algebra course (120 or higher preferred)	3
BIOL or HIM	150 100	Medical Terminology Medical Terminology	2-3
TOTAL			8-9
FIRST SUMMER SEMESTER			
HLSC	108	Anatomy & Physiology for Health Professions or	4-10
BIOL	109	Anatomy & Physiology or	
BIOL	110 & 210	Human Anatomy and Human Physiology (preferred)	
PSYC	140	General Psychology	3
RATE	160	Fundamentals of Radiologic Technology	2
TOTAL			9-15
FIRST FALL SEMESTER			
RATE	165	Patient Care	3
RATE	186	Radiation Physics & Equipment	2.5
RATE	172	Radiographic Procedures I	5
RATE	187	Clinical I	3
TOTAL			13.5
FIRST SPRING SEMESTER			
		HIST 120 OR HIST 121 OR POLS 136 (choose one)	3
RATE	188	Clinical Practice II	4
RATE	176	Radiographic Procedures II	5
RATE	171	Principles of Radiographic Imaging	2
TOTAL			14
SECOND SUMMER SEMESTER			
RATE	189	Clinical Practice III	4
TOTAL			4
SECOND FALL SEMESTER			
COMM	100	Fundamentals of Speech	3
RATE	273	Digital Image Acquisition	2
RATE	271	Clinical Practice IV	6
RATE	274	Cross Sectional Anatomy	1.5
TOTAL			12.5
SECOND SPRING SEMESTER			
RATE	278	Radiographic Pathology	1
RATE	270	Radiation Biology and Protection	2.5
RATE	272	Clinical Practice V	6
RATE	283	Final Seminar	2
TOTAL			12.5
*Any courses numbered 100 or above from the following disciplines: BIOL, CHEM, GEOG(except 104 & 110) GEOL, MATH, PHYS			3-6
PROGRAM TOTAL			75.5-85.5

Metropolitan Community College - Penn Valley

Radiologic Technology Curriculum Checklist – Sample

Student Name _____

MCC Student ID# _____

Cumulative GPA (including **ALL** college coursework) _____

Dept.	Course #	Course Title	Credit Hours	Date Completed	Grade
PROGRAM PREREQUISITES					
BIOL or HIM	150	Medical Terminology	2		
	100	Medical Terminology	3		
ENGL	101	Composition & Reading I	3		
MATH	120	College Algebra course (120 or higher preferred)	3		
FIRST SUMMER SEMESTER					
HLSC	108	Anatomy & Physiology for Health Professions or	4		
BIOL	109	Anatomy & Physiology or	6		
BIOL	110 & 210	Human Anatomy and Human Physiology	10		
PSYC	140	General Psychology	3		
RATE	160	Fundamentals of Radiologic Technology	2		
FIRST FALL SEMESTER					
RATE	165	Patient Care	3		
RATE	186	Radiation Physics	2.5		
RATE	172	Radiographic Procedures I	3		
RATE	187	Clinical I	3		
FIRST SPRING SEMESTER					
		HIST 120 OR HIST 121 OR POLS 136 (choose one)	3		
RATE	188	Clinical Practice II	4		
RATE	176	Radiographic Procedures II	5		
RATE	171	Principles of Radiographic Imaging	2		
SECOND SUMMER SEMESTER					
RATE	189	Clinical Practice III	4		
SECOND FALL SEMESTER					
COMM	100	Fundamentals of Speech	3		
RATE	274	Cross Sectional Anatomy	3		
RATE	273	Digital Image Acquisition	2		
RATE	271	Clinical Practice IV	6		
SECOND SPRING SEMESTER					
RATE	278	Radiographic Pathology	2		
RATE	270	Radiation Biology and Protection	2.5		
RATE	272	Clinical Practice V	6		
RATE	283	Final Seminar	2		
		General Education:			
		Any courses numbered 100 or above from the following disciplines: BIOL, CHEM, GEOG(except 104 & 110) GEOL, MATH, PHYS	3-6		

Approximate Fees and Expenses
(Subject to change) Based on a total of 76 credit hours:

Tuition	RATE AAS-76 cr. hr.
In District: \$121.00 per credit hr.	\$9,196
Out of District: \$237.00 per credit hr.	\$18,012
Out of State: \$320.00 per credit hr.	\$24,320

Program Fees	RATE AAS
Textbooks – Used/New	\$600-\$800
CBC/ FCSR/ Drug Screen/ Document services	\$145
Immunizations	Cost will vary
Trajecsyst (one-time fee)	\$150.00

Approximate Cost*

Total Approximate Cost of the Radiologic Technology Program (In District): AAS= \$10, 272

Financial Aid and Scholarships are available contact the **Financial Aid Office** for more information at 816-604-1000.