

**MARQUETTE GENERAL HEALTH SYSTEM
SCHOOL OF RADIOGRAPHY**

PROGRAM: Medical Imaging Sciences - Radiography

**PROGRAM
TYPE:** Post-Secondary - Hospital-Based

ACCREDITATION: Joint Review Committee on Education in Radiologic Technology
20 N Wacker Drive, Suite 2850
Chicago, IL 60606-3182

DEGREE: Associate Degree in Allied Health may be achieved from:
Northern Michigan University
Finlandia University

LICENSURE: American Registry of Radiologic Technology
1255 Northland Drive
St. Paul, MN 55120-1155

**STUDENT
CAPACITY:** 16 First Year
16 Second Year
This is a limited enrollment program.

PRE-REQUISITES: Approximately 35 credits general education courses

LENGTH: 21 Months (3200 Clock-hours)

APPLICATION: January 1 - May 1 (Annually)

DESCRIPTION: A **radiographer** uses ionizing radiation (x-rays) to produce images of the internal structures of the human body. A radiologist (doctor who specializes in the interpretation and diagnosis of disease or injury) views these images. A **radiographer** assists the radiologist with many procedures including: positioning the patient, administering contrast agents, operation of diagnostic imaging equipment, image processing, radiation exposure factors, and radiation protection. Computer and digital equipment are utilized. A **radiographer** must have good interpersonal skills to deal with patients and health care workers. With additional education a diagnostic imager may perform more specialized imaging procedures further assisting in the diagnosis of disease.

PROGRAM: Marquette General Health System School of Radiography is a post-secondary educational program founded in 1979 that offers a learning opportunity in the Radiologic Sciences; which allows a graduate the ability to prosper as a professional entry-level radiographer or seek further advancement through the diverse opportunities in diagnostic imaging. MGHs School of Radiography is a five-semester, consecutive 21-month program divided into theory and clinical practicum components. Radiologic Science courses are completed at Marquette General Health System and general education courses through Northern Michigan University or Finlandia University. All students will complete 35 credit hours of general education prior to their first semester at Marquette General. A student's first year clinical practicum is completed at Marquette General Health System. A student's

second year clinical practicum is varied between Marquette General and affiliate teaching sites. Program curriculum includes essential courses in anatomy and physiology, pathology, radiation physics, radiation biology and protection, patient care, radiographic procedures, diagnostic imaging equipment, imaging processes, computer operation, and medical and legal ethics.

FACUTLY:

Faculty members are highly credentialed, active in the profession of Radiologic Sciences, hold leadership positions in state organization and national honor societies, and published in prestigious journals. This combination of strong academic credentials and professional experience allows our faculty to guide our students through a meaningful learning experience that will prepare them for an entry-level role in diagnostic imaging.

**CAREER
OUTLOOK:**

The field of Diagnostic Imaging has advanced significantly over the past two decades with its introduction of new equipment and imaging modalities. Skilled diagnostic imagers are in demand throughout the United States and the world, with career opportunities in hospitals, private practices, education, product development, technical sales, and research.

**AVERAGE
SALARY:**

A graduate from our program as an entry-level radiographer averages \$18.00/Hour to \$23.00/Hour as a starting wage in our geographic area.

**TUITION
EXPENSES:**

Tuition is paid per semester. Billing will be completed by NMU or Finlandia University. Tuition charges are evaluated periodically and are subject to change.

Item	Expense
Tuition	\$7,454.00/Year/NMU dependant
Textbooks/Lab fees	950.00 (total – 2 years)
Professional Societies	78.00 (1 time fee)
Uniforms	250.00 (1 time fee)
Computer (laptop)/Printer	NMU /student provided
Total:	\$8,732.00/1 st Year (approx)

REFUNDS:

Tuition refunds are granted for students who withdraw from the program within specified time frames on the tuition refund schedule. The computed credit amount is credited to the student's account and all obligations are deducted. The balance is returned (prorated) to applicable payment sources. Any refund due to the student is issued by check.

**FINANCIAL
AID:**

Marquette General Health System School of Radiography is committed to making a quality education in the health professions available to all applicants. Our students participate in USDE Title IV financial aid. (94 percent of our students receive financial aid including: scholarships, grants, or loans)

CONTACT

INFORMATION:

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Marquette General Health System
School of Radiography
420 W. Magnetic St.
Marquette, MI 49855

(906) 225-4916
1 800 562-9753 ext. 4916
www.mgh.org/education/radsch

PHYSICAL

LOCATION:

Northern Michigan University
2102 University Center
Faculty offices: Room 2301 A Classroom: Room 2306

APPLICATION

PROCESS:

Marquette General Health System School of Radiography seeks to admit students who can provide evidence of potential to succeed in the health care profession of Radiologic Sciences. Applicants who meet the following criteria will be fully considered on an individual basis for admission.

ADMISSION

REQUIREMENTS: An applicant must:

- 1) Have the academic skills that will allow enrollment in college level general education courses such as College Composition and College Algebra. This may require testing through an Academic Skills Assessment Program (ASAP) administered by a college or university.
- 2) Complete all pre-requisite general educational courses with a cumulative GPA of 2.5 or above and a minimum grade of C in Writing and Literature/Technical Report Writing, Human Anatomy, and Human Physiology.
- 3) Never have been convicted of a crime (misdemeanor, gross misdemeanor, or felony – the only exceptions being speeding and parking violations). Conviction of a crime may affect a student's eligibility for licensure by the American Registry of Radiologic Technology (ARRT).

ADMISSION

POLICY:

Upon completion of admission requirements, student selection is based on the assessment of the following listed criteria under admission process. The admission process is completed in three parts. An applicant must meet all application requirements/deadlines from Part I and Part II to participate in Part III.

Student selection is based upon a point system for the following application criteria: Community Service/Healthcare Experience, Reference Letters, Supportive Course Cumulative GPA, and Interview/Letter of Intent/Job Shadow.

The top sixteen cumulative scores representative of a good academic standing, motivation, dedication, adaptability, good interpersonal skills, and a discernable interest in others will be accepted into the program.

In the event there are two or more applicants with the same point total, the highest GPA will be used to break the tie.

**ADMISSION
PROCESS:**

January 1 – May 1

Part I

Pre-requisite General Education Courses:

An applicant must complete all pre-requisite general education courses by August of application year. A list of general education courses is located under Curriculum Schedule. (Human Anatomy and Human Physiology must have been completed within a ten-year period). (A higher-level course may be substituted for MA 104, LB, CH 105, CIS 110, HL 101). Transfer courses will be evaluated by the university.

Admission Advisement Session:

Admission advisement session attendance is required prior to job shadowing and submission of application. Advisement sessions will be held in the School of Radiography Program classroom (NMU University Center – Room 2306). Sessions are scheduled in 2-hour blocks. Program faculty will provide definitions and information on the role and advancements of a radiographer, program highlights, program operations, and the application process. Attendance will award you a certificate of completion that must accompany your application as an attachment.

Advisement Session Dates:

October 16, 2009	10:00 am to 12:00 pm
February 12, 2010	10:00 am to 12:00 pm
May 14, 2010	10:00 am to 12:00 pm

To schedule your attendance at an advisement session please contact the School of Radiography at (906) 225-4916. You must pre-register to attend.

Part II

An applicant must submit the following by **May 1**:

- 1) A completed official program application/attachments.
 - a. Advisement Session certificate
 - b. Letter of Introduction/Intent
 - i. Maximum 3 pages
 1. Short autobiography (life experiences, hobbies, aspirations)
 2. Reasons for selecting Radiography as a future career
 3. Future short and long term goals
- 2) Official transcripts of all high school, college, or military courses. (Official transcripts must be mailed directly from the providing institution).
- 3) Three **professional** letters of recommendation.
 - a. List 3 professional references on program application
 - b. Print 3 copies of recommendation cover letter and recommendation form from MGHS program web site or application packet
 - c. Place your name at the top of the letter and form. Mail 1 cover letter, 1 recommendation form, and a stamped and addressed envelope to each of the listed references
 - d. Address envelope to:
Marquette General Health System
School of Radiography
420 W. Magnetic St.
Marquette, MI 49855

- 4) Provide documentation of at least 3 hours of job shadowing in a Diagnostic Imaging Department.
 - a. Documentation must be completed by a Diagnostic Imaging Department manager or supervisor (alternate facility)
 - b. Documentation may be completed by MGHS School of Radiography
 - i. Schedule a job shadow at MGHS (906) 225-4916
- 5) Meet the Performance Standards and Work Capacity for the profession of Diagnostic Imaging.
 - a. Read MGHS School of Radiography Performance Standards (found in application packet or web site)
 - b. Make a self assessment
 - c. Complete the 2 sections under Performance Standards on the program application

Part III

An applicant must:

- 1) Participate in a personal interview with the Admissions Committee
- 2) Demonstrate appropriate health requirements
- 3) Meet eligibility of ARRT licensure
- 4) Pass a Criminal Background Search

Application Point Award Criteria

All applicants will be evaluated equitably according to the following award point system. The highest-ranking applicants will be notified of acceptance into the program.

Community Service/Healthcare Experience

1 year or more	7 points
6 months or greater	6 points
20 or more hours	5 points
15-19 hours	4 points
10-14 hours	3 points
6-9 hours	2 points
5 hours	1 point

Reference Letters

3 favorable letters	3 points
2 favorable letters	2 points
1 favorable letter	1 point

Supportive Course Cumulative GPA

(College Composition II, Human Anatomy, Human Physiology, College Algebra)

3.8-4.0	7 points
3.6-3.79	6 points
3.4-3.59	5 points
3.2-3.39	4 points
3.0-3.19	3 points
2.8-2.99	2 points
2.7-2.79	1 point

Interview, Letter of Intent, Job Shadow		
Motivation	1-3 points	3 questions
Dedication	1-3 points	3 questions
Managing Change	1-3 points	3 questions
Accountability	1-3 points	3 questions
Interpersonal Skills	1-3 points	6 sections
Total/interviewer	55 points	

HEALTH STATUS:

Applicants are not screened before or at any time during the application process. Applicants accepted for admission are not to forward any health information to the program until instructed to do so via letter. Enrollment into and graduation from the Radiography Program is contingent upon an accepted candidate’s demonstration of the health requirements listed below.

1. Students will provide a copy of their immunization record. All documentation will be evaluated by a qualified practitioner to verify a student has demonstrated immunity to and is free of the following infectious diseases: Rubella, Rubeola (Measles), Varicella (Chicken Pox) and active Tuberculosis (TB). Students are required to submit a 2-step PPD skin test with the second test administered 1 to 3 weeks following the first administration. Students will complete and document an annual PPD skin test during their second year in the program.
2. Students are strongly urged to undergo the hepatitis B vaccination series. Students will provide documentation of the vaccination series including immunity to hepatitis B via a blood titer or sign a Hepatitis B declination form.

Applicants will be notified in writing of their acceptance into the program in June. Applicants, who are not selected in the initial round, are ranked highest to lowest according to their total award points and assigned alternate status. Alternates are offered enrollment in ranked order if a selected candidate declines admission or does not qualify based on health status or criminal background search. Alternate status terminates when the new school year begins in August. Those wishing to be considered for the following year must reapply. MGHS School of Radiography does not maintain an applicant waiting list.

GENERAL

INFORMATION: Students will complete an orientation in August, at which time they will receive the student handbook, clinical portfolio, and all pertinent information pertaining to the Program.

All students are eligible to use academic services at Northern Michigan University, Finlandia University, and Marquette General Health System.

Academic calendars, grading, policies, and graduation requirements are located on our web site, course syllabi, or the student policy manual.

A student’s academic and clinical performance will be evaluated at the end of each semester. To remain in good standing, an 80% or higher must be maintained in each academic course and an 83% or higher must be maintained in the clinical educational component (clinical practicum portfolio). Students failing to achieve these benchmarks

will be placed on probation with remediation. If the student fails remediation or is placed on probation for a second course while in remediation they will be reviewed for continuance in the program. Failure to raise scores to acceptable level will result in dismissal.

Requirements for graduation are as follows:

All academic assignments must be complete.

All clinical competency requirements must be complete.

All clinical education requirements and documentation must be complete.

Students must maintain a minimum average of 80% in each academic course.

Students must maintain a minimum average of 83% in each clinical practicum.

Students must complete a comprehensive final exam with an 80% or higher.

All tuition and fees must be paid in full.

Eligibility to write the ARRT examination is subject to review by the Program Director and Clinical Education Coordinator.

Marquette General Health System
School of Radiography
Faculty members
Admission Committee

Revised 7/09