

RADIOGRAPHY (AAS)

Catalog Effective Term: Fall 2024

Program Code: APRAD

Credential: Associate in Applied Science

High Demand Occupation, High Skill Occupation, High Wage Occupation

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.

* 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.

The program is accredited by:

Joint Review Committee on Education in Radiologic Technology
20 N. Wacker Drive, Suite 2850
Chicago, IL 60606-2901
(312)704-5300
<http://www.jrcert.org/>

For more detailed information regarding the Radiography Program, please visit the radiography web page at <http://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: <http://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

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 <http://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.

Program Admission 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 <http://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: <http://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: <http://www.wccnet.edu/start-now/degree/2nd-tier/>.

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite courses:
 - a. MTH 125 Everyday College Math, MTH 160 Basic Statistics or MTH 176 College Algebra or a math course numbered 176 or higher with a minimum grade of C/2.0.
 - b. HSC 101 Healthcare Terminology or HSC 124 Medical Terminology with a minimum grade of B-/2.7.
 - c. BIO 109 Essentials of Human Anatomy and Physiology or BIO 111 Anatomy and Physiology - Normal Structure and Function with a minimum grade of C+/2.3.
 - d. RAD 100 Introduction to Diagnostic Imaging with a minimum grade of B-/2.7.
3. Technical Standards (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.

Continuing Eligibility Requirements

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.

2 Radiography (AAS)

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.

Minimum Credits Required for the Program: 68

| Course | Title | Credits |
|--|---|-----------|
| Major/Area Requirements | | |
| Program Prerequisite Courses: | | |
| RAD 100 | Introduction to Diagnostic Imaging ¹ | 2 |
| Select one of the following: | | 4 |
| BIO 109 | Essentials of Human Anatomy and Physiology ¹ | |
| BIO 111 | Anatomy and Physiology - Normal Structure and Function ¹ | |
| Select one of the following: | | 1 |
| HSC 101 | Healthcare Terminology ¹ | |
| HSC 124 | Medical Terminology ¹ | |
| Select one of the following: | | 3 |
| MTH 125 | Everyday College Math ¹ | |
| MTH 160 | Basic Statistics ¹ | |
| MTH 176 | College Algebra ¹ | |
| Any Math Level 4 or Higher Course ¹ | | |
| Credits | | 10 |
| Semester 1 | | |
| Spring/Summer | | |
| ENG 111 | Composition I ² | 4 |
| RAD 101 | Methods in Patient Care | 1 |
| RAD 103 | Medical Professionalism in Clinical Radiography | 1 |
| RAD 111 | Fundamentals of Radiography | 2 |
| Credits | | 8 |
| Semester 2 | | |
| Fall | | |
| 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 |
| Select one of the following: ² | | 3 |
| COM 101 | Fundamentals of Speaking | |
| COM 102 | Interpersonal Communication | |
| Credits | | 12 |
| Semester 3 | | |
| Winter | | |
| RAD 120 | Clinical Education | 2 |
| RAD 123 | Radiographic Positioning II | 2 |

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|---|---|-----------|
| RAD 215 | Radiography of the Skull | 2 |
| Select one of the following Social and Behavioral Science Electives: ² | | 3 |
| PSY 100 | Introduction to Psychology | |
| SOC 100 | Principles of Sociology | |
| Credits | | 9 |
| Semester 4 | | |
| Spring/Summer | | |
| RAD 150 | Clinical Education | 3 |
| RAD 218 | Radiation Biology and Protection | 3 |
| Credits | | 6 |
| Semester 5 | | |
| Fall | | |
| 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 |
| Credits | | 11 |
| Semester 6 | | |
| Winter | | |
| 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 |
| Credits | | 10 |
| Semester 7 | | |
| Spring/Summer | | |
| RAD 240 | Clinical Education | 2 |
| Credits | | 2 |
| Total Credits | | 68 |

¹ These courses must be taken before being admitted to the program.

² 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.