Potential Careers

NMU’s Radiography Program prepares students for employment in the following careers:

Occupations
- Computed Tomography (CT)
- Magnetic Resonance Imaging (MRI)
- Mammography
- Radiography

Additional Resources and Info

For Career Planning and Opportunities:
Academic & Career Advisement Center
3302 C.B. Hedgcock
906-227-2971
www.nmu.edu/acac

School of Clinical Sciences
3515 West Science
906-227-2885
www.nmu.edu/cls

For Job Search, Resume and Career Information:
Career Services
3502 C.B. Hedgcock
906-227-2800
www.nmu.edu/careers

For Information about NMU Student Organizations Associated with this Major Contact:
Center for Student Enrichment
1206 University Center
906-227-2439
www.nmu.edu/cse

Internet Resource Links:
- www.careers.org
- www.careerresource.net

For Career Information with National Organizations:
- www.asrt.org American Society of Radiographic Technologist
- www.acr.org American College of Radiography
- www.arrt.org American Registry of Radiologic Technologists

Current as of Fall 2015
Provided by:

The Academic & Career Advisement Center
**Radiography**

A radiographer is an allied health professional that uses ionizing radiation (x-rays) to produce images of the internal structures of the human body. A radiographer assists the radiologist (doctor who specializes in the interpretation and diagnosis of disease or injury) by positioning the patient, administering contrast agents, operation of diagnostic imaging equipment, image processing, radiation exposure factors, and radiation protection.

**Skills and Competencies**

A radiographer must have good interpersonal skills to deal with patients and healthcare workers. Radiographers should be sensitive to a patient’s physical and psychological needs. They must pay attention to detail, follow instructions, and work as part of a team. Physical stamina is required in this occupation. Imagers are likely to be on their feet most of the day, may be required to lift or position their patients, and may have to perform radiographic procedures at a patient’s bedside. Computer and digital equipment skills are utilized. With additional education a diagnostic imager may perform more specialized imaging procedures further assisting in the diagnosis of disease.

**Course Work**

This degree includes the following courses as part of the program requirements, and specific major requirements along with liberal studies and graduation requirements.

**Radiography Core**
- RAD 109 Introduction to Radiography (2 cr.)
- RAD 261 Radiation Biology and Protection (2 cr.)
- RAD 262 Methods of Patient Care (3 cr.)
- RAD 263 Radiography Clinical Experience I (2 cr.)
- RAD 264 Radiographic Procedures I (5 cr.)
- RAD 265 Principles of Radiation Protection, Characteristics and Equipment (3 cr.)
- RAD 266 Radiography Clinical Experience II (6 cr.)
- RAD 267 Radiographic Procedures II (5 cr.)
- RAD 361 Diagnostic Image Production (3 cr.)
- RAD 362 Sectional Imaging and Anatomy (2 cr.)
- RAD 363 Radiography Clinical Experience III (4 cr.)
- RAD 364 Image Processing & Quality Management (3 cr.)
- RAD 365 Radiographic Pathology (2 cr.)
- RAD 366 Radiographic Clinical Experience IV (8 cr.)
- RAD 367 Issues in Radiography (1 cr.)
- RAD 368 Radiography Clinical Practicum V (8 cr.)

**Other Required Courses**
- BI 201 Human Anatomy (3 cr.)
- BI 202 Human Physiology (5 cr.)
- CH 105 Chemical Principles (4 cr.) or CH 109 Introductory Organic & Biochemistry I (4 cr.)
- CLS 100 Obtaining a Blood Specimen (1 cr.)
- HL 101 Medical Terminology for Health Educators (1 cr.)
- MA 104 College Algebra with App in the Sciences & Technologies (4 cr.)

**Career Development**

You should begin the resume-building process as soon as you can. The Academic and Career Advisement Center can assist you with career planning, while Career Services will help you fine tune your resume and look for jobs related to your field. In the meantime, the more hands-on experience you have, the better the chances are that you will find a job. Becoming involved in a professional related internship is a way to develop your professional skills and gain experience. Your academic course work is important as well, so be sure to maintain a high grade point average.

**Additional Considerations**

Radiography is a degree that requires 90 credits to complete. This should take approximately three years to finish all required classes.

Forty of the fifty states require additional licensing for the profession of radiography or radiology.

Higher prestige careers will require at least a bachelor’s degree and further experience. This degree can be used towards the Clinical Health Science bachelor’s degree.

**Job Outlook**

Radiography is expected to grow at a faster than average rate of 21% in the next ten years. The annual median salary for this profession is $55,910 or $26.88 per hour. Those with years of experience and additional qualifications may earn 20% or more of the median salary.

Detailed course descriptions can be found at www.nmu.edu/bulletin.