



MEDICAL IMAGING PROGRAM





OUR MISSION

Reading Hospital **MISSION STATEMENT**

The mission of Reading Hospital is to provide compassionate, accessible, high quality, cost effective healthcare to the community; to promote health; to educate healthcare professionals; and to participate in appropriate clinical research.

Reading Hospital School of Health Sciences **MISSION STATEMENT**

The mission of Reading Hospital School of Health Sciences is to provide educational programs that develop competent and compassionate professionals capable of providing high-quality healthcare services to individuals, families, and communities.

Medical Imaging Program **MISSION STATEMENT**

The mission of the Medical Imaging Program is to develop competent, entry-level Radiologic Technologists who consistently provide appropriate, high quality imaging services to individuals, families, and communities; who do so in a professional, compassionate, and ethical manner; and who embrace ongoing professional development.



Thank you for inquiring about the Medical Imaging Program offered by Reading Hospital School of Health Sciences. This brochure is designed to provide information about this educational opportunity.

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POWERFUL COMMITMENTS
EXCEPTIONAL PROGRAMS
OPPORTUNITIES FOR A LIFETIME

GREETINGS FROM THE SCHOOL DIRECTOR



Welcome to Reading Hospital School of Health Sciences, home to excellent educational programs designed to develop competent and compassionate healthcare professionals. On behalf of the faculty, staff, and students in the school, I would like to thank you for your interest in our educational programs.

As hospital-based programs, we are committed to preparing individuals like you to become skilled professionals in a career such as Diagnostic Medical Sonography, Emergency Medical Services (EMT through Paramedic), Medical Laboratory Science, Medical Imaging, Nursing, Phlebotomy, or Surgical

Technology. Our experienced classroom and clinical faculty is known for their dedication to helping individuals achieve success, and are committed to providing classroom, laboratory, simulation, and clinical experiences that support excellence in teaching and learning.

RHSHS provides:

High quality, affordable education...

A starting path to a bachelor's degree...

Your pathway to an exciting career in healthcare.

This is your chance to make a difference and become a respected member of a healthcare profession. Our faculty, staff, and administrators are happy to meet students, families, alumni, or other visitors, and I hope to see you on campus soon.

Sincerely,

Dr. Debbie J. Rahn

WELCOME

Welcome! The Medical Imaging Program at Reading Hospital School of Health Sciences is a nationally accredited educational program that offers students exceptional classroom and clinical experiences in preparation for an exciting career in imaging. Established in 1946, the program has educated women and men who have continued to serve in every field of radiologic imaging, both here at Reading Hospital and in locations across the nation.

A Rewarding Career

The fast-paced, ever-changing profession of radiography allows imaging professionals to utilize technical, scientific, and interpersonal skills when providing compassionate radiologic care for their patients. Through the performance of high-quality radiologic exams, radiographers play an integral role in assisting their patients' achievement of health. A great deal of personal and professional satisfaction can be realized as this information, critical for the diagnosis and treatment of disease, is acquired.

To begin an exciting career in Radiologic Technology, apply to the Medical Imaging Program at Reading Hospital School of Health and Sciences.

Reading Hospital School of Health Sciences operates without distinction to age, race, color, religion, gender, disability, sexual orientation, national origin, or economic means.

MEDICAL IMAGING PROGRAM

PROGRAM LEARNING GOALS AND STUDENT LEARNING OUTCOMES

- G1.** At the completion of the Medical Imaging Program, the student will demonstrate clinical competence.
- G1; SLO1: Produce high quality diagnostic medical images.
 - G1; SLO2: Employ safety practices pertinent to medical imaging.
- G2.** At the completion of the Medical Imaging Program, the student will utilize effective communication skills appropriate to the healthcare environment.
- G2; SLO3: Appropriately demonstrate oral communication.
- G3.** At the completion of the Medical Imaging Program, the student will employ critical thinking and problem-solving skills during professional practice.
- G3; SLO4: Adapt to changing patient needs during performance of radiographic procedures.
 - G3; SLO5: Implement corrective actions as needed to improve image quality.
- G4.** At the completion of the Medical Imaging Program, the student will embrace ethical, professional performance.
- G4; SLO6: Deliver compassionate care employing ethical and professional values.
 - G4; SLO7: Investigate a variety of opportunities for professional growth.

OUR PHILOSOPHY

Reading Hospital School Of Health Sciences PHILOSOPHY

The Reading Hospital School of Health Sciences aims to challenge students with educational experiences that enhance understanding of their discipline, reinforces the critical nature of interdisciplinary practice in healthcare, and inculcates the value of life-long learning. We seek to build a collegial alliance of faculty, students, staff, and administration committed to providing course work, resources, activities, and instructional facilities that support excellence in teaching and learning.

We believe that a strong educational foundation helps students to integrate learning and community interests, and prepares them for success in their major fields of study and professional life. All programs of study at the School encourage the examination of fundamental questions of human experiences and respectful dialogue in the context of diverse points of view.

The faculty is also responsible for developing academic policies and the design and content of the program curriculum. The faculty, through its teaching, scholarship, and service, is the most visible example of the intellectual life of the School.

We seek students of diverse cultures, talents, experience, and interests who seek to excel both as persons and in the study of a healthcare related profession.

We seek students who are able to assume responsibility for their academic success, a quality that anticipates the accountability and ethical demands of professional practice.

The members of our administrative leadership and academic support services are dedicated to the success of our teaching and learning endeavor. They are charged with fostering strategic planning, institutional assessment, and effective stewardship of School resources. They support the development of organized School activities that provide opportunities for community engagement and foster development of leadership skills.



Medical Imaging Program

PHILOSOPHY

The Medical Imaging Program is committed to helping students view themselves as integral members of a healthcare team whose function is to collectively provide the highest quality patient care achievable. The academic and clinical curricula of the Medical Imaging Program are purposefully designed to educate entry-level practitioners who are well prepared to provide compassionate, ethical, and evidence-based patient care when delivering medical imaging services. Students learn to meet the total needs of the patient, with emphasis placed upon the core values of the Medical Imaging Program (compassion, integrity, precision, accountability, and respect) as well as the Franciscan tradition at Alvernia University (service, humility, peacemaking, contemplation, and collegiality).

ACCREDITATION

The Reading Hospital School of Health Sciences Medical Imaging Program is accredited by The Joint Review Committee on Education in Radiologic Technology (JRCERT). The Program's current standing with JRCERT is **ACCREDITED; 8-year accreditation award** (maximum award achievable). (JRCERT: 312-704-5300; www.jrcert.org).

Program Effectiveness Data (PED) is accessible at <https://reading.towerhealth.org/app/files/public/974bc3f7-c899-4caa-9fb0-7788f638fb34/MIP-Program-Effectiveness-Data.pdf> as well as the JRCERT website: <https://www.jrcert.org/resources/program-effectiveness-data>.

Reading Hospital is accredited by the Joint Commission, and is approved and licensed by the Department of Health of the Commonwealth of Pennsylvania.

ARRT National Registry Examination

The Program at Reading Hospital School of Health Sciences delivers an academic curriculum designed to facilitate a student's mastery of imaging fundamentals. The core curriculum fully covers information necessary for graduates to work in entry-level radiography positions.

Program graduates are eligible to make application to take the national examination administered by the American Registry of Radiologic Technologists (ARRT). A passing score on this challenging exam earns the examinee the privilege of registered status. "An ARRT certificate confers upon its holder the right to use the title 'Registered Technologist' and its abbreviation 'RT (ARRT)' in connection with his or her name as long as the registration of the certificate is in effect." (reference: www.rrt.org, Designation Awarded).

Please note: Per ARRT guidelines, individuals who have been convicted of a felony or misdemeanor may have violated the American Registry of Radiologic Technologists Code of Ethics, and may be considered ineligible to sit for national board examinations. Individuals with questions regarding their eligibility are encouraged to submit a pre-application form to the ARRT before entering into an approved educational Program. This form may also be submitted after an individual has been enrolled. Requests for pre-application forms must be presented directly to the ARRT: 651-687-0048.

Reading Hospital School of Health Sciences requires a criminal background check, FBI fingerprint check, and child abuse clearance prior to admitting students to its educational Programs. To ensure compliance with federal and state healthcare regulations, students must be screened through a National Healthcare Fraud and Abuse History Check process prior to admission and monthly during enrollment. A Pennsylvania State Police Request for Criminal Record Check, FBI Fingerprint Check, National Healthcare Fraud and Abuse Check, and Pennsylvania Child Abuse History Clearance must be completed and forwarded directly to the School of Health Sciences Admissions Department. The student is responsible for all fees associated with this requirement.

READING HOSPITAL SCHOOL OF HEALTH SCIENCES MEDICAL IMAGING PROGRAM **OVERVIEW**

- The Medical Imaging Program offered by Reading Hospital School of Health Sciences is a hospital-based certificate program in radiography and a dual enrollment affiliation with Alvernia University. The 27-month curriculum is broken down into two major components: professional education and general education. Both of these components must be fully satisfied in order for students to advance, graduate, and receive a certificate of completion from Reading Hospital School of Health Sciences Medical Imaging Program.
- Combining classroom and clinical experiences, the 27-month certificate program prepares graduates for entry-level employment as diagnostic radiographers in a variety of radiologic healthcare settings. The curriculum evolves from the concepts of normal anatomy to abnormal pathology, and from simple to complex theory. Coursework requirements include, but are not limited to, the professional curriculum established for entry-level radiographers by the American Society of Radiologic Technologists (reference: www.asrt.org). The curriculum is also designed to foster professional and ethical values, instill a desire for lifelong learning, and promote development of critical thinking and problem-solving skills.

Clinical experience takes place within the Department of Radiology and satellite imaging centers of Reading Hospital. This expansive department provides students many opportunities to develop the skills necessary to work competently in a diagnostic radiology department upon graduation. During the 27-month educational program, multiple clinical rotations are scheduled in the following areas, and will allow students the supervised, hands-on experience necessary to continually refine their imaging skills.

- General Radiology
 - Abdominal
 - Extremity
 - Fluoroscopy
 - Geriatric
 - Head and Neck
 - Mobile (Portable)
 - Outpatient Imaging Facilities
 - Pediatric
 - Pelvic
 - Spinal
 - Surgical
 - Thoracic
 - Trauma
 - Urography

- The program admits a new class every January; class size is limited to 20 students per year.
- Classes and clinical experiences are scheduled to run Monday through Friday. While educational experiences may be scheduled between the hours of 7 a.m. and 9 p.m., the vast majority of educational experiences are scheduled between the hours of 7:30 a.m. and 4 p.m.

Due to the limitations presented by competency requirements and procedure scheduling, the program does not offer part-time or evening educational sessions. Advanced placement is not offered to any student due to the absence of standardized curriculum sequencing in radiography programs.

ARRT Certification Eligibility

- Eligibility requirements for the national certification examination administered by the American Registry of Radiologic Technologists (ARRT) are twofold:
 1. Candidates pursuing primary pathway certification in Radiography must have, within the past three years, successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT.
 - *Reading Hospital School of Health Sciences Medical Imaging Program meets this requirement.*
 2. All candidates for primary pathway certification must have earned an academic degree before becoming certified.
 - *Completion of Alvernia University's Associate Degree program in Medical Imaging meets this requirement.*

Reference: <https://www.arrt.org/certification>

- Dual Enrollment Affiliation with Alvernia University
 - For the purpose of assisting students to satisfy the academic degree requirement, Reading Hospital School of Health Sciences has entered into an affiliation agreement with Alvernia University. Through a dual-enrollment agreement, students who enroll in the hospital-based Medical Imaging Program offered at Reading Hospital School of Health Sciences will simultaneously enroll in Alvernia University's Associate of Science in Medical Imaging degree program. Dually enrolled students who successfully complete all aspects of Reading Hospital School of Health Sciences Medical Imaging curriculum are eligible to graduate with two awards, each conferred by their respective institution:
 - A certificate of completion in Medical Imaging from Reading Hospital School of Health Sciences and
 - An Associate of Science in Medical Imaging from Alvernia University.

Dually enrolled students must remain aware of the need to meet all requirements of both programs: Reading Hospital School of Health Sciences Medical Imaging Program and that offered by Alvernia University, as they are two separate entities. The expectations of both institutions must be fully satisfied in order for dually enrolled students to achieve eligibility to take the national credentialing examination.

Complete Credit Breakdown
49 Medical Imaging credits
29 Liberal Arts Core credits
Total: 78 credits

Credit Hours

Credit assigned to medical imaging courses does not constitute "college credit" and does not imply medical imaging courses earn the equivalent of college credit. The term "credit" assigned to medical imaging courses is for grading and/or financial aid purposes only. Only an authorized degree-granting institution in which a student enrolls may determine whether the completed medical imaging course may be accepted for "college credit." It does not refer to academic credits or to the awarding of college credit and degrees.

The Medical Imaging Program defines a credit hour as: a unit of measure that places a value to the level of instruction and time requirements for a medical imaging or general education course. The Medical Imaging Program is responsible for determining the credit hours awarded for all courses offered in the medical imaging program of study.

- **Medical Imaging Courses:** The credit to contact hour of 1:1 in classroom instruction (lecture) and 1:5 in clinical experience/laboratory (clinical) is utilized to determine credit hours for medical imaging courses. A ratio of 1:15 for classroom theory hours (15 hours of lecture = 1 credit hour) and 1:75 for skills/clinical laboratory experience (75 hours of clinical = 1 credit hour).
- **General Education Courses:** The credit to contact hour of 1:1 in classroom instruction (lecture) and 1:2 in laboratory is utilized to determine credit hours for general education courses delivered by Alvernia University. A ratio of 1:15 for classroom instruction (15 hours of classroom instruction = 1 credit hour) and 1:30 for laboratory experience (30 hours of laboratory experience = 1 credit hour).

All applications for admission into the Medical Imaging Dual Enrollment Program should be submitted to Reading Hospital School of Health Sciences.

ADMISSION INFORMATION

The Office of Admissions is committed to addressing future students needs, whether the applicant is a first-time student or a working adult seeking a new career. Staff members are eager to assist future students throughout the admissions process—from the first inquiry to preparation to attend orientation prior to the start of the admission class.

We offer the following admission activities on campus:

- Program Discovery Events
- Admission Visits and Tours
- Shadow Program

Please note: During the COVID-19 pandemic and until further notice, Shadowing is on hold. At this time, the Admissions Committee is requesting that applicants who have not had the opportunity to shadow in the field of Radiologic Technology to please read the online resource materials at <https://www.asrt.org/radcademy/home> and submit a short essay. The written essay should be minimum 250 words, double spaced, and describe the profession of a Radiologic Technologist and their role in the healthcare environment. When Shadowing resumes, participants will be required to show proof of being fully vaccinated for COVID-19, as defined by the CDC, prior to the experience.

Procedure

Admission is competitive with specific academic standards. Selection of students will be based on personal composition, academic ability, references, interview performance, aptitude tests, writing samples, and previous healthcare experience according to program-specific requirements. The School reserves the right to deny admission or readmission or to revoke admission to any applicant if, in the opinion of the School, his/her admission is not in the best interest of the student or the School.

The Medical Imaging Program admits new classes every January. The completed application deadline for spring admission is April 15 or when qualified student capacity has been reached. Reading Hospital School of Health Sciences operates without distinction to age, race, color, religion, gender, disability, sexual orientation, national origin, or economic means.

General Admissions Procedures

1. Overview of Criteria

- Applicants must be citizens of the United States or provide documentation of permanent residency or working status.
- All applicants must have a high school diploma or state-authorized examination (e.g., General Educational Development Certificate (GED), High School Equivalency Test (HiSET), and the Test Assessing Secondary

Completion (TASC).) Home-schooled students must have a diploma from an accredited home school association, or have met requirements for the GED or other state-authorized examination. The School does not admit applicants based upon the ability-to-benefit testing process.

- Applicants may be required to take post-secondary coursework to meet the academic requirements of the individual programs.
- Cumulative grade point average (GPA) of 2.8 or greater in high school or post-secondary coursework is required for all applicants and candidates for admission consideration. The most recent post-secondary GPA will be used in the admission decision.
- Applicants may be required to submit scores from the Scholastic Aptitude Test (SAT) administered by the College Entrance Examination Board or the American College Testing Assessment Program (ACT).
- Applicants must submit two reference forms from teachers, guidance counselors, employers, supervisors, or others. Healthcare professionals must submit one reference from the current or most recent healthcare employer.

2. Technical Standards for All Applicants

Successful completion of a School of Health Sciences program necessitates mental and physical health essential to meet the objectives of the curriculum, as well as other skills necessary for success in the classroom and clinical components of the Program. Based on these criteria, applicants must:

- be able to read, write, and speak the English language, and communicate in an understandable manner,
- possess the emotional health necessary to fulfill the educational requirements of the Program,
- demonstrate a history of personal integrity, compassion, motivation, and the ability to function in stressful situations,
- be able to walk, stand, move, and sit for long periods of time,
- possess auditory, visual, and tactile abilities sufficient to assess and monitor health needs and provide safe care, and
- possess interpersonal abilities sufficient to interact with individuals with various backgrounds.

In programs requiring physical skill and dexterity:

- be able to lift and move patients and equipment, and
- have fine motor movement to complete tasks in a safe and effective manner.

The School makes every effort to accommodate students and applicants with disabilities. Any applicant with a documented disability can request special accommodations by notifying the Admissions Office in writing at the time of application.

3. Pre-Admission Information

All materials that are submitted to the Admissions Office become the property of the School of Health Sciences and cannot be returned or forwarded unless the applicant makes a formal request in writing to the School.

Any misrepresentation or omission of facts or essential documents during the application process and/or after acceptance into the Program will result in a delay, denial, or revocation of admission. As deemed appropriate, the Admissions Committee reserves the right to waive admission requirements after reviewing an applicant's completed record.

All applications must be completed by the deadline described under the program-specific requirements. A completed application file must contain:

- a completed application and an application fee,
- proof of permanent residency or working status, if applicable,
- an official high school transcript or GED,
- all official post-secondary transcripts, if applicable,
- a copy of Practical Nursing license, if applicable,
- essay, if applicable,
- aptitude test scores, as required, and
- two references.

Additional Requirements for Foreign-Educated Students

The School is not approved to issue or accept student visas. Applicants must show proof of permanent residency or working status.

Test of English as a Foreign Language (TOEFL), administered by the Educational Testing Service (ETS), Princeton, New Jersey, may be required for applicants educated outside the United States or whose preferred language is not English, including those transferring from English-speaking colleges and universities.

The School may require the following documentation to determine eligibility for admission:

- Satisfactory score on TOEFL. Testing must have occurred within two years of the application submission.
- An evaluation of foreign transcripts by the World Education Service (WES) or other approved agency is required.
- Certificate of Preliminary Education (CPE) from the Department of Education.
- General Education Development (GED).
- General Report from the Commission on Graduate Foreign Nursing Schools (CGFNS).
- Evidence of completion of required high school or post-secondary

coursework.

- TOEFL Essentials scores will be considered on an individual basis. TOEFL* paper-based score of 560 or internet-based score of 83 (*if applicable).

In addition to the general admissions procedures, all applicants must fulfill Program-specific requirements described below.

The Medical Imaging Program admits new classes every January. The completed application deadline for spring admission is April 15 or when qualified student capacity has been reached.

Admission into the Program is highly competitive. For this reason, the Admissions Committee operates in accordance with a selective admission process, which means the best-qualified applicants each year receive consideration for admission.

- The Admissions Committee strongly suggests that applicants complete their file well in advance of the April 15 application deadline.
- Formal admission interviews are required.
- The committee may require an applicant to shadow in the field of Radiologic Technology before granting an interview or admission to the program.
- A numerical evaluation system is used during the admissions process to objectively determine the suitability of each candidate. Final selection is the responsibility of the Program's Admissions Committee.
- Typically, candidates will be notified of acceptance by August 15 for spring enrollment. Final acceptance into the Medical Imaging program requires that all post-acceptance requirements be completed according to the established deadlines. Failure to comply will result in forfeiture of enrollment; admission seat will be awarded to the next qualified candidate interested in enrollment.
- The Medical Imaging Program does not offer deferment of admission. Applicants who experience a change in personal circumstances which warrants a delay in admission are encouraged to reapply.

Minimum Admission Requirements

To be considered for admission, all applicants must have a minimum GPA of 2.8 or higher and must include the following:

- A high school diploma or state-authorized examination (e.g., General Educational Development Certificate (GED), High School Equivalency Test (HiSET), and the Test Assessing Secondary Completion (TASC). Home-schooled students must have a diploma from an accredited home school association, or have met requirements for the GED or other state-authorized examination.

- An earned grade of “C” or better in the subjects and units listed below:
 - English: 4 units
 - Social Studies: 3 units
 - Mathematics: 3 units, including Algebra I
 - Science: 3 units, including Physics (preferred) or Chemistry/Lab
- Documentation of a high school or collegiate cumulative GPA of 2.8 or higher. The most recent GPA will be used in the admission decision. Current high school student applicants must submit a final official transcript reflecting the required cumulative GPA of 2.8 after graduation. **A decline in current cumulative minimum required high school GPA, will result in cancellation of your enrollment in the program.**
- Successful completion of an interview, which is granted by the Program to the best qualified candidates.
- SAT: 500 each section; ACT composite¹⁹; essay score of 7 or higher.
 - Exceptions to the SAT/ACT requirement will be considered on an individual basis. TOEFL Essentials scores will be considered on an individual basis.
- TOEFL Essential scores will be considered on an individual basis. TOEFL* paper-based score of 560 or internet-based score of 83 (*if applicable).
- Two recommendations using the official School of Health Sciences reference form.
 - **Please note: applicants will need to use the official School of Health Sciences reference forms. The reference forms for the MI Program should be completed by a current or past employer, supervisor, teacher/faculty, counselor, and/or clergy.**

Applicants may be required to validate minimum admission requirements through college-level coursework. Decisions regarding acceptable reference form materials, college coursework, challenge examination results, and aptitude test scores will be at the discretion of the admissions committee.

In addition to the minimum requirements for Medical Imaging admissions, candidates who demonstrate “above average” educational potential will be considered for preferred admission based on the following criteria:

- Alvernia University Healthcare Science Program students are given preference in the selection process.
- Documentation of a high school or collegiate cumulative GPA of 3.0 or higher. The most recent GPA will be used in the admission decision.
- An earned “B” or better in college level coursework in Mathematics, Biology, English, or Communications.
- Recommendations: “recommend with confidence” rating.
- Exemplary demonstration of communication and interpersonal skills during the formal admission interview. The Admission Committee offers formal interviews to the strongest candidates in the active applicant pool.

Final selection is the responsibility of the Medical Imaging Program Admissions Committee.

Post-Acceptance Requirements

Acceptance is contingent upon submitting these post-acceptance documents and fees in accordance with established deadlines:

- A non-refundable \$300 confirmation of enrollment fee due within two weeks from the date of acceptance letter.
- Receipt of all official transcripts reflecting required GPA for program admission.
Please note: current high school student applicants must submit a final official transcript reflecting the required cumulative GPA of 2.8 after graduation. A decline in current GPA, will result in cancellation of your enrollment in the program.
- Completed and approved Criminal Record Check and FBI Fingerprint.
- Completed and approved Pennsylvania Child Abuse History Clearance.
- Completed and approved National Healthcare Fraud and Abuse History Check.
- Valid two-year BLS for Healthcare Provider CPR certification.
- Documentation of health insurance, including hospitalization benefits.
- Healthcare provider confirmation of required health screenings, tests, and immunizations including a negative finding on urine drug screening (go to <https://reading.towerhealth.org/app/files/public/62b225f8-8b00-4858-9695-3c27f046ce87/313-substance-abuse-shs-11122009.pdf>).
- Copy of photo identification, as requested (i.e., valid driver's license, school or employer identification, permanent residency card).
- Necessary paperwork used to verify official name or name changes.
- Other program-specific information as requested by admissions.

Deferment

The Medical Imaging Program does not offer deferment of admission. Applicants who experience a change in personal circumstances which warrants a delay in admission date are encouraged to reapply.

Wait List

Qualified applicants may be wait-listed when the Program's clinical and facility capacities have reached maximum levels. Wait-listed applicants will be notified if space becomes available. When offered admission, these applicants must meet the post-acceptance requirements outlined above.

Cancellation

Applicants whose files are cancelled by either their own efforts or the efforts of the Admissions Committee can reapply to a program at a later date.

MEDICAL IMAGING PROGRAM APPLICANT POINT SYSTEM

STUDENT ID NUMBER:

| Points Achieved | Points Possible | Application Completion (5 percent) |
|-----------------|----------------------|--|
| | 5 | Neatly typed/handwritten; monochromatic; consistent margins/indents; free of grammatical, typographical, and spelling errors; free of stains, wrinkles, and extraneous folds. |
| | 4 | Neatly typed/handwritten; consistent margins/indents; < 1-2 minor grammatical, spelling, or typographical errors neatly corrected using correction fluid; free of stains, wrinkles, and extraneous folds. |
| | 3 | Typed/handwritten with slightly varying margins; <3 minor grammatical, spelling, or typographical errors left uncorrected; free of stains, wrinkles, and extraneous folds. |
| | 2 | Typed/handwritten; multichromatic, multiple penmanship styles; moderately varying margins/indents; >3 grammatical, spelling, or typographical errors left uncorrected OR overuse of correction fluid. |
| | 1 | Sloppily typed/handwritten; multiple penmanship styles; multichromatic; widely varying margins/indents; >3 grammatical, spelling, or typographical errors left uncorrected or overuse of correction fluid; stained, wrinkled, carelessly folded. |
| Points Achieved | Points Possible | Academics (39 percent) |
| | 5-1 | Most Recent GPA (H.S. or Post Secondary) 5 = 3.8-4.0 4 = 3.4-3.7 3 = 3.2-3.3 2 = 3.0-3.1 1 = 2.8-2.9 |
| | +1 per class (5 max) | H.S. Honors Courses (min. C) |
| | +1 per class (5 max) | H.S. Courses in Related Curriculum (min. C) |
| | 4 | Traditional Student Point Adjustment |
| | 2 | Physics Preferred Physical Science (min. C) |
| | 5-2 | SAT Scores 5 = 1500-1600 4 = 1300-1490 3 = 1100-1290 2 = 1000-1090 OR ACT 5 = >28 4 = 25-27 3 = 22-24 2 = 19-21 |
| | 5-2 | Post Secondary Education 5 = Masters Degree 4 = Bachelor of Science 3 = Associate of Science 2 = BA or AA |
| | +1 per class (5 max) | Additional College Courses in Related Curriculum (min C) * Points awarded for courses above and beyond those that are transfer courses included in the programs Medical Imaging curriculum or required courses for acceptance into the program. (Examples receiving points: Medical Terminology, Introduction to Allied Health, etc.) |
| Points Achieved | Points Possible | References (5 percent) |
| | Ref 1: 3-0 | Two qualifying references on school forms 3 = Confidently 2 = Recommend 1 = Hesitantly |
| | Ref 2: 3-0 | |
| Points Achieved | Points Possible | Commitment/Teamwork (10 percent) |
| | 3-0 | Follow through with Admissions 3 = Exceptional 2 = Good 1 = Satisfactory 0 = poor |
| | 3 | Previous Applicant |
| | 2 | Volunteerism |
| | 2 | Involvement in activities/sports |
| | 2 | Medical Health Professions Participant (Shadowing, HOSA, Medical Explorers, other Medical Imaging Program applicant and/or previous work in healthcare field.) |

MEDICAL IMAGING PROGRAM APPLICANT POINT SYSTEM (CONTINUED)

| Points Achieved | Points Possible | Service Excellence Essay (6 percent) |
|-----------------|-----------------|---|
| | 5-1 | Service Excellence Essay 5 = Strong 3-4 = Adequate 1-2 = Weak |
| Points Achieved | Interviewer | Interview (35 percent) |
| | Faculty 1 | 5 = Excellent 4 = Above Average 3 = Average 2 = Below Average 1 = Poor |
| | | Interview Appropriate Attire |
| | | Interaction |
| | | Affect |
| | | Communication |
| | | 10 = Ideal candidate to culture/profession 1 = Poor candidate to culture/profession General Impression |
| | | |
| | Faculty 2 | 5 = Excellent 4 = Above Average 3 = Average 2 = Below Average 1 = Poor |
| | | Interview Appropriate Attire |
| | | Interaction |
| | | Affect |
| | | Communication |
| | | 10 = Ideal candidate to culture/profession 1 = Poor candidate to culture/profession General Impression |
| | | |
| | Faculty 3 | 5 = Excellent 4 = Above Average 3 = Average 2 = Below Average 1 = Poor |
| | | Interview Appropriate Attire |
| | | Interaction |
| | | Affect |
| | | Communication |
| | | 10 = Ideal candidate to culture/profession 1 = Poor candidate to culture/profession General Impression |
| | | |
| | Faculty 4 | 5 = Excellent 4 = Above Average 3 = Average 2 = Below Average 1 = Poor |
| | | Interview Appropriate Attire |
| | | Interaction |
| | | Affect |
| | | Communication |
| | | 10 = Ideal candidate to culture/profession 1 = Poor candidate to culture/profession General Impression |

CURRICULUM PLAN

In order to maintain enrollment in the program, students must pass each Medical Imaging course with an 80 percent or higher and each general education course with a 75 percent or higher.

SPRING I; LEVEL I

16 weeks

| COURSE NUMBER | COURSE TITLE |
|---------------|---------------------------------|
| BIO 107 | A&P I |
| BIO 117 | A&P I Lab |
| COM 101 | Composition & Research |
| MAT 102 | Algebra II |
| PHI 105 | Introduction to Philosophy |
| MI 110 | Introduction to Medical Imaging |

SUMMER I; LEVEL I

12 weeks

| COURSE NUMBER | COURSE TITLE |
|---------------|---|
| BIO 108 | A&P II |
| BIO 118 | A&P II Lab |
| MI 116 | Patient Care & Pharmacology for Medical Imaging Professionals |
| MI 120 | Radiation Protection & Medical Terminology |
| MI 123 | Clinical Seminar I: Clinical Orientation & Chest Radiography |

FALL I; LEVEL I

16 weeks

| COURSE NUMBER | COURSE TITLE |
|---------------|---|
| THE 210 | Medical Moral Theology* |
| LAE 1 | Communication Elective |
| MI 132 | Imaging Principles & Equipment |
| MI 133 | Clinical Seminar II: Distal Extremities; Abdomen & Advanced Chest Radiography |

SPRING II; LEVEL I

16 weeks

| COURSE NUMBER | COURSE TITLE |
|---------------|--|
| LAE 2 | Creative Expressions Elective |
| MI 237 | Medical Image Acquisition & Archival |
| MI 238 | Clinical Seminar III: Proximal Extremities, Shoulder Girdle, Mobile & Surgical |

SUMMER II; LEVEL II

12 weeks

| COURSE NUMBER | COURSE TITLE |
|---------------|--|
| SOC 306 | Racial & Cultural Relations |
| MI 240 | Radiation Biology |
| MI 243 | Clinical Seminar IV: Bony Thorax, Pelvic Girdle & Vertebral Column |

FALL II; LEVEL II

16 weeks

| COURSE NUMBER | COURSE TITLE |
|---------------|--|
| MI 262 | Intro to Computed Tomography & Cross-Sectional Anatomy |
| MI 263 | Clinical Seminar V: Fluoroscopy & Cranium |

SPRING III; LEVEL II

16 weeks

| COURSE NUMBER | COURSE TITLE |
|---------------|---|
| MI 277 | Achieving & Advancing Professional Standing |
| MI 278 | Clinical Seminar VI: Special Studies & Clinical Proficiencies |

*DUALY ENROLLED STUDENTS: THE 210 satisfies the Medical Ethics requirement for Reading Hospital School of Health Sciences certificate of completion as well as a portion of the Philosophy/Theology requirement for the Alvernia University Associate of Science degree. Students may elect to take a Medical Ethics course and otherwise satisfy the AU Philosophy/Theology requirement.

TRANSFER CREDITS POLICY: It is the policy of RHSHS to evaluate and award credit for college level courses completed through a regionally accredited institution of higher education and other accredited schools or programs as recognized by the Council for Higher Education Accreditation, College Board Advanced Placement (AP), and College Level Examination Program, for transfer credit purposes. To review the transfer credits policy and procedure for awarding credit, please to <https://reading.towerhealth.org/app/files/public/3906/304-Transfer-Dual-Enrollment-Programs.pdf>

MEDICAL IMAGING PROGRAM

COURSE DESCRIPTIONS

BIO 107 Human Anatomy & Physiology I (3.0 credits)

Homeostatic mechanisms of the human body with emphasis on structure and function are studied. Gross and microscopic structures are correlated with function of cells, tissues, organs, and systems of the body. Major topics include: skeletal, muscular, and nervous systems. Three hours of lecture per week.

Co-requisite: BIO 117

BIO 108 Human Anatomy & Physiology II (3.0 credits)

Emphasis is on structure and function of endocrine, cardiovascular, respiratory, lymphatic, digestive, urinary, and reproductive systems. Gross and microscopic structures are correlated with functions of cells, tissues, organs, and systems of the body. Three hours of lecture per week.

Co-requisite: BIO 118

BIO 117 Human Anatomy & Physiology I Lab (1.0 credit)

Experimental approach to the study of human anatomy and physiology is used to reinforce lecture concepts. The exercises present the core elements of the subject matter in a hands-on manner. The labs are presented in the same time period the material is being discussed in lecture. One two-hour lab per week.

Co-requisite: BIO 107

BIO 118 Human Anatomy & Physiology II Lab (1.0 credit)

Experimental approach to the study of human anatomy and physiology is used to reinforce lecture concepts. The exercises present the core elements of the subject matter in a hands-on manner. Labs are presented in the same time period the material is being discussed in lecture. One two-hour lab per week.

Co-requisite: BIO 108

COM 101 Composition & Research (3.0 credits)

Core writing requirement, reviews fundamental principles of rhetoric, grammar, punctuation, and spelling. Requirements include a research paper using MLA documentation guidelines and several expository papers. Course is available only after placement by departmental faculty. Students must achieve "C" or better to fulfill core requirements.

LAE 1 Communication Elective (3.0 credits)

The Liberal Arts Elective 1 requirement can be satisfied by successful completion of COM 213 or a similar COM course. Historically, COM 213 has been offered in the curricula on RHSHS campus, but the school reserves the right to provide a course substitution. Students must receive approval from both RHSHS and Alvernia University for transfer credit.

MAT 102 Algebra II (3.0 credits)

This course is designed to prepare science or mathematics major for precalculus. Topics include algebra of polynomials, roots, radicals, and exponents, relations and functions and their graphs, systems of equations, and logarithms.

Prerequisite: MAT 100 or satisfactory score on Mathematics Placement Test.

LAE 2 Creative Expressions Elective (3.0 credits)

The Liberal Arts Elective 2 requirement can be satisfied by successful completion of MUS or a similar creative expressions course. Historically, MUS has been offered in the curricula on RHSHS campus, but the school reserves the right to provide a course substitution. Students must receive approval from both RHSHS and Alvernia University for transfer credit.

PHI 105 Introduction to Philosophy (3.0 credits)

Historical introduction to fundamental problems and methods of philosophy based on readings in ancient, medieval, and modern literature.

SOC 306 Racial and Cultural Relations (3.0 credits)

Analysis of ethnic and racial differentiation in pluralistic societies. Theories of dominant and minority groups are studied. This course fulfills the human diversity graduation requirement. Historically, SOC 306 has been offered in the curricula on RHSHS campus, but the school reserves the right to provide a course substitution.

THE 210 Medical Moral Theology (3.0 credits)

Investigation of moral problems which can arise in the area of bioethics. Introductory survey of the basic Christian principles of morality is followed by treatment of various medical moral situations. A natural law methodology is applied throughout the course. Fulfills the Ethics/Morality requirement.

***DUALY ENROLLED STUDENTS:** The course titled "THE 210" satisfies a Medical Ethics requirement for the RHSHS Medical Imaging certificate of completion and also satisfies the Philosophy/Theology requirement for the Alvernia University Associate of Science degree. Students may elect (prior to enrollment in the program) to take an equivalent Medical Ethics course in place of THE 210 to meet the RHSHS program requirements. However, additional coursework may be required to also meet the Alvernia University Philosophy/Theology requirement. It is highly suggested that the student meet with the RHSHS admissions staff to verify course transferability prior to enrolling in a substitute course.

MI 110 Introduction to Medical Imaging

This course provides a broad, general introduction to the foundations in radiography and the radiography practitioner's role in the health care delivery system. Principles, practices, and policies of the healthcare organization(s) will be examined, in addition to the professional responsibilities of the radiographer. Common administrative structures found within a radiology department will be discussed and professional organizations significant to radiology will be explored. Students will also be oriented to the mission of Alvernia University, Reading Hospital School of Health Sciences, and the Medical Imaging Program.

Prerequisites: Not Applicable

Theory Hours: 15 Hours (1.0 credit)

Clinical Hours: Not Applicable

MI 116 Patient Care & Pharmacology for Medical Imaging Professionals

This course addresses the basic concepts of patient care within medical imaging and underscores the physical and emotional needs of the patient and family. Ethical and moral implications associated with delivery of care are discussed. Routine and emergency patient care procedures will be addressed as well as infection control procedures utilizing standard precautions. The role of the radiographer in patient education will be identified.

Prerequisites: MI 110: Introduction to Medical Imaging

Theory Hours: 45 Hours (3.0 credits)

Clinical Hours: Not Applicable

MI 120 Radiation Protection & Medical Terminology

This introductory course provides theory and application to the elements of medical terminology. A word-building system will be introduced and abbreviations and symbols will be discussed. Also introduced will be an orientation to the understanding of radiographic orders and interpretation of diagnostic reports. Related terminology is addressed. This course will introduce an overview of the principles of radiation protection, including the responsibilities of the radiographer for patients, personnel, and the public. Devices used for protection will be presented. Radiation health and safety requirements of federal and state regulatory agencies, accreditation agencies, and healthcare organizations are incorporated. (Mathematics involved)

Prerequisites: MI 110: Introduction to Medical Imaging; MAT 102: Algebra II

Theory Hours: 30 Hours (2.0 credits)

Clinical Hours: Not applicable

MI 132 Imaging Principles & Equipment

This course establishes the relationship between radiation production and characteristics, radiographic equipment, and factors that govern the image production process. The basic knowledge of atomic structure and terminology, nature and characteristics of radiation, X-ray production, the fundamentals of photon interactions with matter, and the design and function of the radiographic equipment are explored. The concepts of radiographic brightness, contrast, latitude, spatial resolution, and distortion are analyzed with respect to how they affect the image production process. Ideal technique formulation and selection, troubleshooting, and error correction is examined. (Mathematics involved)

Prerequisites: MAT 102: Algebra II; MI 123: Clinical Seminar I

Theory Hours: 45 Hours (3.0 credits)

Clinical Hours: Not Applicable

MI 237 Medical Image Acquisition & Archival

This course is designed to impart an understanding of the components, principles, and operation of fluoroscopic and digital imaging systems found in diagnostic radiology. Factors impacting patient safety and image quality including grids and beam restriction are also discussed. Guidelines for selecting exposure factors and evaluating images within an imaging system assist students to idealize image acquisition, display, archiving, and retrieval. Principles of quality assurance and maintenance are presented. (Mathematics involved)

Prerequisites: MI 132 Imaging Principles & Equipment; MI 133: Clinical Seminar II

Theory Hours: 60 Hours (4.0 credits)

Clinical Hours: Not applicable

MI 240 Radiation Biology

This course is designed to provide an overview of the principles of the interaction of radiation with living systems. Radiation effects on molecules, cells, tissues, and the body as a whole are presented. Factors affecting biological response are presented, including acute and chronic effects of radiation.

Prerequisites: BIO 107: Human Anatomy & Physiology I; BIO 117: Human Anatomy & Physiology Laboratory I; BIO 108: Human Anatomy & Physiology II; BIO 118: Human Anatomy & Physiology Laboratory II; MI 120: Radiation Protection & Medical Terminology; MI132 Imaging Principles & Equipment

Theory Hours: 30 Hours (2.0 credits)

Clinical Hours: Not Applicable

MI 262 Introduction to Computed Tomography & Cross-Sectional Anatomy

This course is provided to further continue the study of the gross anatomy of the entire body through cross-sectional imaging. Detailed study of gross anatomical structures will be conducted systematically for location, relationship to other structures, and function. Content will also provide entry-level radiography students with principles related to computed tomography (CT) imaging. Basic principles of linear tomography will be studied in relation to the patient care setting.

Prerequisites: BIO 107: Human Anatomy & Physiology I; BIO 117: Human Anatomy & Physiology Laboratory I; BIO 108: Human Anatomy & Physiology II; BIO 118: Human Anatomy & Physiology Laboratory II; MI 132 Imaging Principles and Equipment; MI 237 Medical Image Acquisition & PACS

Theory Hours: 45 Hours (3.0 credits)

Clinical Hours: Not Applicable

MI 277 Achieving & Advancing Professional Standing

Students prepare for the entry into the profession through a comprehensive review of the curriculum, participation in standardized exams in preparation for the national credentialing examination administered by the American Registry of Radiologic Technologists (ARRT), and investigate a variety of professional growth opportunities. The application process utilized by the ARRT is explained and continuing education requirements for ongoing registry maintenance are discussed. (Mathematics involved)

Prerequisites: MI 263: Clinical Seminar V

Theory Hours: 30 Hours (2.0 credits)

Clinical Hours: Not applicable

MI 123 Clinical Seminar I; Clinical Orientation & Chest Radiography

Clinical Seminar I is designed to support the foundation necessary to perform standard radiographic procedures. The fundamental skills necessary to adapt studies to specific patient needs will be introduced. Chest radiography is introduced. Demonstration of optimal diagnostic examinations and radiographic image evaluation will be included. Laboratory and clinical experience will be used in conjunction with seminars to facilitate mastery of skills necessary for the beginning medical imaging student.

Prerequisites: BIO 107: Human Anatomy & Physiology I; BIO 117: Human Anatomy & Physiology Laboratory I; MI 110: Introduction to Medical Imaging.

Theory Hours: 15 Hours (1.0 credit)

Clinical Hours: 75 Hours (1.0 credit)

MI 133 Clinical Seminar II; Distal Extremities; Abdomen & Advanced Chest Radiography

Clinical Seminar II is designed to support the foundation necessary to perform standard radiographic procedures. Advanced chest radiography, abdominal radiography, and distal portions of the appendicular skeleton will be included. The skills necessary to adapt these studies to specific patient needs will also be introduced. Demonstration of optimal diagnostic examinations and radiographic image evaluation will be included; pathological effects and recommendation for improvement of image quality will be discussed. Laboratory and clinical experience will be used in conjunction with seminars to facilitate mastery of skills necessary for the beginning medical imaging student.

Prerequisites: BIO 107: Human Anatomy & Physiology I; BIO 117: Human Anatomy & Physiology Laboratory I; BIO 108: Human Anatomy & Physiology II; BIO 118: Human Anatomy & Physiology Laboratory II; MI 116: Patient Care & Pharmacology for Medical Imaging Professionals; MI 120: Medical Terminology & Radiation Protection; MI 123: Clinical Seminar I

Theory Hours: 30 Hours (2.0 credits)

Clinical Hours: 225 Hours (3.0 credits)

MI 238 Clinical Seminar III; Proximal Extremities, Shoulder Girdle, Mobile & Surgical

Clinical Seminar III is designed to support the foundation necessary to perform standard radiographic procedures. Proximal Extremity, Shoulder Girdle, Mobile & Surgical Radiography, and Trauma Radiography. The skills necessary to adapt these studies to specific patient needs will also be introduced. Demonstration of optimal diagnostic examinations and radiographic image evaluation will be included; pathological effects and recommendation for improvement of image quality will be discussed. Laboratory and clinical experience will be used in conjunction with seminars to facilitate mastery of skills necessary for the beginning medical imaging student.

Prerequisites: MI 132: Imaging Principles & Equipment; MI 133: Clinical Seminar II

Theory Hours: 30 Hours (2.0 credits)

Clinical Hours: 225 Hours (3.0 credits)

MI 243 Clinical Seminar IV; Bony Thorax, Pelvic Girdle & Vertebral Column

Clinical Seminar IV is designed to support the foundation necessary to perform standard radiographic procedures. Instruction of radiography of the bony thorax, pelvic girdle, and vertebral column will be included. The skills necessary to adapt these studies to specific patient needs will also be introduced. Demonstration of optimal diagnostic examinations and radiographic image evaluation will be included; pathological effects and recommendation for improvement of image quality will be discussed. Laboratory and clinical experience will be used in conjunction with seminars to facilitate mastery of skills necessary for entry-level medical imaging professionals.

Prerequisites: MI 237: Medical Image Acquisition and PACS; MI 238: Clinical Seminar III

Theory Hours: 15 Hours (1.0 credits)

Clinical Hours: 225 Hours (3.0 credits)

MI 263 Clinical Seminar V; Fluoroscopy & Cranium

Clinical Seminar V is designed to support the foundation necessary to perform standard radiographic procedures. Instruction of advanced abdominal radiography, fluoroscopy studies, and imaging procedures associated with the cranium will be included. The skills necessary to adapt these studies to specific patient needs will also be introduced. Demonstration of optimal diagnostic examinations and radiographic image evaluation will be included; pathological effects and recommendation for improvement of image quality will be discussed. Laboratory and clinical experience will be used in conjunction with seminars to facilitate mastery of skills necessary for entry-level medical imaging professionals.

Prerequisites: MI 243: Clinical Seminar IV

Theory Hours: 45 Hours (3.0 credits)

Clinical Hours: 375 Hours (5.0 credits)



MI 278: Clinical Seminar VI; Special Studies & Clinical Proficiencies

Instruction of specialized radiographic projections and protocols will be included. The skills necessary to adapt studies to specific patient needs will be reinforced. Proficiency in production of optimal diagnostic examinations and radiographic image evaluation will be verified; pathological effects and recommendation for improvement of image quality will be further discussed. Laboratory and clinical experience will be used in conjunction with seminars to facilitate mastery of skills necessary for entry-level medical imaging professionals.

Prerequisites: MI 263: Clinical Seminar V

Theory Hours: not applicable

Clinical Hours: 375 Hours (5.0 credits)

COST AND EXPENSES

Tuition and Fees

A current copy of the tuition and fee structure for the Medical Imaging Program is located at <https://reading.towerhealth.org/health-sciences/financial-information/tuition-and-fees/>.

Billing and Payment

Student billing, payments, and invoices are processed by the Student Accounts Office (SAO) located on the ground floor of Reading Hospital's School of Health Sciences (RSHS) building.

Tuition: Approximately 30 days prior to each semester, all students will receive an electronic notice to their school email account letting them know that new charges have been posted to their WebConnect account.

Payments: Students are expected to pay their tuition bills in full or sign-up for the RSHS Payment Plan Option (PPO) one week prior to the start of each new semester. Students can make their tuition payments at the SAO, online via their WebConnect account or by mail. The school accepts personal checks, money orders, cash, and all major credit/debit cards.

Checks and money orders should be made payable to RSHS and mailed to:
RSHS
Student Accounts Office
P.O. Box 16052
Reading, PA 19612-6052

More information regarding billing and payments can be found at <https://reading.towerhealth.org/health-sciences/financial-information/tuition-and-fees/>.

Financial Disclosure: By registering for a course, or multiple courses, a student accepts responsibility for all charges associated with the enrolled semester, regardless of payment method. Financial obligations may include, but are not limited to, tuition, fees, housing, library materials or fines, and unpaid room damage charges.

Financial Aid

FEDERAL FAFSA CODE: 014104

The Financial Aid Office is designed to assist students in understanding financial resources available for post-secondary education. Counseling and assistance are provided to help make it financially possible for admitted students to attend the program.

FINANCIAL AID APPLICATION PROCEDURES

Instructions to apply for financial aid are included in the RSHS Admissions Packet sent to admitted students. Look for it in the Financial Information section. To ensure full consideration for all types of financial aid, please be sure to complete each of the steps.

Applying for Financial Aid

STEP 1

Complete the Free Application for Federal Student Aid (FAFSA). We strongly advise you to apply no later than May 1 so that you do not miss any deadlines. You will need to reapply each year you are enrolled as a student. The FAFSA form can be completed online at <https://studentaid.gov> or you can download the MyStudentAid app to complete your FAFSA application.

STEP 2

If a student chooses to borrow money under the Federal Direct Loan program, a Master Promissory Note (MPN), Entrance Counseling, and the Annual Student Loan Acknowledgement form must be completed on the <https://studentaid.gov> website.

STEP 3

The Financial Aid Office at RHSHS will request any additional forms that may be needed to determine financial aid eligibility. Carefully review any communication you receive from the Financial Aid Office, the Federal Student Aid programs, or PHEAA, the state agency. Please be sure to contact the Financial Aid Office at RHSHS if you need any assistance or have any questions.

SOURCES OF FINANCIAL AID MAY INCLUDE:

- Federal Pell Grant
- PA State Grant
- Employer Tuition Assistance
- Federal Direct Subsidized Loan
- Federal Direct Unsubsidized Loan
- Federal Direct PLUS Loan
- Veterans Funding

RETURN OF TITLE IV FUNDS

If a student receiving financial aid from Federal Title IV funds withdraws or is terminated from the program, any refund due must be made to the programs providing the aid according to applicable governmental regulations before any refund can be made to the student. The refund policy is in accordance with the requirements of 34 CFR 668.22, code of Federal Regulations, which determine the amount of federal aid that has been earned and how much aid must be returned to any Title IV program.

The order of repayment of Title IV funds is:

- (1) Federal Direct Unsubsidized Loan
- (2) Federal Direct Subsidized Loan
- (3) Federal Direct PLUS Loan
- (4) Federal Pell Grant
- (5) Other Title IV programs

If you have questions about Title IV program funds, you may contact the Financial Aid Office.

THE ACADEMIC ENVIRONMENT

Reading Hospital

Reading Hospital is the flagship, Magnet Recognized, acute care hospital of Tower Health. Located in West Reading, PA, Reading Hospital is a 697-bed hospital that is home to many top-tier specialty care centers, including Reading HealthPlex, Tower Health Transplant Institute, McGlinn Cancer Institute, Miller Regional Heart Center, Emergency Department, Level I Trauma Center, and Beginnings Maternity Center which houses the region's only Level III Neonatal Intensive Care Unit (NICU). With more than 900 physicians and providers across 49 locations, Reading Hospital has been recognized for its quality outcomes and clinical expertise across services lines. It is listed as one of America's 100 Best Hospitals for six consecutive years and received a 5-Star Rating from CMS two years in a row. Visit towerhealth.org for more information.

The West Reading facility in scenic Berks County consists of a 22-building complex located on a 36-acre suburban campus. Our Medical Staff exceeds 970 physicians and allied health professionals in 53 distinctive specialty fields. Reading Hospital's employee family numbers more than 6,900 men and women in both clinical and support services, designating us the largest employer in the county.

Reading Hospital School of Health Sciences

There has never been a better time to prepare for a future as a healthcare professional. Reading Hospital School of Health Sciences prepares qualified students for exciting careers through diploma, certificate, and accredited Programs:

- Diagnostic Medical Sonography
- EMS, Paramedic Education
- Medical Imaging
- Medical Laboratory Science
- Nursing
- Phlebotomy
- Surgical Technology

The state-of-the-art campus is more than an investment in our students. It represents a commitment to our community as we provide a cohesive and comprehensive education for the men and women who will become the future providers of patient care through Reading Hospital and our affiliated practices.

Staff and Faculty

The School of Health Sciences Medical Imaging Program is composed of experienced practitioners dedicated to both teaching and imaging professions. Courses are academically stimulating and challenging, as faculty constantly introduce students to the numerous changes in imaging and healthcare.

The faculty and staff are committed to helping students assess their abilities, meet their educational goals, and plan for their professional futures. The supportive relationship between faculty and students encourages students to grow professionally and personally.

Clinical Experience

The Department of Radiology at Reading Hospital maintains state-of-the-art technology in all imaging modalities. Access to digital imaging, computed radiography, and picture archival and communication systems provide students with a cutting-edge clinical experience. Throughout their 27-month education, students are exposed to virtually every diagnostic procedure with which they will come in contact as Radiologic Technologists. The high volume of patients examined provides students with the opportunity to observe and assist with a wide variety of radiographic procedures as they work to achieve competency.

Simulation Laboratories

Two radiology skills laboratories in the School – non-energized and energized – simulate typical radiographic rooms in a hospital setting. The suite combines the advantages of lifelike positioning phantoms and live imaging equipment which allow students to hone their imaging skills on technology similar to that found in healthcare settings.

An observation area between the two laboratories allows faculty and fellow classmates to watch while positioning is completed. Also, two computers networked into the main hospital campus display images of actual patient studies, providing an excellent opportunity for improvement of future performance. Approximating a live radiographic setting, this suite promotes the teamwork necessary to function well in an actual radiology setting.

Although no images are produced, the non-energized laboratory enables students to practice positioning skills, demonstrate proficiency to their faculty, and manipulate equipment without the time constraints of a patient schedule. The energized laboratory helps medical imaging students further their positioning skills by providing an actual image using a computed radiography system. Students use this equipment to practice imaging principles and quality control methods learned in the classroom setting.

Clinical Facilities

Serving as a regional center for the care of patients in numerous subspecialties, Reading Hospital offers students outstanding facilities for clinical experience in the field of diagnostic radiology. Throughout the Program, qualified clinical staff and faculty supervise students during their many varied clinical experiences.

The Program currently schedules students at the following clinical sites for educational experiences. Students are responsible for securing transportation to and from all educational experiences.

**Department of Radiology
at Reading Hospital**
Spruce Street & Sixth Avenue
Reading, PA 19611

**Reading Hospital Lab &
Imaging Services at Leesport**
5479 Pottsville Pike
Leesport, PA 19533

**Reading Hospital & Imaging Services
at Gateway**
1020 Grings Hill Road
Reading, PA 19608

Reading Hospital at Spring Ridge
2603 Keiser Boulevard
Wyomissing, PA 19610

**Reading Hospital Imaging Center
at Exeter**
2 Hearthstone Court
Reading, PA 19606

**Reading Hospital School of
Health Sciences**
PO Box 16052
Reading, PA 19612

The Department of Radiology at Reading Hospital performs more than 350,000 diagnostic procedures and therapeutic treatments annually. Areas of Radiology can include:

General Radiology: Encompasses the use of ionizing radiation to produce images of the chest, abdomen, spine, pelvis, head, and extremities in inpatient and outpatient settings. Trauma radiography, fluoroscopy, cystoscopy, urography, operating room radiography, and mobile (portable) radiography are also sections of general radiography.

Mammography: Uses radiation to produce diagnostic images of breast tissue. Under a federal law known as the Mammography Quality Standards Act, mammographers must meet stringent educational and experience criteria in order to perform mammographic procedures.

Computed Tomography: Uses X-ray energy to obtain “slices” of anatomy at different levels within the body. These computer generated images permit visualization of anatomy within structures, rather than solely on their surface.

Cardiovascular and Advanced Interventional Radiography: Use of X-rays provides a visual roadmap of the bloodstream and circulatory system by using sophisticated imaging techniques to help guide catheters, vena cava filters, stents, or other tools through the body. Using these techniques, disease can be treated without open surgery.

Ultrasound: High frequency sound waves are used to image organs, tissues, and blood vessels in the body. Returning echoes generated by these anatomical structures are interpreted by a computer, which in turn, produces a visible image.

Magnetic Resonance Imaging: During a MR scan, the patient’s body is exposed to a strong magnetic field. A radiofrequency pulse changes alignment of atoms within the body, giving off signals that are measured by a computer and processed to create detailed images of the patient’s anatomy.

Nuclear Medicine: Employs radioactive materials (radiopharmaceuticals) to image both the structure and function of organs, tissue, and bone. Specialized cameras detect emissions from the radiopharmaceuticals, and record their travel and concentration throughout the body.

Radiation Oncology: Uses high energy radiation for the treatment of disease, primarily cancer. Specialty services can include Intensity Modulated Radiation Therapy (IMRT), Image Guided Radiation Therapy (IGRT), and High Dose Rate Brachytherapy (HDR).

Continued Professional Development

The emergence of multiple satellite imaging areas has provided radiographers with many opportunities for continued career development. Mammography, computed tomography, magnetic resonance imaging, nuclear medicine, radiation oncology, ultrasound, cardiovascular imaging, and interventional radiography are examples of imaging areas available to graduates interested in pursuing professional career development outside general radiography. Students enrolled in the Medical Imaging Program will be provided opportunities to observe in these areas. Should a student wish to develop the skills required to work in any of these sections, additional education or job-site training following graduation from the Medical Imaging Program is required.

Lambda Nu National Honors Society

The Pennsylvania Sigma Chapter of the Lambda Nu National Honors Society for Radiologic and Imaging Sciences was established by the Medical Imaging Program at Reading Hospital School of Health Sciences in 2017. Exceptional students, faculty, and alumni of an imaging science program at RHSHS are recognized for their honor, integrity, and academic achievement when they qualify to Lambda Nu National Honors Society.

Student Resources

Students have access to all available resources of the School of Health Sciences. Resources include the Hospital's Library Services, Computer Lab, Energized and Non-Energized Radiographic Skills Lab, and Student Health. Additionally, enrolled students also benefit from access to student services offered by Alvernia University.

Library Services at Reading Hospital houses a section dedicated to radiographic imaging. Reference materials, professional books, and imaging journals are available. The privilege of borrowing these materials is extended exclusively to Medical Imaging students. Medical Imaging students also have access to nursing, medicine, and other allied health reference materials. Computers programmed for research, word processing, internet access, and email are available in the library as well.

Orientation Program

All new students who have confirmed their orientation status through the Office of Admissions will be required to attend new student orientation prior to the start of class.

Student Housing

Delta Apartments are located within a mile of the Hospital campus. Shuttle bus service is provided for students to and from the campus.

Student Lounge

A lounge, study rooms, food, and vending machines are available for student use. The student lounge is located on the ground level of the school.

Parking and Transportation

Parking is limited on the school campus. The majority of students will be assigned parking at an off-site location and utilize the hospital shuttle service. The hospital shuttle bus system provides transportation from the Delta Apartments or assigned parking location of the school. Students are responsible for their own transportation to and from assigned education or clinical experiences. Local bus service is available. The school does not assume liability for any events related to transportation.

Policies and Procedures

Information pertaining to the student handbook, academic calendar, student grievance procedure, progression and graduation, transfer credit practice, payment plan and refunds, and program policies and processes by which students must follow, can be found at: <https://reading.towerhealth.org/health-sciences/school-policies/>.

Graduate Employment

As a graduate, you will be able to seek entry-level employment at many hospitals, outpatient imaging facilities, clinics and doctors' offices. Sonographer's perform their duties in diagnostic labs, trauma centers, emergency rooms, operating rooms, interventional suites, labor and delivery facilities, and at the bedside.

Advanced Degree through Alvernia University

Graduates looking to advance their professional skills can pursue Alvernia University's Bachelor of Science in Healthcare Science program. Courses are offered in blended and online formats to allow our graduates to maintain work hours while earning their advanced degree.

The faculty of Reading Hospital School of Health Sciences Medical Imaging Program reserves the right to change the curriculum, education policies, program requirements, fees, and calendar as considered necessary for the progressive development of the Medical Imaging Program.

CONSUMER INFORMATION DISCLOSURE

Federal Regulations stipulate that prospective or current students have the opportunity to access various types of consumer information. To comply with these regulations, the following information is provided based on the most recent graduate follow-up statistics.

School Information and Policies

To access our current information and policies please go to:
<https://reading.towerhealth.org/health-sciences/school-policies/>.

Substance Abuse

Our policy states that no employee or student shall possess any alcoholic beverage or controlled substance (illicit drugs) on Hospital property, School property, in the Delta Apartments, or as any part of any School activity, whether for personal consumption or distribution to any other person. Any infraction of this policy constitutes grounds for disciplinary action up to and including expulsion for students and immediate dismissal for employees, as well as referral for prosecution, where appropriate.

Campus Security

It is the intent of Reading Hospital School of Health Sciences to provide a healthful, safe, and secure environment for all patients, students, employees, and guests. It is the responsibility of the Hospital's security staff to safeguard all parties mentioned above as well as Hospital and School property, including student housing offered through the Delta Apartments.

If you wish to obtain a copy of the Campus Crime Report, please contact the Office of Admissions. This report is published annually, and includes information about substance abuse and campus security policies, procedures, practices, and statistics.

Family Educational Rights And Family Act Of 1974

Reading Hospital School of Health Sciences maintains student education records on a confidential basis in accordance with the Family Educational Rights and Privacy Act of 1974.

PROGRAM EFFECTIVENESS DATA (PED)

The Medical Imaging Program gathers program effectiveness data (PED) as defined by its national accreditor: the Joint Review Committee on Education in Radiologic Technology (JRCERT) (20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182, 312-704-5300 www.jrcert.org).

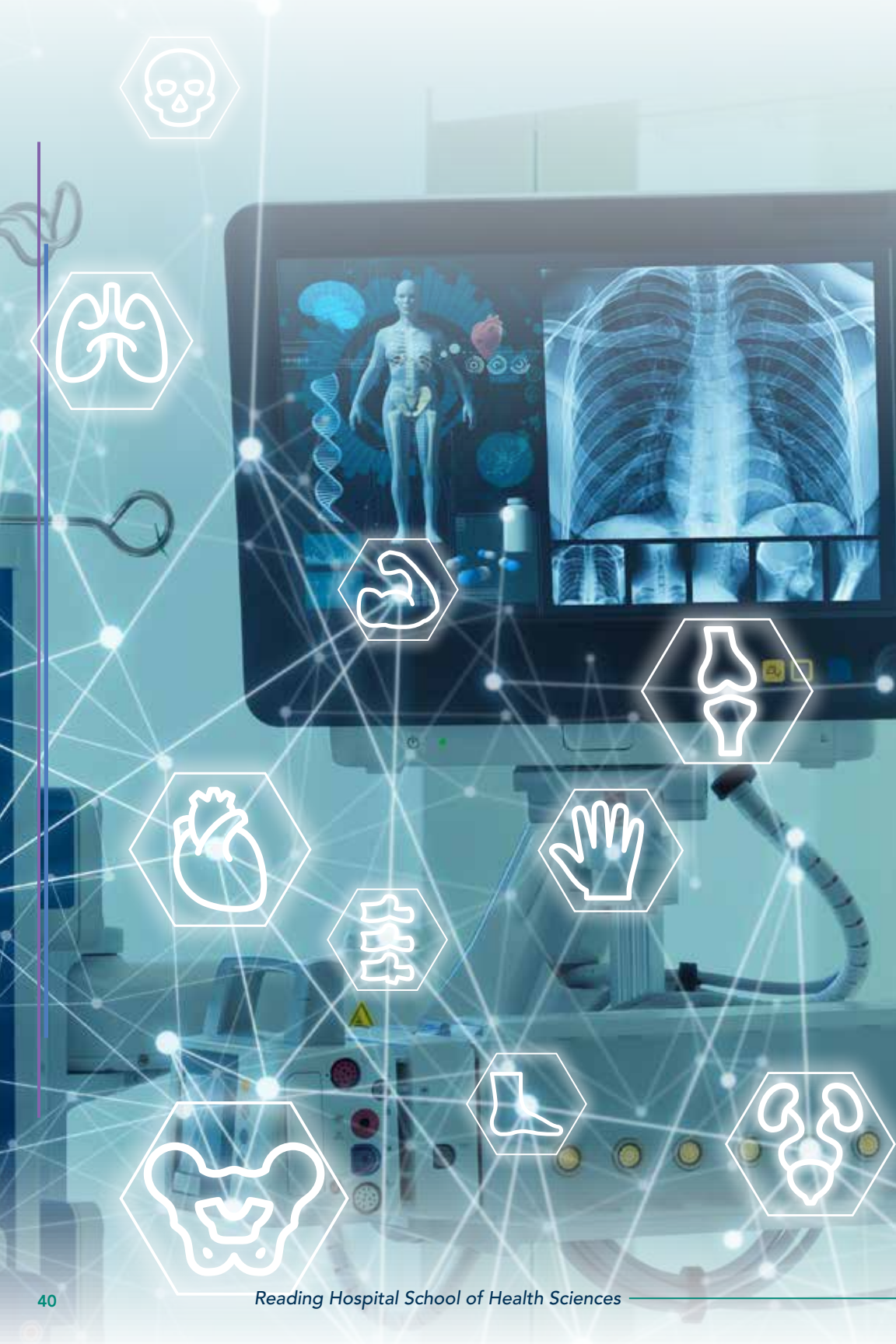
Program effectiveness data (PED) includes:

- annual program completion rate;
- five-year average credentialing examination pass rate;
- five-year average job placement rate.

Program effectiveness data (PED) is published annually.

Public access to program effectiveness data (PED) for all JRCERT accredited programs is also available via the JRCERT website: <http://www.jrcert.org/resources/program-effectiveness-data> or specifically for Reading Hospital School of Health Sciences Medical Imaging Program via our website: <https://reading.towerhealth.org/app/files/public/4220/MIP-Program-Effectiveness-Data.pdf>.





Reading Hospital School of Health Sciences

1025 Old Wyomissing Road
Reading, PA 19611



A A-Building

B B-Building

C C-Building

D D-Building

DOB Doctors Office Building
Occupational Health
(RSHS Student Health)

E E-Building

J J-Building

K K-Building

N N-Building

R R-Building

SHS Reading Hospital School of Health Sciences

SP Spruce Pavilion

U U-Building

Reading HealthPlex Reading HealthPlex

Other Buildings

CDC Child Development Center

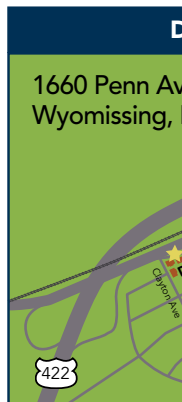
G G-Building
Photo ID Badges

I I-Building

L L-Building

M M-Building

S S-Building



CAMPUS MAP



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