

Radiography

Associate in Applied Science Degree

Why Radiography?

The Associate in Applied Science in Radiography is designed to enable students to gain entry level employment in the healthcare setting and work as a radiographer. In this program, Students learn to capture images of patients' internal organs, soft tissues, and bone using X-ray equipment. You would be prepared to assist a radiologist with a range of procedures, such as fluoroscopic imaging or gastrointestinal exams that require the use of contrast media. Radiographers also assist in the operating room in a variety of vascular, orthopedic, and neurological surgeries. These learned competencies will help a student succeed in the workforce.

Why Bay College?

The [Radiography program](#) at Bay College helps students develop a general knowledge of radiography services to attain an entry level position in the field of radiography. The program will provide the imaging skills required to perform duties as a radiologic technologist.

Beyond Bay College

Students interested in transferring to a four-year institution to obtain a bachelor's degree or higher may find opportunities in the following areas of study:

- **BAS in Radiologic Technology**
- **Healthcare Administration**

Contact

Bay College
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Escanaba, MI 49829

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Iron Mountain, MI 49801

Office of Admissions
906-217-4010
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baycollege.edu



Radiography, AAS

Award Granted Upon Completion:

Credits/Contacts Required: **68/70**

Associate in Applied Science in Radiography

Major code: 03/376

CIP Code: 510911

Description

The Radiography Program is offered through a partnership between Bay College and the Michigan Workforce Training and Education Collaborative (MWTEC). Educational Programs in Collaboration (EpiC) consortium for the purpose of sharing instructional resources to offer healthcare program. Each college enrolls students in the program under the college's admission criteria and each awards the degree according to that college's requirements.

The curriculum is formulated on the principle that the student radiographer's education should blend knowledge and skills derived from a program of studies including the humanities, natural sciences, mathematics, social sciences, computer sciences, health principles, and communication skills with radiography principles in developing the skills needed to enter the field as a beginning practitioner. As a member of the patient-oriented team of health occupation specialists, the radiographer utilizes basic knowledge and skills to contribute to patient care in the provision of diagnostic services as indicated by patient needs.

All EpiC Consortium Radiography program partners are accredited by the Higher Learning Commission. Upon completion of the program, the students will complete the ARRT Radiography Certification exam (www.arrt.org).

Requirements for Radiography Program

Prior to entrance into the program, the Bay College Department of Allied Health requires students to successfully pass the following; criminal background check, a drug test, American Heart Association BLS for the Healthcare Provider, and the Certificate of Physical Fitness Form completed by your physician. Along with the Certification of Fitness, students must also have proof they are immunized for specific contagious diseases. Facilities may have additional requirements, which a student will also need to meet and is communicated to students by the department. The Department of Allied Health has the student orders a background check, drug screening, and immunization tracker. This package & liability insurance is billed in your first semester tuition. The program requires specific technology requirements that may require the purchase of a specific computer that will run the required simulation software.

Course Sequence Per Semester

First Semester-Pre-Requisite Semester- Students must have the following classes complete by May of each year to be awarded a seat to being in Fall of that Year. Students must pass classes with a "C" or better to progress in RAD classes.

BIOL 213 - Anatomy & Physiology I Credit(s): 4

HLTH 118 - Medical Terminology I Credit(s): 3

A student may need to complete MATH 105 as it is a prerequisite to MATH 110 in the program, or a student can complete the ALEKS and must score ≥ 46 .

First Semester Total - Credit(s): 7 | Contacts: 8

Second Semester Fall- A student must be awarded a seat to start RAD Classes. Official award correspondence arrives via email from Allied Health Student Success Manager. Awarding of a seat happens in June of each year. We award no more than eight Upper Michigan seats for Fall 2024.

BIOL 214 - Anatomy & Physiology II Credit(s): 4

ENGL 101 - Rhetoric & Composition Credit(s): 3

RAD 100 - Introduction to Rad Tech Credit(s): 3

RAD 110 - Radiation Physics Credit(s): 2

RAD 113 - Radiation Biology Credit(s): 1

Second Semester Total - Credit(s): 13 | Contacts: 14

Third Semester Winter

COMM 103 - Interpersonal Communication Credit(s): 3

MATH 110 - College Algebra Credit(s): 4

RAD 115 - Principles of Rad. Exposure Credit(s): 3

RAD 130 - Radiographic Positioning I Credit(s): 4

RAD 213 - Radiation Protection Credit(s): 1

Third Semester Total - Credit(s): 15 | Contacts: 15

Fourth Semester Summer

RAD 175 - Radiographic Positioning II Credit(s): 3

RAD 180 - Clinical Education I Credit(s): 3

Fourth Semester Total - Credit(s): 9 | Contacts: 9

Fifth Semester Fall

RAD 201 - Clinical Issues in Radiography I Credit(s): 2

RAD 205 - Clinical Education II Credit(s): 3

RAD 217 - Advancements in Imaging Credit(s): 2

SOCY 151 - Sociology Credit(s): 3

Fifth Semester Total - Credit(s): 10 | Contacts: 10

Sixth Semester Winter

RAD 221 - Clinical Issues in Radiography II Credit(s): 2

RAD 250 - Clinical Education III Credit(s): 3

RAD 211 - Sectional Anatomy Credit(s): 3

Sixth Semester Total - Credit(s): 8 | Contacts: 8