RADIOGRAPHIC IMAGING (RADIOGRAPHY)

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Radiographers are certified professionals that produce images through the use of x-rays. These images are an essential diagnostic tool that has played an important role in medicine for over a hundred years. The science of radiographic imaging is technology-driven with the use of computerized equipment common to every patient exam. Radiographers (X-ray technologists) work closely with other health care professionals in meeting the needs of patients with a compassionate approach.

The Radiographic Imaging Program provides students with the technical skills and knowledge to safely use radiation to produce diagnostic images. Courses in the curriculum focus on patient care, radiographic procedures, the science and technology behind the imaging process, radiobiology, and other general education courses. A diverse clinical education experience in a variety of clinical settings and with a range of patient populations supplements the campus lectures and labs with a strong emphasis on hands-on participation by all students.

A minimum of six semesters is required to successfully complete the Associate in Applied Science degree in Radiographic Imaging. Graduates are eligible to take the certifying examination in radiography by the American Registry of Radiologic Technologists (ARRT). Once ARRT certified, graduates are eligible to apply for a state license that is required to practice most states. Graduate radiographers have ample career opportunities that may include computed tomography, mammography, vascular interventional procedures, equipment sales, and with additional degree work, imaging education, and healthcare administration.

The Radiographic Imaging program is a partner in the Northwest Ohio Allied Health Consortium.

Mission Statement

The Radiographic Imaging Program prepares competent, professional radiographers.

Program Goals/Learning Objectives

Upon graduating from the Radiographic Imaging (Radiography) program, students will:

1. Demonstrate clinical competence.
   1.1 Position patients accurately.
   1.2 Select diagnostic exposure factors.
   1.3 Practice appropriate radiation safety.
2. Demonstrate effective communication skills.
   2.1 Demonstrate effective verbal communication skills.
   2.2 Demonstrate effective written communication skills.
3. Utilize critical thinking.
   3.1 Adapt routine procedures to accommodate patient condition.
   3.2 Demonstrate proficiency in radiographic patient analysis.
4. Demonstrate professionalism.
   4.1 Act professionally.
   4.2 Demonstrate cultural awareness.

Notice to Prospective or Current Radiographic Imaging Students

You are at risk if you have been convicted of a prior felony and/or some misdemeanors. You may not be able to participate in clinical education experiences at some hospitals or other clinical sites, thereby preventing you from completing the program. A criminal record may also prevent you from obtaining a license or certification in your chosen healthcare profession.

Technical Standards
See here for details.

Tech Prep Partner
See here for details.

"C" grade policy

- A minimum "C" (2.0) grade policy is required for graduation.
- A grade of "C" or higher must be achieved in all courses carrying the specific program prefix such as DHY, EMS, MAT, NSG, OTA, PNS, PTA, RAD, and RES.
- All programs and certificates require a grade of "C" (2.0) or better in required science courses and in required basic/related health science (BHS) courses as well as in selected general education and basic/related science courses (see program requirements).

All of the following required coursework needs to have been completed within five years of matriculation into a Health Sciences program or certificate.

Code	Title	Hours
BIO 1000	Basic Human Structure and Function	3
BIO 1110	Anatomy and Physiology I (This requirement may be waived by the Program Chair or Coordinator if the applicant is currently working in a healthcare field.)	4
BIO 1120	Anatomy and Physiology II (This requirement may be waived by the Program Chair or Coordinator if the applicant is currently working in a healthcare field.)	4
BIO 1400	Microbiology	4
BHS 1390	Medical Terminology	2
BHS 2110	Growth and Development: Lifespan	2
CHM 1120	Introductory Organic and Biochemistry	4
DTN 1220	Principles of Nutrition	2
NSG 1721	Pharmacology for Nursing	2

Criminal Background Checks and Drug Screening

To meet the expanding requirements of our clinical affiliates, both a criminal background check and a drug screen will be mandatory prior to clinical experiences for most students within the Division of Health Sciences and Public Service. Some program exceptions may apply. **You are at risk if you have been convicted of a prior felony and/or some misdemeanors. Students with certain felony, misdemeanor, or drug-related convictions will be ineligible for admission into clinical experiences. A criminal record may also prevent you from obtaining a license or certificate in your chosen healthcare profession or to obtain employment post-graduation.** Students admitted to a program containing

off-campus clinical/practicum experiences will be required to submit to drug screening. Positive drug screenings may result in dismissal from all clinical courses. Any student who refuses/fails to cooperate, or complete any required drug screening will be considered "positive" and dismissed from the clinical component of their program. All students requiring drug screening may be subject to random drug screens and for cause during the program.

Recommended High School Coursework

Students are encouraged to complete college prep classes in high school. Although not required, the courses provide a better understanding of college-level work. Recommended college prep courses include:
English: 4 units
Math: 4 units
Natural Science: 3 units
Social Science: 3 units

Health Insurance

The Division of Health Sciences and Public Services is committed to protecting students, faculty, and patients from infectious diseases during clinical practice and taking every reasonable precaution to provide a safe educational and work environment. All new students entering the health-related programs will be informed of the risks of blood-borne and other infectious diseases. Students with a high risk of infectious diseases should be aware of their own health status and risk of exposure to other students, employees, or patients involved in the clinical environment. All students are required to provide their own health insurance coverage for the duration of their program and be able to provide proof of insurance if requested.

Radiation Monitoring

For educational and training purposes, students under the age of 18 are held to the same radiation exposure limits as members of the general public (1mSv/year). This limit is 1/50 that of the occupational exposure limit which is 50mSv/year (National Council on Radiation Protection and Measurements). The occupational radiation exposure of radiologic personnel engaged in general x-ray activity are typically considerably lower exposures than this limit. All students are issued personnel monitoring devices to wear while in areas of possible radiation exposure.

Radiographic Imaging (Radiography) Associate of Applied Science Degree

Structured Course Sequence (6 Semester Plan)

First Year		
Summer		**Hours**
SDE 1010	First Year Experience	1
MTH 1370	College Algebra	4
BIO 1110	Anatomy and Physiology I	4
RAD 1410	Introduction to Radiography	2
	Term Hours	**11**
Fall		
BIO 1120	Anatomy and Physiology II	4
BHS 1390	Medical Terminology	2
RAD 1210	Principles of Imaging I	3
RAD 1310	Radiographic Procedures I	3
	Term Hours	**12**
Spring		
COM 1110	English Composition	3
RAD 1510	Clinical Education I - Radiography	3
RAD 1220	Principles of Imaging II	3
RAD 1320	Radiographic Procedures II	3
	Term Hours	**12**
Second Year		
Summer		
BHS 1160	Medical Law-Ethics Healthcare	2
RAD 1520	Clinical Education II - Radiography	4
	Term Hours	**6**
Fall		
PSY 1010	General Psychology	3
RAD 2510	Clinical Education III - Radiography	3
RAD 2210	Principles of Imaging III	3
RAD 2310	Radiographic Procedures III	3
	Term Hours	**12**
Spring		
COM 2213	Verbal Judo	3
RAD 2520	Clinical Education IV - Radiography	3
RAD 2220	Radiation Biology	3
RAD 2320	Radiographic Patient Analysis	2
RAD 2490	Selected Topics in Radiography	1
	Term Hours	**12**
	Total Hours	**65**

NOTE: A minimum of 14 credit hours of clinical courses is required for graduation.

Code	Title	Hours
RAD 1510	Clinical Education I - Radiography	3
RAD 1520	Clinical Education II - Radiography	4
RAD 2510	Clinical Education III - Radiography	3

RAD 2520	Clinical Education IV - Radiography	3
RAD 2590	Clinical Education Seminar - Radiography	1-4
Total Hours		**14-17**

Must successfully complete RAD 1510 Clinical Education I - Radiography and RAD 2520 Clinical Education IV - Radiography. Radiographic Imaging students are admitted once per year in the Summer Semester. A grade of "C" or better is required for all BHS, BIO and RAD courses.

- Portfolio course
- Capstone course

Prerequisites:
Students should check course prerequisites before registering.

All students who apply for acceptance into the Radiographic Imaging program have their names placed on a qualified list **after** they meet the program qualifications listed below.

Please contact Advising for the information packet. Students seeking admission are encouraged to review the qualification requirements early due to the amount of time required to complete the process. **The application deadline is the second Friday in February for the application year**.

In addition to the general admission requirements for all students, the following specific requirements must be completed before being added to qualified list:

1. Attend a mandatory program briefing.
2. Complete 16 hours of observation in a clinical setting with a Registered Technologist in Radiography using the Observation Form in the information packet.
3. Achieve an overall college GPA and program-related GPA of 2.75 or higher. (Program-related GPA is defined as the average GPA of program specific coursework excluding SDE 1010). For high school senior applicants without college level course work, high school grades through the first nine weeks of the senior year will be used to calculate the GPA.
4. Complete and score a minimum of 60 on the Test of Essential Academic Skills (ATI TEAS) assessment exam.
5. Complete all developmental prerequisites if applicable
6. Submit the Radiographic Imaging application sent by Advising prior to the stated deadline.

The Radiographic Imaging program admits one time per year for Summer Semester.

The Radiographic Imaging Program is accredited by the:

Joint Review Committee on Education in Radiologic Technology
20 North Wacker Drive, Suite 2850
Chicago, IL 60606-3182
(312) 704-5300
e-mail: mail@jrcert.org

The program has held this accreditation status since inception in 1976.