# Metropolitan Community College

# Penn Valley

## Student Information and Application Packet

## 2025

## Radiologic Technology Program

Metropolitan Community College
Penn Valley

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 career 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, you will be exposed to a very hands-on and interactive learning environment that is both supportive and challenging. Your education also includes clinical experience at varying 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 Radiologic Technology Program

Program established:

- The radiologic technology program at MCC has been in continual operation since 1969.

Program mission statement:

- 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:

- Associate Degree in Applied Science (AAS)

Professional Certification:

- Graduates eligible to take the National Certification Examination administered by the American Registry of Radiologic Technologists (ARRT)

Program Length:

- Two years in length (24 months/semesters back-to-back)

Class Hours:

- Classes are held M-F; Hours may include 8:00 A.M.-4:30 P.M.

## Requirements for admitted students (not 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 courts-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.
- All prerequisites must be completed prior or in progress to the application deadline of February 15, 2025. 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 at least four hours of job shadowing in a radiology department, taking care of a family member with an illness, working in healthcare, etc.
- Submit any questions you may have to radiologic.technology@mcckc.edu

## Steps to Apply

1. Apply to Metropolitan Community College. To apply is free of charge. This must be done **before** you can have any transcripts submitted to MCC.

2. Submit college transcripts.
    - If you have previous college courses at an institution other that 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. 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 student center.

3. Verify eligibility to apply to the program. Eligible applicants have a minimum cumulative GPA of 2.5. Eligible applicants must have completed or be enrolled in the following prerequisites by the application deadline. Prerequisites must be completed prior to the start of classes in the Summer semester and acceptance is contingent upon successful completion 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, page 10. ACT/SAT scores will be accepted in place of ACCUPLACER scores.

5. Complete a radiology in-class observation. Observations must be within the past six months of the application deadline. Observation opportunities are available in the MCC Health Science Institute (3444 Broadway Blvd., Kansas City, MO) during normal class hours 8:00am-4:30pm. To secure a date and time for an observation contact Radiologic.Technology@mcckc.edu . Note: On the day of your scheduled observation, please arrive 15 minutes early to 110A. At the completion of the observation have the instructor sign the form. This form must be submitted with the program application.

6. Complete the online program student application form, https://mcckc.edu/programs/radiologic-technology/apply.aspx

    - To logon, 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.

7. Applicant selection is based on metrics determined by:
    - Academic performance, including but not limited to the number of prerequisite courses completed and grade performance in each course.
    - Attending a radiography program class lecture or laboratory session.
    - Documentation of prior health care experience.

## 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 in order to be consider 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 ***in that order*** |
| | | ***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, ***in that order*** |
| | | **230** through **247** | READ 11/31, ***in that order*** |
| **Writing** | **246** | **200** through **231** | ENGL 28/80 & ENGL 30/90, ***in that order*** |
| | | **232** through **245** | ENGL 30/90 |
| | | **246** through **300** | ENGL 101 |

If you have completed or tested out of ESL, you 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 |

# MCC Radiography Selection Criteria:

| **Prerequisites** (check if completed) | |
|---|---|
| English 101 | |
| MATH 120 | |
| Medical Terminology<br>BIOL 150 or HIM 100 | |

| **Radiography Curriculum Courses** | **A**<br>**2** | **B**<br>**1.5** | **C**<br>**1** | **Points** | **Notes** |
|---|---|---|---|---|---|
| Math 120 | | | | | |
| English 101 | | | | | |
| Medical Terminology<br>BIOL 150 or HIM 100 | | | | | |
| HIST 120 or 121 or POLS 136 | | | | | |
| COMM 100 or COMM 102 | | | | | |
| PSYC 140 | | | | | |
| HLSC 108, BIOL 109 or<br>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**<br>**1.6** | **>=3.0<3.5**<br>**1.4** | **>=2.5<3.0**<br>**1.2** | **Points Earned:** |
|---|---|---|---|---|
| Total points for cumulative GPA | | | | |
| **GPA for taking ≥9 credits per semester** | **>3.5**<br>**1.6** | **>=3.0<3.5**<br>**1.4** | **>=2.5<3.0**<br>**1.2** | **Points Earned:** |
| Total points for ≥ 9 credits per semester | | | | |
| Attend in-class observation | | | | |
| 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 | |

# MCC Radiography Selection Criteria:

| **Prerequisites** (check if completed) | |
|---|---|
| English 101 | |
| MATH 120 | |
| Medical Terminology<br>BIOL 150 or HIM 100 | |

Pre-requisites are checked, but not worth points.

| **Radiography Curriculum Courses** | **A**<br>**2** | **B**<br>**1.5** | **C**<br>**1** | **Points** | **Notes** |
|---|---|---|---|---|---|
| Math 120 | | | | | |
| English 101 | | | | | |
| Medical Terminology<br>BIOL 150 or HIM 100 | | | | | |
| HIST 120 or 121 or POLS 136 | | | | | |
| COMM 100 or COMM 102 | | | | | |
| PSYC 140 | | | | | |
| HLSC 108, BIOL 109 or<br>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:** |

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.

| **Cumulative GPA** | **>3.5**<br>**1.6** | **>=3.0<3.5**<br>**1.4** | **>=2.5<3.0**<br>**1.2** | **Points Earned:** |
|---|---|---|---|---|
| Total points for cumulative GPA | | | | |

We include overall college GPA.

| **GPA for taking ≥9 credits per semester** | **>3.5**<br>**1.6** | **>=3.0<3.5**<br>**1.4** | **>=2.5<3.0**<br>**1.2** |
|---|---|---|---|
| Total points for ≥ 9 credits in a semester | | | |

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.

| **Other Awarded Points** | **1** | **0** | **Total** |
|---|---|---|---|
| Attend in-class observation | | | |
| Healthcare experience | | | |
| Previously applied to the program | | | |
| Total points | | | |

One point will be awarded for attending an in-class observation. One point will be awarded for healthcare experience and if a student has previously applied to the program.

| **Total course points** | **Total** |
|---|---|
| GPA | |
| Total other awarded points | |
| Deduction of 5% for incomplete application | |
| Selection Points Total | |

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

## Information about your 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 with in the past three years.
  - Attend a radiography class or laboratory session.

- **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 you desire academic advising, please connect with your personal Academic Advisor or visit any MCC Student Enrollment Center to speak to an Academic 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 radiography program class lecture or laboratory session.
  - Documentation of prior health care experience.
  - See selection criteria for specific metrics.

# Metropolitan Community College - Penn Valley
# Radiologic Technology Curriculum

| 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<br>100 | Medical Terminology<br>Medical Terminology | 2-3 |
| | | ***TOTAL*** | ***8-9*** |
| | | FIRST SUMMER SEMESTER | |
| HLSC<br>BIOL<br>BIOL | 108<br>109<br>110 & 210 | Anatomy & Physiology for Health Professions **or**<br>Anatomy & Physiology **or**<br>Human Anatomy and Human Physiology (preferred) | 4-10 |
| 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 | 3 |
| | | ***TOTAL*** | ***14*** |
| | | 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 |
| | | ***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** | | | **78-88** |

**Metropolitan Community College - Penn Valley**
**Radiologic Technology Curriculum Checklist**

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<br>100 | Medical Terminology<br>Medical Terminology | 2<br>3 | | |
| ENGL | 101 | Composition & Reading I | 3 | | |
| MATH | 120 | College Algebra course (120 or higher preferred) | 3 | | |
| FIRST SUMMER SEMESTER | | | | | |
| HLSC<br>BIOL<br>BIOL<br>PSYC | 108<br>109<br>110 & 210<br>140 | Anatomy & Physiology for Health Professions **or**<br>Anatomy & Physiology **or**<br>Human Anatomy and Human Physiology<br>General Psychology | 4<br>6<br>10<br>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:<br>$121.00 per credit hr. | $9,196 |
| Out of District:<br>$237.00 per credit hr. | $18,012 |
| Out of State:<br>$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 |
| Trajecsys (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.