

2023-24 ACADEMIC PROGRAMS

RADIOGRAPHY (APRAD)

Associate in Applied Science

This program prepares students for a career in diagnostic radiology as a radiographer. A radiographer is a technologist who produces images of the human body to aid physicians in the diagnosis and treatment of injuries and diseases. The program curriculum includes a series of courses offered in conjunction with individualized laboratory work and an extensive clinical experience in local hospitals. Upon completion of the program, the student will receive an Associate in Applied Science Degree in Radiography and is eligible to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT).

This is a **high demand, high skill** and **high wage** program as defined by the [Michigan Community College Network](#).

Accreditation

The program is accredited by the [Joint Review Committee on Education in Radiologic Technology](#)

Length of Accreditation Award: – 8 years

Next Scheduled Review - 02/01/2029

For more information about the accreditation status of the radiography program, use [this link](#) or contact:

JRCERT
20 N. Wacker Drive, Suite 2850
Chicago, IL 60606-3182
Phone: 312-704-5300
Fax: 312-704-5304
Email: mail@jrcert.org
Website: www.jrcert.org

Do you have another career in mind? [Search for careers](#)

Description

This program prepares students for a career in diagnostic radiology as a radiographer. A radiographer is a technologist who produces images of the human body to aid physicians in the diagnosis and treatment of injuries and diseases. The program curriculum includes a series of courses offered in conjunction with individualized laboratory work and an extensive clinical experience in local hospitals. Upon completion of the program, the student will receive an Associate in Applied Science Degree*** in Radiography and is eligible to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Radiographers work in a variety of settings including hospitals, clinics, doctors' offices and industry.

The program is accredited by the Joint Review Committee on Education in Radiologic Technology

<http://www.jrcert.org/>

20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

For more detailed information regarding the Radiography Program, please visit the radiography web page at <https://www.wccnet.edu/learn/departments/alhd/radiography/>.

Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Washtenaw Community College uses a competitive admission process for high demand programs in health care. Each year, approximately 32 students are accepted to the program for a Spring/Summer semester start. There are multiple requirements that must be completed prior to submitting an application for admission. This is a full-time program; no part-time option is available. For detailed information regarding admission to this health care program, please visit our Health Care website at <https://www.wccnet.edu/learn/departments/alhd/>.

Prerequisite and program requirements along with WCC's point system and scales are reviewed annually and subject to change. Students are expected to meet the prerequisite and program requirements of the catalog term for the semester in which they first begin the program. Details regarding WCC's Admission to High Demand Programs policy including priority levels are on WCC's Board of Trustees policy page: <https://www.wccnet.edu/trustees/policies/2005/>. Details regarding WCC's point scales that are used to calculate points are on WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/>.

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite courses:
 - a. MTH 125, MTH 160 or MTH 176 or a math course numbered 176 or higher with a minimum grade of C/2.0.
 - b. HSC 101 or HSC 124 with a minimum grade of B-/2.7.
 - c. BIO 109 or BIO 111 with a minimum grade of C+/2.3.
 - d. RAD 100 with a minimum grade of B-/2.7.
3. Signed Abilities Statement (refer to the admission packet). WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to this program.
4. Residency verification.

5. Students admitted to the program must be 18 years of age before the start of the fall semester in the first year of the program.

Applying for Admission to the Program

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Student Welcome Center, Health and Second Tier Program, information page <https://www.wccnet.edu/start-now/degree/2nd-tier/>. Completed and signed applications must be submitted during the dates indicated on the application to the Health and Second Tier Admissions Office in the Student Welcome Center, located on the second floor of the Student Center Building.

Requirement After Acceptance

Upon notification of acceptance to the program, students must purchase an account from a college-designated vendor to obtain a criminal background check. Specific information on the college-designator vendor, health records and deadline dates will be included in the program acceptance letter and/or provided at the mandatory orientation session.

Continuing Eligibility

1. Additional criminal background checks may be conducted at any time during the program. Students may be required to have drug testing as well as additional criminal background checks and/or fingerprinting prior to the start of a clinical sequence as requested by specific clinical facilities. Failure to receive an acceptable drug test and/or criminal background/fingerprinting check at any time, will result in dismissal from the program unless the student has documentation from ARRT of their eligibility to take the certification exam.
2. Students will be required to attend a hospital orientation session prior to starting their clinical rotation.
3. Students will be required to submit health records annually while in the program and must complete any other health requirements as designated by the clinical sites.
4. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
5. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program. Failure to demonstrate continued competency will result in dismissal from the program.
6. All Radiography (RAD) courses must be completed with a minimum grade of C-/1.7 and all support courses to the program must be completed with a minimum grade of C/2.0 unless otherwise specified.
7. Students must have reliable transportation to clinical education sites which may require a commute of up to one hour.
8. Students who are dismissed from the program may not be eligible to reapply to the program.

Course Requirements

Major/Area Requirements

Class	Title	Minimum Credits
BIO 109 or BIO 111	Essentials of Human Anatomy and Physiology* Anatomy and Physiology - Normal Structure and Function*	4
HSC 101 or HSC 124	Healthcare Terminology* Medical Terminology*	1
MTH 125 or MTH 160 or MTH 176 or	Everyday College Math* Basic Statistics* College Algebra*	3
RAD 100	Any Math Level 4 or Higher Course* Introduction to Diagnostic Imaging*	2
Total		10

Semester 1 (Spring/Summer)

Class	Title	Minimum Credits
ENG 111	Composition I**	4
RAD 101	Methods in Patient Care	1
RAD 103	Medical Professionalism in Clinical Radiography	1
RAD 111	Fundamentals of Radiography	2
Total		8

Semester 2 (Fall)

Class	Title	Minimum Credits
COM 101 or COM 102	Fundamentals of Speaking** Interpersonal Communication**	3
RAD 110	Clinical Education	2
RAD 112	Radiographic Positioning I	2
RAD 124	Principles of Radiographic Exposure	2
RAD 125	Radiographic Procedures and Related Anatomy	3
Total		12

Semester 3 (Winter)

Class	Title	Minimum Credits
	Social and Behavioral Science Elective (PSY 100 or SOC 100)**	3
RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	2
RAD 215	Radiography of the Skull	2
Total		9

Semester 4 (Spring/Summer)

Class	Title	Minimum Credits
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3
Total		6

Semester 5 (Fall)

Class	Title	Minimum Credits
RAD 190	Physical Foundations of Radiography	3
RAD 217	Clinical Education	3
RAD 222	Pharmacology in Diagnostic Imaging	2
RAD 235	Pathology for Radiographers	3
Total		11

Semester 6 (Winter)

Class	Title	Minimum Credits
PHL 244	Ethical and Legal Issues in Health Care	3
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 232	Digital Imaging in Radiography	2
Total		10

Semester 7 (Spring/Summer)

Class	Title	Minimum Credits
RAD 240	Clinical Education	2
Total		2

Total Credits Required: 68**Footnotes**

*These courses must be taken before being admitted to the program.

**These courses may be taken before admissions to the Radiography program. (It is strongly advised that students complete the general education courses before entering the Radiography program.) Students can transfer or substitute equivalent general education courses required for the Radiography program. Contact the program advisor for approval.

***Students who are planning to transfer to a 4-year university should follow the Michigan Transfer Agreement (MTA). See an academic advisor for more information.

Accurate as of 03/24/2023 Information is subject to change without notice.