

Program Information Report**Health Sciences****Radiography (APRAD)****Associate in Applied Science Degree****Program Effective Term: Winter 2026****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.

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:

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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/>.

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2. Program prerequisite courses:

a. MTH 125 or MTH 125X, MTH 160 or MTH 160X, 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. 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.

Program Information Report

4. Residency verification.
5. Students admitted to the program must be 18 years of age by August 20th of their first fall semester in the program.

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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.
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.

Major/Area Requirements (10 credits)

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

Semester 1 (Spring/Summer) (8 credits)

ENG 111 or	Composition I**	
ENG 111X	Composition 1**	4
RAD 101	Methods in Patient Care	1
RAD 103	Medical Professionalism in Clinical Radiography	1
RAD 111	Fundamentals of Radiography	2

Semester 2 (Fall) (12 credits)

COM 101 or	Fundamentals of Speaking**	
COM 102	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

Semester 3 (Winter) (9 credits)

Elective	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

Semester 4 (Spring/Summer) (6 credits)

RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Semester 5 (Fall) (11 credits)

RAD 190	Physical Foundations of Radiography	3
RAD 217	Clinical Education	3
RAD 222	Pharmacology in Diagnostic Imaging	2

Program Information Report

RAD 235	Pathology for Radiographers	3
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Semester 6 (Winter) (10 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

Semester 7 (Spring/Summer) (2 credits)

RAD 240	Clinical Education	2
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Minimum Credits Required for the Program: 68

Notes:

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

Completion of MTH 125X or MTH 160X will not raise the student's Academic Math Level to 3, which is required for at least one course or course prerequisite in this 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.*

PROGRAM CHANGE FORM

Program Code: APRAD	Current Program Name: Radiography	Effective Term: Winter 2026
Division Code: HLT	Department: Allied Health	

Directions:

1. Attach the current program listing from the WCC catalog or website and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using CurricUNET, but should be submitted at the same time as the program change form.
4. If changes affect the program assessment plan or if program outcomes are updated, please submit a [Program Assessment Plan Change](#) form. These changes must be approved separately from the program change form and should be submitted at the same time. Current program assessment plans can be found on the [Curriculum and Assessment Program Information page](#).

Requested Changes:

- ☐ Remove course(s): _____
☒ Add course(s): Add the or "ENG 111X" option _____
☐ Program title (new title is _____)
☐ Description
☐ Advisors
☐ Program admission requirements
☐ Continuing eligibility requirements

- ☐ Program outcomes (may also result from removing or adding a course)*
☐ Program assessment plan*
☐ Accreditation information
☐ Other _____

Note: A change to the Award Type requires the submission of a new program proposal form and a separate program inactivation form. Contact the Director of Curriculum & Assessment for more information.

Show all changes on the catalog page you attach.

* Please submit a [Program Assessment Plan Change](#) form.

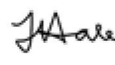
Rationale for proposed changes:

Adjusting ENG course requirement language to include the co-requisite support course.

Financial/staffing/equipment/space implications:**List departments that have been consulted regarding their use of this program.****Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	William Nelson	William Nelson, MA, RT(R) Digitally signed by William Nelson, MA, RT(R) Date: 2025.04.24 13:38:18 -0400	4/24/25
Department Chair	Kristina Sprague	Tina Sprague, BS, RDA, CDA, FADAA Digitally signed by Tina Sprague, BS, RDA, CDA, FADAA Date: 2025.04.24 13:40:37 -0400	4/24/25
Division Dean/Administrator	Shari Lambert	Shari Lee Lambert, DNP, RN Digitally signed by Shari Lee Lambert, DNP, RN Date: 2025.06.02 10:22:21 -0400	
Please return completed form to the Office of Curriculum & Assessment, SC 257 or by e-mail to curriculum.assessment@wccnet.edu Once reviewed by the appropriate faculty committees we will secure the signature of the VPI.			
Reviewer	Print Name	Signature	Date

PROGRAM CHANGE FORM

Reviewer	Print Name	Signature	Date
Curriculum Committee Chair	Randy Van Wagnen	RVanWagnen	6/10/25
Assessment Committee Chair	Jessica Hale		6/10/25
Executive Vice President for Instruction	Dr. Brandon Tucker	Brandon Roderick Tucker PhD Digitally signed by Brandon Roderick Tucker PhD Date: 2025.06.12 12:33:56 -04'00'	6/12/25

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Reviewed by C&A Committee 6/6/25

Program Information Report**Health Sciences****Radiography (APRAD)****Associate in Applied Science Degree****Program Effective Term: Fall 2025****High Demand Occupation High Skill Occupation High Wage Occupation**

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Program Information Report

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Associate in Applied Science Degree

Program Effective Term: Winter 2025

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RAD 217	Clinical Education	3
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RAD 235	Pathology for Radiographers	3

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Semester 6 (Winter)		(10 credits)
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RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 232	Digital Imaging in Radiography	2

Semester 7 (Spring/Summer)		(2 credits)
RAD 240	Clinical Education	2

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WASHTENAW COMMUNITY COLLEGE

PROGRAM CHANGE FORM

Program Code: APRAD	Current Program Name: Radiography	Effective Term: Winter 2025
Division Code: HLT	Department: Allied Health	

Directions:

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Requested Changes:

- | | |
|--|---|
| ☐ Remove course(s): _____ | ☐ Program outcomes (may also result from removing or adding a course)* |
| ☒ Add course(s): <u>MTH 125X, MTH 160X</u> | ☐ Program assessment plan* |
| ☐ Program title (new title is _____) | ☐ Accreditation information |
| ☐ Description | ☒ Other <u>Footnote</u> |
| ☐ Advisors | |
| ☒ Program admission requirements | |
| ☐ Continuing eligibility requirements | |

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Show all changes on the catalog page you attach.

* Please submit a [Program Assessment Plan Change](#) form.

Rationale for proposed changes:

Adjusting MTH prerequisite language to reflect changes due to discontinuation of Development Education courses.

Financial/staffing/equipment/space implications:**List departments that have been consulted regarding their use of this program.****Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	William Nelson		10/10/2024
Department Chair	Kristina Sprague		10/10/2024
Division Dean/Administrator		Shari Lee Lambert, DNP, RN Digitally signed by Shari Lee Lambert, DNP, RN Date: 2024.10.11 14:51:00 -04'00'	
Please return completed form to the Office of Curriculum & Assessment, SC 257 or by e-mail to curriculum.assessment@wccnet.edu Once reviewed by the appropriate faculty committees we will secure the signature of the VPI.			
Reviewer	Print Name	Signature	Date

PROGRAM CHANGE FORM

Curriculum Committee Chair	Randy Van Wagnen	<i>Randy Van Wagnen</i>	10/18/24
Assessment Committee Chair	Jessica Hale	Jessica Hale	Digitally signed by Jessica Hale Date: 2024.10.18 15:05:05 -04'00'
Executive Vice President for Instruction	Dr. Brandon Tucker	Brandon Roderick Tucker	Digitally signed by Brandon Roderick Tucker Date: 2024.10.19 13:07:07 -04'00'

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Reviewed by C&A Committees 10/17/24

Program Information Report

Health Sciences

Radiography (APRAD)

Associate in Applied Science Degree

Program Effective Term: Fall 2023

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.

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>.

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.

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 <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. 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.

Program Information Report

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.
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.

Major/Area Requirements (10 credits)

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

Semester 1 (Spring/Summer) (8 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

Semester 2 (Fall) (12 credits)

COM 101 or	Fundamentals of Speaking**	
COM 102	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

Semester 3 (Winter) (9 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

Semester 4 (Spring/Summer) (6 credits)

RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Semester 5 (Fall) (11 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

Semester 6 (Winter) (10 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

Program Information Report

Semester 7 (Spring/Summer)**(2 credits)**

RAD 240 Clinical Education 2

Minimum Credits Required for the Program:**68****Notes:**

*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.

Program Information Report

Health Sciences

Radiography (APRAD)**Associate in Applied Science Degree****Program Effective Term: Fall 2020****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.

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

<http://health.wccnet.edu/radiography/>.

Articulation:

Eastern Michigan University, several BS degrees;

University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

<http://www.wccnet.edu/curriculum/articulation/levelone/colleges/>.

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 Connection, Health and Second Tier Program, information page <http://www.wccnet.edu/studentconnection/admissions/health-second-program/> . 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 Connection, 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://health.wccnet.edu>.

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 Connection, Health and Second Tier Program, information page:

<http://www.wccnet.edu/studentconnection/admissions/health-second-program/> .

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.

Program Information Report

4. Residency verification.

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.
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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.

Major/Area Requirements (10 credits)

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

Semester 1 (Spring/Summer) (8 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

Semester 2 (Fall) (12 credits)

COM 101 or	Fundamentals of Speaking**	
COM 102	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

Semester 3 (Winter) (9 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

Semester 4 (Spring/Summer) (6 credits)

RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Semester 5 (Fall) (11 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

Semester 6 (Winter) (10 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

Program Information Report

Semester 7 (Spring/Summer)**(2 credits)**

RAD 240 Clinical Education 2

Minimum Credits Required for the Program:**68****Notes:**

*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.

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: APRAD

Program Name: Radiography

Effective Term: Fall 2020

Division Code: HLT

Department: Allied Health

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☒ Program admission requirements |
| ☐ Remove course(s): _____ | ☐ Continuing eligibility requirements |
| ☐ Add course(s): _____ | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☒ Other Remove "MTH 167 or MTH 169 if passed Fall 2017 or earlier" from Major/ Area Requirements |
| ☐ Advisors | |
| ☐ Articulation information | |
- Show all changes on the attached page from the catalog.**

Rationale for proposed changes or discontinuation:

The HSC division was charged with simplifying the admission requirements.

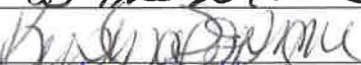
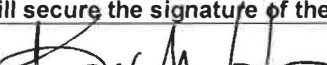
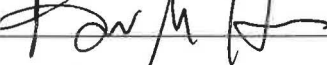
Financial/staffing/equipment/space implications:

N/A

List departments that have been consulted regarding their use of this program.

PTA, SUR, NUR

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	William Nelson		7-23-19
Department Chair	Kristina Sprague		7/23/19
Division Dean/Administrator			7/23/19
Please submit completed form to the Office of Curriculum and Assessment (SC 257). Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.			
Vice President for Instruction	Kimberly Hurns		9/4/19
President	Rose B. Bellanca		
Do not write in shaded area. Entered in: Banner _____ C&A Database <u>9/20/19</u> Log File <u>9/20/19</u> Board Approval _____			

WCC General Education Requirements

Effective Fall 2018

Associate degree programs were updated to meet the revised WCC general education requirements below.

Course Distribution Requirements

Associate degree students must complete courses from each of six General Education content areas. The requirements vary, depending on which degree is being earned. The number of general education credit hours required for each degree is as follows.

	AA	AS	AAS
Writing/Composition	3-4 credits	3-4 credits	3-4 credits
2nd Writing/Composition or Communication	3-4 credits	3 credits	3 credits
Mathematics	3-4 credits	3-4 credits	3-4 credits
Natural Sciences ¹	7-8 credits	7-8 credits	3-4 credits
Social & Behavioral Science ²	6 credits	6 credits	3 credits
Arts and Humanities ³	6 credits	6 credits	3 credits
General Education Electives to reach 30 credits	0-2 credits	0-2 credits	N/A
Minimum	30 credits	30 credits	18 credits

¹ Two courses in Natural Science including one with laboratory experience (from two disciplines)

² From two disciplines

³ From two disciplines

Program Information Report

Radiography (APRAD)

Associate in Applied Science Degree

Program Effective Term: Fall 2018

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.

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

<http://health.wccnet.edu/radiography/>.

Articulation:

Davenport University, Bachelor degree;

Eastern Michigan University, several BS degrees;

University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

<http://www.wccnet.edu/curriculum/articulation/levelone/colleges/>.

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 Connection, Health and Second Tier Program, information page <http://www.wccnet.edu/studentconnection/admissions/health-second-program/> . 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 Connection, 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 for a college-designated vendor to obtain a criminal background check and to track their health records. The criminal background check and health records must be submitted to the designated vendor before attending the mandatory program orientation session. Specific information on the college-designated vendor will be included in the program acceptance letter.

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://health.wccnet.edu>.

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 Connection, Health and Second Tier Program, information page: <http://www.wccnet.edu/studentconnection/admissions/health-second-program/> .

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite courses:
 - a. MTH 125 or MTH 160 or MTH 176 (or MTH 167 or MTH 169 if passed Fall 2017 or earlier) or any Academic Math Level 4 or higher level course with a minimum grade of C+/2.3.
 - 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. Minimum cumulative college GPA of 2.3 (total cumulative GPA of all schools that provide a required program prerequisite course will be included in the calculation).
4. 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.

Program Information Report

5. Residency verification.

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.
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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.

Major/Area Requirements		(10 credits)
BIO 109 or	Essentials of Human Anatomy and Physiology*	
BIO 111	Anatomy and Physiology - Normal Structure and Function*	4
HSC 101 or	Healthcare Terminology*	
HSC 124	Medical Terminology*	1
MTH 125 or	Everyday College Math*	
MTH 160 or	Basic Statistics*	
MTH 176 or	College Algebra*	
	(MTH 167 or MTH 169 if passed Fall 2017 or earlier) or Any Math Level 4 or Higher Course*	3
RAD 100	Introduction to Diagnostic Imaging*	2
Semester 1 (Spring/Summer)		(8 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
Semester 2 (Fall)		(12 credits)
COM 101 or	Fundamentals of Speaking**	
COM 102	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
Semester 3 (Winter)		(9 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
Semester 4 (Spring/Summer)		(6 credits)
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3
Semester 5 (Fall)		(11 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
Semester 6 (Winter)		(10 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

Program Information Report

Semester 7 (Spring/Summer)		(2 credits)
RAD 240	Clinical Education	2

Minimum Credits Required for the Program:

68

Notes:

**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.*

WASHTENAW COMMUNITY COLLEGE
GENERAL EDUCATION REVISION AAS PROGRAM CHANGE FORM 2018-2019

Program Code: APRAD	Program Name: Radiography
Division Code: Health Science	Department: Allied Health Department

This form is to be used only for General Education Revision Program Changes for Associate in Applied Science (AAS) programs. Any other program changes should be submitted separately using a standard Program Change Form.

Directions:

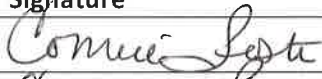
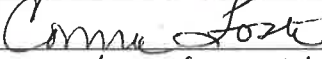
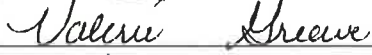
1. Review each general education area under **Requested Changes** below and respond as needed.
2. Attach the semester program layout showing the current program listing from the WCC catalog.
 - a. Indicate any changes to be made on the semester layout.
 - b. Draw a line through any courses that should be removed on the semester layout.
 - c. Write in any courses that need to be added on the semester layout.
3. Submit this form and semester program layout to the Office of Curriculum and Assessment (SC 257).

Current General Education Requirements AAS	Revised General Education Requirements 2018-2019 AAS
Writing 3-4 credits	English Composition 3 - 4 credits
Speech 3 credits	2 nd Course in English Composition or one course in Communication 3 - 4 credits
Mathematics 3 - 4 credits	Mathematics 3 - 4 credits
Natural Sciences 3 - 4 credits	Natural Sciences 3 - 5 credits
Social & Behavioral Sciences 3 credits	Social & Behavioral Sciences 3 credits
Arts & Humanities 3 credits	Arts & Humanities from 3 credits
Critical Thinking 0 credits	Total 18 credits
Computer & Information Literacy 3 credits	
Total 21-24 credits	

Please review each General Education Area in the chart below, and record the needed changes in the chart and on the attached semester program layout.

REQUESTED CHANGES	
	General Education Area
	English Composition – The requirement for one writing/English composition course remains the same. No changes will be made unless specifically requested below. (Use Writing Elective or ENG 111)
	Optional Change: No change
	2nd Course in English Composition or one course in Communication WCC previously required both a second composition/writing course and a communication course. Your options are: 1. Allow students to select any course that meets composition/writing or communication (recommended). 2. Require students to take a specific composition course (identify course below and on semester layout). 3. Require students to take a specific communication course (identify course below and on semester layout).
	Requested Change: No change

	Mathematics – The requirement for one mathematics course remains the same. However, the courses that meet the MTA requirement have changed slightly. See the course listing for details
	Optional Change: No change
	Natural Sciences - The requirement for one natural science course remains the same. No changes will be made unless specifically requested below.
	Optional Change: No change
	Social & Behavioral Sciences – The requirement for one social and behavioral science course remains the same. No changes will be made unless specifically requested below.
	Optional Change: No change
	Arts & Humanities – The requirement for one arts and humanities course remains the same. No changes will be made unless specifically requested below. (Note: A department can designate a COM course as a requirement here. The same course cannot be counted in two areas.)
	Optional Change: No change
	Computer and Information Literacy The requirement for computer and information literacy has been removed. Your options are: 1. Continue to require a specific computer course. If a specific course is required in your program, we will leave it there. If you previously used "Computer and Information Literacy Course," you will need to specify either a specific course or a list of courses from which to choose. 2. Remove the computer and information literacy course if the program will still meet the minimum of 60 credit hours. 3. Remove the computer and information literacy course and replace the course with elective or other credits as needed to meet the minimum of 60 credit hours.
	Required Change: The Radiography Program was exempt from the computer and information literacy requirement.

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster		10/19/17
Department Chair	Connie Foster		10/19/17
Division Dean/ Administrator	Valerie Greaves		10/20/17
Vice President for Instruction	Kimberly Hurns		1/9/18

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Program Information Report

Radiography (APRAD)

Associate in Applied Science Degree

Program Effective Term: Fall 2017

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.

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

<http://health.wccnet.edu/radiography/>.

Articulation:

Davenport University, Bachelor degree;

Eastern Michigan University, several BS degrees;

University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

<http://www.wccnet.edu/curriculum/articulation/levelone/colleges/>.

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 Connection, Health and Second Tier Program, information page <http://www.wccnet.edu/studentconnection/admissions/health-second-program/> . 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 Connection, located on the second floor of the Student Center Building.

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://health.wccnet.edu>.

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 Connection, Health and Second Tier Program, information page: <http://www.wccnet.edu/studentconnection/admissions/health-second-program/> .

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite courses:
 - a. MTH 125 or MTH 160 or MTH 176 or any Academic Math Level 4 or higher level course with a minimum grade of C+/2.3.
 - 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. Minimum cumulative college GPA of 2.3 (total cumulative GPA of all schools that provide a required program prerequisite course will be included in the calculation).
4. Signed Abilities Statement (in the admissions 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.
5. Criminal background check clearance (refer to the Information Release Authorization form in the admission packet).
6. Residency verification.

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

Program Information Report

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.
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.

Major/Area Requirements		(10 credits)
BIO 109 or	Essentials of Human Anatomy and Physiology*	
BIO 111	Anatomy and Physiology - Normal Structure and Function*	4-5
HSC 101 or	Healthcare Terminology*	
HSC 124	Medical Terminology*	1-3
MTH 125 or	Everyday College Math*	
MTH 160 or	Basic Statistics*	
MTH 176 or	College Algebra*	
	Any Math Level 4 or Higher Course*	3-4
RAD 100	Introduction to Diagnostic Imaging*	2
Semester 1 (Spring/Summer)		(8 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
Semester 2 (Fall)		(12 credits)
COM 101 or	Fundamentals of Speaking**	
COM 102	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
Semester 3 (Winter)		(9 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
Semester 4 (Spring/Summer)		(6 credits)
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3
Semester 5 (Fall)		(11 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
Semester 6 (Winter)		(10 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
Semester 7 (Spring/Summer)		(2 credits)
RAD 240	Clinical Education	2

Minimum Credits Required for the Program:

68

Program Information Report

Notes:

**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.*

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code:

Program Name: Radiography

Effective Term: Fall 2017

APRAD

Division Code: Health Department: Allied Health Department (Radiography Science)

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- ☐ Review
- ☒ Remove course(s): MTH 169 and MTH 167
- ☒ Add course(s): MTH 125 or MTH 160 or MTH 176 or Math level 4 or higher
- ☐ Program title (title was _____)
- ☐ Description
- ☐ Type of award
- ☐ Advisors
- ☐ Articulation information
- ☒ Program admission requirements
- ☐ Continuing eligibility requirements
- ☐ Program outcomes
- ☐ Accreditation information
- ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses)
- ☐ Other _____

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

To align the Radiography Program general education requirements with the Michigan Transfer Agreement (MTA).

- Remove MTH 169 and MTH 167 (do not meet MTA requirements); Add MTH 125 or MTH 160 or MTH 176

Add Footnote to program description: 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.

Financial/staffing/equipment/space implications:

NA

List departments that have been consulted regarding their use of this program.**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster	Connie Foster	10/17/16
Department Chair	Connie Foster	Connie Foster	10/17/16
Division Dean/Administrator	Valerie Greaves	Valerie Greaves	10/23/16
Vice President for Instruction	William Abernethy	William Abernethy	11/7/16

Do not write in shaded area. Entered in: Banner 11/14/16 C&A Database 11/14/16 Log File 11/14/16 Board Approval NA

Please submit completed form to the Office of Curriculum and Assessment (SC 257).

Rec'd C&A 10/28/16 done 11/14/16
Office of Curriculum & Assessment

ACADEMICS

Radiography (APRAD)

Associate in Applied Science Degree

2014 - 2015 2015 - 2016 2016 - 2017

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

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

health.wccnet.edu/radiography/.

Articulation

Davenport University, Bachelor degree;

Eastern Michigan University, several BS degrees;

University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

www.wccnet.edu/curriculum/articulation/levelone/colleges.

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 health.wccnet.edu.

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:

www.wccnet.edu/trustees/policies/2005/. Details regarding WCC's point scales that are used to calculate points are on WCC's Student

Connection, Health and Second Tier Program, information page: www.wccnet.edu/studentconnection/admissions/health-second-program/.

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite courses:
 - a. MTH 160 or **MTH 167** or **MTH 169** or any Academic Math Level 4 or higher level course with a minimum grade of C+/2.3.
 - 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. Minimum cumulative college GPA of 2.3 (total cumulative GPA of all schools that provide a required program prerequisite course will be included in the calculation).
4. Signed Abilities Statement (in the admissions 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.
5. Criminal background check clearance (refer to the Information Release Authorization form in the admission packet).
6. Residency verification.

Remove MTH 167 or MTH 169
Add MTH 125 or MTH 160 or MTH 176

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 Connection, Health and Second Tier Program, information page www.wccnet.edu/studentconnection/admissions/health-second-program/. 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 Connection, located on the second floor of the Student Center Building.

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.
 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.

Contact Information

Division: Health Sciences
Department: Allied Health Department
Advisors: [Connie Foster](#)
[William Nelson](#)

Requirements

(Items marked in orange are available online.)

Major/Area Requirements

Class	Title	Credits
BIO 109	or Essentials of Human Anatomy and Physiology *	
BIO 111	Anatomy and Physiology - Normal Structure and Function *	4 - 5
HSC 101	or Healthcare Terminology *	
HSC 124	Medical Terminology *	1 - 3
MTH 160	or Basic Statistics *	
MTH 167	or Math Applications for Health Science *	
MTH 169	or Intermediate Algebra *	
	Any Math Level 4 or Higher Course *	3 - 4
RAD 100	Introduction to Diagnostic Imaging *	2
Total		10 - 14

Remove
Remove

Add MTH 125 ; MTH 176

Semester 1 (Spring/Summer)

Class	Title	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	Credits
COM 101	or Fundamentals of Speaking **	
COM 102	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	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	Credits
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3
Total		6

Semester 5 (Fall)

Class	Title	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	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	Credits
RAD 240	Clinical Education	2
Total		2

Total Credits Required: 68 - 72*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.

Program Information Report**Radiography (APRAD)****Associate in Applied Science Degree****Program Effective Term: Fall 2016****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.

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

<http://health.wccnet.edu/radiography/>.

Articulation:

Davenport University, Bachelor degree;

Eastern Michigan University, several BS degrees;

University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Applying for Admission to the Program:

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Health Care website at <http://health.wccnet.edu>. Completed and signed applications must be submitted during the application window to the Health and Second Tier Admissions Office in the Student Connection, located on the second floor of the Student Center Building.

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://health.wccnet.edu>.

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 may be obtained on WCC's website at <http://wccnet.edu/trustees/policies/2005/>. Details regarding WCC's point scales that are used to calculate points may be accessed at <http://health.wccnet.edu>.

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite courses:
 - a. MTH 160 or MTH 167 or MTH 169 or any Academic Math Level 4 or higher level course with a minimum grade of C+/2.3.
 - 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. Minimum cumulative college GPA of 2.3 (total cumulative GPA of all schools that provide a required program prerequisite course will be included in the calculation).
4. Signed Abilities Statement (in the admissions 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.
5. Criminal background check clearance (refer to the Information Release Authorization form in the admission packet).
6. Residency verification.

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.

Program Information Report

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.
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.

Major/Area Requirements (10 credits)

BIO 109 or	Essentials of Human Anatomy and Physiology*	
BIO 111	Anatomy and Physiology - Normal Structure and Function*	4-5
HSC 101 or	Healthcare Terminology*	
HSC 124	Medical Terminology*	1-3
MTH 160 or	Basic Statistics*	
MTH 167 or	Math Applications for Health Science*	
MTH 169 or	Intermediate Algebra*	
	Any Math Level 4 or Higher Course*	3-4
RAD 100	Introduction to Diagnostic Imaging*	2

Semester 2 (Spring/Summer) (6 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

Semester 3 (Fall) (12 credits)

COM 101 or	Fundamentals of Speaking**	
COM 102	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

Semester 4 (Winter) (6 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

Semester 5 (Spring/Summer) (6 credits)

RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Semester 6 (Fall) (6 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

Semester 7 (Winter) (10 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

Semester 8 (Spring/Summer) (2 credits)

RAD 240	Clinical Education	2
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Minimum Credits Required for the Program: 68

Notes:

Program Information Report

**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.*

Program Information Report

APRAD

School of Nursing and Health Sciences

Find your place in the growing field of health care. The School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, physical therapist assistant, radiography, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students or provides the general education courses to move from completion of a certificate program into an associate degree program.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, an advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, an advanced certificate and General Education requirements.

Radiography

Prepare for a career as a radiographer, operating medical imaging equipment.

Program Information Report

Radiography (APRAD)**Associate in Applied Science Degree****Program Effective Term: Fall 2015****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.

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

<http://www4.wccnet.edu/departments/health/radiography/>

Articulation:

Davenport University, Bachelor degree;

Eastern Michigan University, several BS degrees;

University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements:

Washtenaw Community College uses a competitive admission process for high demand programs in health care. There are multiple requirements that must be completed prior to submitting an application for admission. For detailed information regarding admission to this health care program, please visit our Welcome to Health Care home page at: <http://www.wccnet.edu/health>

Major/Area Requirements (10 credits)

BIO 109 or	Essentials of Human Anatomy and Physiology*	
BIO 111	Anatomy and Physiology - Normal Structure and Function*	4-5
HSC 101 or	Healthcare Terminology*	
HSC 124	Medical Terminology*	1-3
MTH 160 or	Basic Statistics*	
MTH 167 or	Math Applications for Health Science*	
MTH 169 or	Intermediate Algebra*	
	Any Math Level 4 or Higher*	3-4
RAD 100	Introduction to Diagnostic Imaging*	2

Semester 1 (Spring/Summer) (8 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

Semester 2 (Fall) (12 credits)

COM 101 or	Fundamentals of Speaking**	
COM 102	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

Semester 3 (Winter) (9 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

Program Information Report

Semester 4 (Spring/Summer)		(6 credits)
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Semester 5 (Fall)		(11 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

Semester 6 (Winter)		(10 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

Semester 7 (Spring/Summer)		(2 credits)
RAD 240	Clinical Education	2

Minimum Credits Required for the Program: **68**

Notes:

**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.*

PROGRAM CHANGE OR DISCONTINUATION FORM - REVISED 10/1/15

2015

Program Code: CPAPRAD Program Name: Radiography Program

Effective Term: Fall 2016

Division Code: Health Department: Allied Health Department (ALHD)
Sciences (HLT)

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☒ Program admission requirements |
| ☐ Remove course(s): _____ | ☒ Continuing eligibility requirements |
| ☐ Add course(s): _____ | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☒ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☒ Other _____ |
| ☐ Advisors: | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation: *For 2015*

These changes are to reconcile the information in the radiography application packet with the records in the Curriculum Office per Joy Garrett's request.

Program Description: see attached document

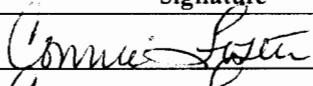
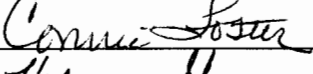
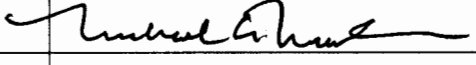
Program Prerequisite Courses

1. MTH 160 (Basic Statistics) or MTH 167 (Math Applications for Health Sciences) or MTH 169 (Intermediate Algebra) or any Academic Math Level 4 or higher level course with a minimum grade of C+/2.3.
2. HSC 101 (Healthcare Terminology) or HSC 124 (Medical Terminology) with a minimum grade of B-/2.7
3. 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
-Level I Prereqs (BIO 109): Academic Reading and Writing Levels of 6; high school biology or BIO 101 or BIO 102, minimum grade C/2.0
Level I Prereqs (BIO 111): Academic Reading and Writing Levels of 6; high school chemistry or CEM 101 and high school biology or BIO 101 or BIO 102; minimum grade C/2.0 in all BIO, CEM, and high school requirements
4. RAD 100 (Introduction to Diagnostic Imaging) with a minimum grade of B-/2.7

Add 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.
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.
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.

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster		09/03/15
Department Chair	Connie Foster		09/03/15
Division Dean/Administrator	Valerie Greaves		9/8/15
Vice President for Instruction	Michael Nealon		6/7/15
President	Rose Bellanca		

Do not write in shaded area. Entered in: Banner 10/22/15 C&A Database 10/22/15 Log File AMB Board Approval NA

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

Program Information Report

Radiography (APRAD)**Associate in Applied Science Degree****Program Effective Term: Fall 2015****High Demand Occupation High Skill Occupation High Wage Occupation**

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices and industries.

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

<http://www4.wccnet.edu/departments/health/radiography/>

Articulation:

Davenport University, Bachelor degree;

Eastern Michigan University, several BS degrees;

University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements:

Washtenaw Community College uses a competitive admission process for high demand programs in health care. For detailed information regarding admission to this health care program, please visit our Welcome to Health Care home page at:

<http://www4.wccnet.edu/departments/health>

Major/Area Requirements

BIO 109	Essentials of Human Anatomy and Physiology*	(11 credits)	4
HSC 101	Healthcare Terminology*		1
MTH 169	Intermediate Algebra*		4
RAD 100	Introduction to Diagnostic Imaging*		2

First Semester**(8 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

Second Semester**(12 credits)**

COM 101	Fundamentals of Speaking**	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

Third Semester**(9 credits)**

RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	2
RAD 215	Radiography of the Skull	2
	Soc. Sci. Elective(s) Select PSY 100 or SOC 100**	3

Fourth Semester**(6 credits)**

RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Fifth Semester**(11 credits)**

RAD 190	Physical Foundations of Radiography	3
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Program Information Report

RAD 217	Clinical Education	3
RAD 222	Pharmacology in Diagnostic Imaging	2
RAD 235	Pathology for Radiographers	3

Sixth Semester (10 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

Seventh Semester (2 credits)

RAD 240	Clinical Education	2
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Minimum Credits Required for the Program: 69

Notes:

**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.*

Program Information Report**Computed Tomography (CT) (CPCTOM)****Post-Associate Certificate****Program Effective Term: Fall 2015**

The Computed Tomography (CT) program is a post-associate advanced certificate program that is designed for registered radiologic technologists (ARRT), radiation therapists (ARRT), and nuclear medicine technologists (ARRT or NMTCB). This program offers the didactic and clinical experience that will provide students with the knowledge and skills that are required to become an entry-level computed tomography technologist. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) computed tomography guidelines. Upon successful completion of the Computed Tomography program, students are eligible to take the ARRT post-primary certification examination in computed tomography.

Program Admission Requirements:

Washtenaw Community College uses a competitive admission process for high demand programs in health care. For detailed information regarding admission to this health care program, please visit our Welcome to Health Care home page at: <http://www4.wccnet.edu/departments/health>

First Semester		(8 credits)
RAD 259	Introduction to Computed Tomography (CT) Instrumentation and Protocols	1
RAD 261	Patient Care in Computed Tomography (CT)	1
RAD 263	Practical Computed Tomography (CT) Imaging	3
RAD 265	Computed Tomography (CT) Clinical Education I	3
Second Semester		(8 credits)
RAD 262	Principles of Computed Tomography (CT)	2
RAD 266	Advanced Computed Tomography (CT) Imaging	3
RAD 267	Computed Tomography (CT) Clinical Education II	3
Minimum Credits Required for the Program:		16

Program Information Report**School of Nursing and Health Sciences**

Find your place in the growing field of health care. The School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, physical therapist assistant, radiography, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students or provides the general education courses to move from completion of a certificate program into an associate degree program.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, an advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, an advanced certificate and General Education requirements.

Radiography

Prepare for a career as a radiographer, operating medical imaging equipment.

Program Information Report**Radiography (APRAD)****Associate in Applied Science Degree****Program Effective Term: Fall 2015****High Demand Occupation High Skill Occupation High Wage Occupation**

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices and industries.

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

<http://www4.wccnet.edu/departments/health/radiography/>

Articulation:

Davenport University, Bachelor degree;

Eastern Michigan University, several BS degrees;

University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements:

A limited number of students are admitted to the Radiography Program each year. A formal application to the program is required.

Application packets may be downloaded from the WCC Web site. Download the Radiography program application packet:

<http://www4.wccnet.edu/departments/health/>

Completed and signed applications must be delivered to the Health Admissions Technician at the Student Connection, located on the second floor of the Student Center Building. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program
- Residency status: Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.
- Date of application to the Radiography Program

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions should contact the ARRT, (651) 687-0048, to inquire about eligibility to take the ARRT examination prior to applying for the Radiography Program.

Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology
- MTH 160, MTH 167, MTH 169 or any math level 4 or higher course with a minimum grade of C+
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course with a minimum grade of C+
- Completion of RAD 100, Introduction to Diagnostic Imaging with a minimum grade of B-
- Completion of HSC 101, Healthcare Terminology with a minimum grade of B-
- Applicants must have a minimum cumulative 2.3 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session

Friday, February 6, 2015 8:54:32 a.m.

Program Information Report

- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records
- Undergo a current criminal background check. Students whose background check reveals a criminal conviction or current criminal charge will be denied admission to the program unless the student has documentation from the AART of their eligibility to take the certification exam.

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility Requirements:

- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
- Students must maintain personal health coverage.
- Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131, CPR/AED for the Professional Rescuer and First Aid.
- Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
- Students must complete all general education and support courses with a grade of "C" or better.
- All students must demonstrate proficiency in the English language prior to placement in clinical courses. Please refer to the application packet for further details.

First Semester		
BIO 109	Essentials of Human Anatomy and Physiology*	4
HSC 101	Healthcare Terminology*	1
MTH 169	Intermediate Algebra*	4
RAD 100	Introduction to Diagnostic Imaging*	2

First Semester		
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

Second Semester		
COM 101	Fundamentals of Speaking**	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

Third Semester		
RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	2
RAD 215	Radiography of the Skull	2
	Soc. Sci. Elective(s) Select PSY 100 or SOC 100**	3

Fourth Semester		
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Fifth Semester		
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

Sixth Semester		
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

Program Information Report

RAD 240

Clinical Education

2

Minimum Credits Required for the Program:**69****Notes:**

**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.*

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: ^{AP}RAD Program Name: Radiography program

Effective Term: ^{Fall}Winter 2015

Division Code: MSH Department: Allied Health Department

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|---|---|
| ☐ Review | ☐ Program admission requirements |
| ☒ Remove course(s): RAD 226 Radiographic Quality Control | ☐ Continuing eligibility requirements |
| ☒ Add course(s): RAD 232 Introduction to Digital Radiography ^{Imaging in} | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☐ Other _____ |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

RAD 232 Introduction to Digital Radiography is replacing RAD 226 Radiographic Quality Assurance in order to update the radiography curriculum to include more topics on the newer digital imaging technologies and less on the older film-screen systems.

Financial/staffing/equipment/space implications:

NA

List departments that have been consulted regarding their use of this program.

NA

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster	<i>Connie Foster</i>	09/04/2014
Department Chair	Connie Foster	<i>Connie Foster</i>	09/04/2014
Division Dean/Administrator	Kris Brandemuehl	<i>Kris Brandemuehl</i>	9/8/2014
Vice President for Instruction	Bill Abernethy	<i>Bill Abernethy</i>	11/24/2014
President	Rose Bellanca		

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Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

Radiography (APRAD)

Associate in Applied Science Degree

- 2012 - 2013
- 2013 - 2014
- 2014 - 2015

Description

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices and industries.

The program is accredited by the Joint Review Committee on Education in Radiologic Technology
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
www4.wccnet.edu/departments/health/radiography/

Articulation

Davenport University, Bachelor degree;
Eastern Michigan University, several BS degrees;
University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges.

Admissions Requirements

A limited number of students are admitted to the Radiography Program each year. A formal application to the program is required. Application packets may be downloaded from the WCC Web site. Download the Radiography program application packet: www4.wccnet.edu/departments/health/

Completed and signed applications must be delivered to the Health Admissions Technician at the Student Connection, located on the second floor of the Student Center Building. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program
- Residency status: Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.
- Date of application to the Radiography Program

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography

program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions should contact the ARRT, (651) 687-0048, to inquire about eligibility to take the ARRT examination prior to applying for the Radiography Program.

Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology
- MTH 160, MTH 167, MTH 169 or any math level 4 or higher course with a minimum grade of C+
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course with a minimum grade of C+
- Completion of RAD 100, Introduction to Diagnostic Imaging with a minimum grade of B-
- Completion of HSC 101, Healthcare Terminology with a minimum grade of B-
- Applicants must have a minimum cumulative 2.3 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session
- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records
- Undergo a current criminal background check. Students whose background check reveals a criminal conviction or current criminal charge will be denied admission to the program unless the student has documentation from the AART of their eligibility to take the certification exam.

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility

- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
- Students must maintain personal health coverage.
- Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131, CPR/AED for the Professional Rescuer and First Aid.
- Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
- Students must complete all general education and support courses with a grade of "C" or better.
- All students must demonstrate proficiency in the English language prior to placement in clinical courses. Please refer to the application packet for further details.

Contact Information

Division

Math, Science & Health
 Department
 Allied Health Department
 Advisors
Connie Foster, William Nelson

Requirements

First Semester

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

Second Semester

Class	Title	Credits
<u>COM 101</u>	Fundamentals of Speaking **	3
<u>RAD 110</u>	Clinical Education	2
<u>RAD 112</u>	Radiographic Positioning I	2
<u>RAD 124</u>	Principles of Radiographic Exposure	2
<u>RAD 125</u>	Radiographic Procedures and Related Anatomy	3
Total		12

Third Semester

Class	Title	Credits
	Soc. Sci. Elective(s) Select PSY 100 or SOC 100**	3
<u>RAD 120</u>	Clinical Education	2
<u>RAD 123</u>	Radiographic Positioning II	2
<u>RAD 215</u>	Radiography of the Skull	2
Total		9

Fourth Semester

Class	Title	Credits
<u>RAD 150</u>	Clinical Education	3
<u>RAD 218</u>	Radiation Biology and Protection	3
Total		6

Fifth Semester

Class	Title	Credits
<u>RAD 190</u>	Physical Foundations of Radiography	3

<u>RAD 217</u>	Clinical Education	3
<u>RAD 222</u>	Pharmacology in Diagnostic Imaging	2
<u>RAD 235</u>	Pathology for Radiographers	3
Total		11

Sixth Semester

Class	Title	Credits
<u>PHL 244</u>	Ethical and Legal Issues in Health Care	3
<u>RAD 223</u>	Sectional Anatomy	2
<u>RAD 225</u>	Clinical Education	3
<u>RAD 226</u>	Radiographic Quality Assurance	2
<u>RAD 232</u>	Introduction to Diagnostic Imaging	2
Total	Digital Imaging in Radiography	10

Seventh Semester

Class	Title	Credits
<u>RAD 240</u>	Clinical Education	2
Total		2

Major/Area Requirements

Class	Title	Credits
<u>BIO 109</u>	Essentials of Human Anatomy and Physiology *	4
<u>HSC 101</u>	Healthcare Terminology *	1
<u>MTH 169</u>	Intermediate Algebra *	4
<u>RAD 100</u>	Introduction to Diagnostic Imaging *	2
Total		11
Total Credits Required		69

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.

Program Information Report**Radiography (APRAD)****Associate in Applied Science Degree****Program Effective Term: Fall 2013****High Demand Occupation High Skill Occupation High Wage Occupation**

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices and industries.

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

<http://www4.wccnet.edu/departments/health/radiography/>

Articulation:

Davenport University, Bachelor degree;

Eastern Michigan University, several BS degrees;

University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements:

A limited number of students are admitted to the Radiography Program each year. A formal application to the program is required.

Application packets may be downloaded from the WCC Web site. Download the Radiography program application packet:

<http://www4.wccnet.edu/departments/health/>

Completed and signed applications must be delivered to the Health Admissions Technician at the Student Connection, located on the second floor of the Student Center Building. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program
- Residency status: Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.
- Date of application to the Radiography Program

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions should contact the ARRT, (651) 687-0048, to inquire about eligibility to take the ARRT examination prior to applying for the Radiography Program.

Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology
- MTH 160, MTH 167, MTH 169 or any math level 4 or higher course with a minimum grade of C+
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course with a minimum grade of C+
- Completion of RAD 100, Introduction to Diagnostic Imaging with a minimum grade of B-
- Completion of HSC 101, Healthcare Terminology with a minimum grade of B-
- Applicants must have a minimum cumulative 2.3 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session

Wednesday, January 8, 2014 4:23:31 p.m.

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: APRAD Program Name: Radiography Program

Effective Term: Fall 2013

Division Code: MSH Department: Allied Health Department

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☐ Program admission requirements |
| ☐ Remove course(s): _____ | ☐ Continuing eligibility requirements |
| ☐ Add course(s): _____ | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☒ Accreditation information |
| ☒ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☐ Other _____ |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

The accrediting agency, the JRCERT, has mandated that we publish the following information on the WCC web site:

- Program mission statement, goals, and student learning outcomes
- Program Effectiveness data (5-year average credentialing examination pass rate, 5-year average job placement rate, & annual completion rate on an annual basis)
- JRCERT URL, www.jrcert.org

Financial/staffing/equipment/space implications:

NA

List departments that have been consulted regarding their use of this program.

NA

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster	<i>Connie Foster</i>	4/17/13
Department Chair	Connie Foster		
Division Dean/Administrator	Marty Showalter	<i>M. Showalter</i>	12/17/13
Vice President for Instruction	Bill Abernethy		
President			

Do not write in shaded area. Entered in: Banner 1/8 C&A Database 1/8/14 Log File _____ Board Approval _____Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

Radiography (APRAD)

Associate in Applied Science Degree

- 2011 - 2012
- 2012 - 2013
- 2013 - 2014

Description

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices and industries.

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

For more detailed information regarding the ~~health care programs at WCC~~, Radiography Program please visit our ~~"Welcome to Health Care" home page~~ at the radiography web page at <http://www4.wccnet.edu/departments/health/radiography/>

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: ^{AP}RAD Program Name: Radiography

Effective Term: Fall 2013

Division Code: MSH Department: Allied Health Department

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☐ Program admission requirements |
| ☐ Remove course(s): _____ | ☐ Continuing eligibility requirements |
| ☐ Add course(s): RAD 103 | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☒ Other: course sequencing |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

The course sequencing changes will promote student success by providing the students with a stronger clinical foundation in their first year and focusing on the technical theories of radiography in the second year.

Financial/staffing/equipment/space implications:

None

List departments that have been consulted regarding their use of this program.

Radiography Program faculty

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster	<i>Connie Foster</i>	4/25/13
Department Chair	Connie Foster	<i>Connie Foster</i>	4/25/13
Division Dean/Administrator	Marty Showalter	<i>Marty Showalter</i>	4/25/13
Vice President for Instruction	Bill Abernethy	<i>Bill Abernethy</i>	6/17/13
President	Rose Bellanca		

Do not write in shaded area. Entered in: Banner 6/20/13 C&A Database 6/20/13 Log File 6/20/13 Board Approval 6/20/13

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

*for done
logged 4/20/13 sjv*

Program Information Report**School of Nursing and Health Sciences**

Find your place in the growing field of health care. The School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, physical therapist assistant, radiography, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students or provides the general education courses to move from completion of a certificate program into an associate degree program.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, an advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, an advanced certificate and General Education requirements.

Radiography

Prepare for a career as a radiographer, operating medical imaging equipment.

Program Information Report

Radiography (APRAD)

Associate in Applied Science Degree

Program Effective Term: Fall 2013

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices and industries. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

For more detailed information regarding the health care programs at WCC, please visit our "Welcome to Health Care" home page at <http://www4.wccnet.edu/departments/health>

Articulation:

Davenport University, Bachelor degree;
Eastern Michigan University, several BS degrees;
University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements:

A limited number of students are admitted to the Radiography Program each year. A formal application to the program is required. Application packets may be downloaded from the WCC Web site. Download the Radiography program application packet:

http://www4.wccnet.edu/departments/health/pdfs/radiography_application_packet.pdf

Completed and signed applications must be delivered to the Health Admissions Technician at the Student Connection, located on the second floor of the Student Center Building. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program
- Residency status: Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.
- Date of application to the Radiography Program

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions should contact the ARRT, (651) 687-0048, to inquire about eligibility to take the ARRT examination prior to applying for the Radiography Program.

Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology
- MTH 160, MTH 167, MTH 169 or any math level 4 or higher course with a minimum grade of C+
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course with a minimum grade of C+
- Completion of RAD 100, Introduction to Diagnostic Imaging with a minimum grade of B-
- Completion of HSC 101, Healthcare Terminology with a minimum grade of B-
- Applicants must have a minimum cumulative 2.3 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session
- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records

Program Information Report

- Undergo a current criminal background check. Students whose background check reveals a criminal conviction or current criminal charge will be denied admission to the program unless the student has documentation from the AART of their eligibility to take the certification exam.

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility Requirements:

- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
- Students must maintain personal health coverage.
- Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131, CPR/AED for the Professional Rescuer and First Aid.
- Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
- Students must complete all general education and support courses with a grade of "C" or better.
- All students must demonstrate proficiency in the English language prior to placement in clinical courses. Please refer to the application packet for further details.

First Semester		(8 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
Second Semester		(12 credits)
COM 101	Fundamentals of Speaking**	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
Third Semester		(9 credits)
RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	2
RAD 215	Radiography of the Skull	2
	Soc. Sci. Elective(s) Select PSY 100 or SOC 100**	3
Fourth Semester		(6 credits)
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3
Fifth Semester		(11 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
Sixth Semester		(10 credits)
PHL 244	Ethical and Legal Issues in Health Care	3
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 226	Radiographic Quality Assurance	2
Seventh Semester		(2 credits)
RAD 240	Clinical Education	2
Major/Area Requirements		(11 credits)
BIO 109	Essentials of Human Anatomy and Physiology*	4
HSC 101	Healthcare Terminology*	1
MTH 169	Intermediate Algebra*	4
RAD 100	Introduction to Diagnostic Imaging*	2

Minimum Credits Required for the Program:

69

Program Information Report**Notes:**

**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.*

Radiography (APRAD)

Associate in Applied Science Degree

- 2011 - 2012
- 2012 - 2013
- 2013 - 2014

Description

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices and industries. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

For more detailed information regarding the health care programs at WCC, please visit our "Welcome to Health Care" home page at www4.wccnet.edu/departments/health

Articulation

Davenport University, Bachelor degree;
Eastern Michigan University, several BS degrees;
University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges.

Admissions Requirements

A limited number of students are admitted to the Radiography Program each year. A formal application to the program is required. Application packets may be downloaded from the WCC Web site. Download the Radiography program application packet:

www4.wccnet.edu/departments/health/pdfs/radiography_application_packet.pdf

Completed and signed applications must be delivered to the Health Admissions Technician at the Student Connection, located on the second floor of the Student Center Building. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program
- Residency status: Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.
- Date of application to the Radiography Program

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions

AdvisorsConnie Foster, William Nelson**Requirements****First Semester Spring/Summer 2013**

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

Second Semester Fall 2013

Class	Title	Credits
<u>COM 101</u>	Fundamentals of Speaking **	3
<u>RAD 110</u>	Clinical Education	2
<u>RAD 112</u>	Radiographic Positioning I	2
<u>RAD 124</u>	Principles of Radiographic Exposure	2
<u>RAD 125</u>	Radiographic Procedures and Related Anatomy	3
Total		9 12

Third Semester Winter 2014

Class	Title	Credits
	Soc. Sci. Elective(s) Select PSY 100 or SOC 100**	3
<u>RAD 120</u>	Clinical Education	2
<u>RAD 123</u>	Radiographic Positioning II	2
<u>RAD 125</u>	Radiographic Procedures and Related Anatomy	3
<u>RAD 190</u>	Physical Foundations of Radiography	3
<u>RAD 215</u>	Radiography of the Skull	2
Total		13 9

Fourth Semester Spring/Summer 2014

Class	Title	Credits
<u>RAD 150</u>	Clinical Education	3
<u>RAD 218</u>	Radiation Biology and Protection	3
Total		6

Fifth Semester Fall 2014

Class	Title	Credits
PHL 244	Ethical and Legal Issues in Health Care **	3
RAD 215	Radiography of the Skull	2
RAD 217	Clinical Education	3
RAD 235	Pathology for Radiographers	3
RAD 190	Physical Foundations of Radiography	3
RAD 222	Pharmacology in Diagnostic Imaging	2
Total		11

Sixth Semester Winter 2015

Class	Title	Credits
RAD 222	Pharmacology in Diagnostic Imaging	2
PHL 244	Ethical and Legal Issues in Health Care **	3
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 226	Radiographic Quality Assurance	2
Total		9 10

Seventh Semester Spring/Summer 2015

Class	Title	Credits
RAD 240	Clinical Education	2
Total		2

Major/Area Requirements

Class	Title	Credits
BIO 109	Essentials of Human Anatomy and Physiology *	4
HSC 101	Healthcare Terminology *	1
MTH 169	Intermediate Algebra *	4
RAD 100	Introduction to Diagnostic Imaging *	2
Total		11
Total Credits Required		

69

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.

should contact the ARRT, (651) 687-0048, to inquire about eligibility to take the ARRT examination prior to applying for the Radiography Program.

Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology
- MTH 160, MTH 167, MTH 169 or any math level 4 or higher course with a minimum grade of C+
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course with a minimum grade of C+
- Completion of RAD 100, Introduction to Diagnostic Imaging with a minimum grade of B-
- Completion of HSC 101, Healthcare Terminology with a minimum grade of B-
- Applicants must have a minimum cumulative 2.3 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session
- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records
- Undergo a current criminal background check. Students whose background check reveals a criminal conviction or current criminal charge will be denied admission to the program unless the student has documentation from the AART of their eligibility to take the certification exam.

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility

- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
- Students must maintain personal health coverage.
- Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131, CPR/AED for the Professional Rescuer and First Aid.
- Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
- Students must complete all general education and support courses with a grade of "C" or better.
- All students must demonstrate proficiency in the English language prior to placement in clinical courses. Please refer to the application packet for further details.

Contact Information

Division

Math, Science & Health

Department

Allied Health Department

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: ^{AP} RAD Program Name: Radiography Program

Effective Term: Spring 2013

Division Code: MSH Department: Allied Health Department

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☐ Program admission requirements |
| ☐ Remove course(s): _____ | ☐ Continuing eligibility requirements |
| ☒ Add course(s): RAD 103 | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☒ Other <u>Update courses to meet new credit hour/contact hour defined minimums</u> |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

Update radiography courses to meet the new credit hour/contact hour defined minimums:

RAD 101 Methods in Patient Care: changed from 2 credits (15 lecture/15 lab hours) to **1 credit** (15 lecture/15 lab hours)
 RAD 111 Fundamentals of Radiography: changed from 2 credits (15 lecture/15 lab hours) to **2 credits** (15 lecture/30 lab hours); lab hours increased to include new course content on mobile radiography
 RAD 112 Radiography Positioning I: changed from 3 credits (15 lecture/45 lab hours) to **2 credits** (15 lecture/45 lab hours)
 RAD 123 Radiography Positioning II: changed from 3 credits (15 lecture/45 lab hours) to **2 credits** (15 lecture/45 lab hours)
 RAD 124 Principles of Radiographic Exposure: changed from 3 credits (30 lecture/15 lab hours) to **2 credits** (30 lecture/15 lab hours)
 RAD 290: International Studies in Radiography: changed from 2 credits (5 lecture/25 lab hours) to 2 credits (**60 lab hours**)
NEW Course: RAD 103: Medical Professionalism in Clinical Education (15 lecture hours) 1 credit; This course is being added to the radiography program curriculum to better prepare students for their clinical rotations.

Financial/staffing/equipment/space implications:

None

List departments that have been consulted regarding their use of this program.

Radiography Program faculty

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster	<i>Connie Foster</i>	10/15/12
Department Chair	Connie Foster	<i>Connie Foster</i>	10/15/12
Division Dean/Administrator	Marty Showalter	<i>Marty Showalter</i>	10/18/12
Vice President for Instruction	Stuart Blacklaw	<i>Stuart Blacklaw</i>	12/4/12
President	Rose Bellanca	<i>Rose Bellanca</i>	

Do not write in shaded area. Entered in: Banner _____ C&A Database 1/10/13 Log File 1/10/13 Board Approval _____

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

logged 10/23/12
 Office of Curriculum & Assessment

Program Information Report

School of Nursing and Health Sciences

Find your place in the growing field of health care. The School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, physical therapist assistant, radiography, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students or provides the general education courses to move from completion of a certificate program into an associate degree program.

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After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

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Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, an advanced certificate and General Education requirements.

Radiography

Prepare for a career as a radiographer, operating medical imaging equipment.

Radiography (APRAD)

Associate in Applied Science Degree

Program Effective Term: Fall 2013

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices and industries. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

For more detailed information regarding the health care programs at WCC, please visit our "Welcome to Health Care" home page at <http://www4.wccnet.edu/departments/health>

Articulation:

Davenport University, Bachelor degree;
Eastern Michigan University, several BS degrees;
University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements:

A limited number of students are admitted to the Radiography Program each year. A formal application to the program is required. Application packets may be downloaded from the WCC Web site. Download the Radiography program application packet:

http://www4.wccnet.edu/departments/health/pdfs/radiography_application_packet.pdf

Completed and signed applications must be delivered to the Health Admissions Technician at the Student Connection, located on the second floor of the Student Center Building. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program
- Residency status: Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.
- Date of application to the Radiography Program

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions should contact the ARRT, (651) 687-0048, to inquire about eligibility to take the ARRT examination prior to

Program Information Report

applying for the Radiography Program.

Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology
- MTH 160, MTH 167, MTH 169 or any math level 4 or higher course with a minimum grade of C+
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course with a minimum grade of C+
- Completion of RAD 100, Introduction to Diagnostic Imaging with a minimum grade of B-
- Completion of HSC 101, Healthcare Terminology with a minimum grade of B-
- Applicants must have a minimum cumulative 2.3 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session
- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records
- Undergo a current criminal background check. Students whose background check reveals a criminal conviction or current criminal charge will be denied admission to the program unless the student has documentation from the AART of their eligibility to take the certification exam.

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility Requirements:

- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
- Students must maintain personal health coverage.
- Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131, CPR/AED for the Professional Rescuer and First Aid.
- Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
- Students must complete all general education and support courses with a grade of "C" or better.
- All students must demonstrate proficiency in the English language prior to placement in clinical courses. Please refer to the application packet for further details.

First Semester (8 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

Second Semester (9 credits)

COM 101	Fundamentals of Speaking**	3
RAD 110	Clinical Education	2
RAD 112	Radiographic Positioning I	2
RAD 124	Principles of Radiographic Exposure	2

Third Semester (9 credits)

RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	2
RAD 125	Radiographic Procedures and Related Anatomy	3
RAD 190	Physical Foundations of Radiography	3
	Soc. Sci. Elective(s) Select PSY 100 or SOC 100**	3

Fourth Semester (6 credits)

RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Program Information Report

Fifth Semester		(11 credits)
PHL 244	Ethical and Legal Issues in Health Care**	3
RAD 215	Radiography of the Skull	2
RAD 217	Clinical Education	3
RAD 235	Pathology for Radiographers	3
Sixth Semester		(9 credits)
RAD 222	Pharmacology in Diagnostic Imaging	2
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 226	Radiographic Quality Assurance	2
Seventh Semester		(2 credits)
RAD 240	Clinical Education	2
Major/Area Requirements		(11 credits)
BIO 109	Essentials of Human Anatomy and Physiology*	4
HSC 101	Healthcare Terminology*	1
MTH 169	Intermediate Algebra*	4
RAD 100	Introduction to Diagnostic Imaging*	2

Minimum Credits Required for the Program: **69**

Notes:

*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.

Radiography Program Changes (Revised November 2012)

Contact Information

Division

Math, Science & Health

Department

Allied Health Department

Advisors

Connie Foster, William Nelson

Requirements

First Semester

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

Second Semester

Class	Title	Credits
<u>COM 101</u>	Fundamentals of Speaking **	3
<u>RAD 110</u>	Clinical Education	2
<u>RAD 112</u>	Radiographic Positioning I	3 2
<u>RAD 124</u>	Principles of Radiographic Exposure	3 2
Total		11 9

Third Semester

Class	Title	Credits
	Soc. Sci. Elective(s) Select PSY 100 or SOC 100**	3
<u>RAD 120</u>	Clinical Education	2
<u>RAD 123</u>	Radiographic Positioning II	3 2
<u>RAD 125</u>	Radiographic Procedures and Related Anatomy	3
<u>RAD 190</u>	Physical Foundations of Radiography	3
Total		11 13

Fourth Semester

Class	Title	Credits
<u>RAD 150</u>	Clinical Education	3
<u>RAD 218</u>	Radiation Biology and Protection	3
Total		6

Fifth Semester

Class	Title	Credits
<u>PHL 244</u>	Ethical and Legal Issues in Health Care **	3
<u>RAD 215</u>	Radiography of the Skull	2
<u>RAD 217</u>	Clinical Education	3
<u>RAD 235</u>	Pathology for Radiographers	3
Total		11

Sixth Semester

Class	Title	Credits
<u>RAD 190</u>	Physical Foundations of Radiography	3

Radiography Program Changes (Revised November 2012)

<u>RAD 222</u>	Pharmacology in Diagnostic Imaging	2
<u>RAD 223</u>	Sectional Anatomy	2
<u>RAD 225</u>	Clinical Education	3
<u>RAD 226</u>	Radiographic Quality Assurance	2
Total		12 9

Seventh Semester

Class	Title	Credits
<u>RAD 240</u>	Clinical Education	2
Total		2

Major/Area Requirements

Class	Title	Credits
<u>BIO 109</u>	Essentials of Human Anatomy and Physiology *	4
<u>HSC 101</u>	Healthcare Terminology *	1
<u>MTH 169</u>	Intermediate Algebra *	4
<u>RAD 100</u>	Introduction to Diagnostic Imaging *	2
Total		11

Total Credits Required: ~~72~~ 69

72

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.

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: ^{AP}₁ RAD Program Name: Radiography Program

Effective Term: F2012

Division Code: MSH Department: Allied Health Department (ALHD)

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☒ Program admission requirements |
| ☐ Remove course(s): _____ | ☐ Continuing eligibility requirements |
| ☐ Add course(s): _____ | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☐ Other _____ |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

The additional program admission requirements are being added to improve the academics and retention of the students entering the radiography program.

- Completion of RAD 100, Introduction to Diagnostic Imaging with a minimum of B-
- Completion of HSC 101, Healthcare Terminology with a minimum of B-
- Completions of Math 169, Intermediate Algebra with a minimum of C+

Financial/staffing/equipment/space implications:

N/A

List departments that have been consulted regarding their use of this program.

This was discussed with the radiography program faculty members.

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster	<i>Connie Foster</i>	03/22/12
Department Chair			
Division Dean/Administrator	<i>M. Showalter</i>	<i>M. Showalter</i>	3/22/12
Vice President for Instruction	<i>Stuart Blacklaw</i>	<i>S. Blacklaw</i>	4/11/12
President			

Do not write in shaded area. Entered in: Banner _____ C&A Database 4/19 Log File 4/19/12 Board Approval _____

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

for logged 3/26/12 sjv

Program Information Report**School of Nursing and Health Sciences**

Find your place in the growing field of health care. The School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, physical therapist assistant, radiography, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students or provides the general education courses to move from completion of a certificate program into an associate degree program.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, advanced certificate and General Education requirements.

Radiography

Prepare for a career as a radiographer, operating medical imaging equipment.

Radiography (APRAD)**Associate in Applied Science Degree**

Program Effective Term: Fall 2012

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices and industries. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

Articulation:

Davenport University, Bachelor degree;
Eastern Michigan University, several BS degrees;
University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:
<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements:

A limited number of students are admitted to the Radiography Program each year. A formal application to the program is required. Application packets may be downloaded from the WCC Web site. Download the Radiography program application packet:
http://www4.wccnet.edu/departments/health/pdfs/radiography_application_packet.pdf
Completed and signed applications must be delivered to the Health Admissions Technician at the Student Connection, located on the second floor of the Student Center Building. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program
- Residency status: Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.
- Date of application to the Radiography Program

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions should contact the ARRT, (651) 687-0048, to inquire about eligibility to take the ARRT examination prior to applying for the Radiography Program.

Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

Program Information Report

- One year of high school biology or BIO 101: Concepts of Biology
- Academic Math Level of 3, MTH 160, MTH 167, MTH 169 or any math level 4 or higher course
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course with a minimum of C+
- Completion of RAD 100, Introduction to Diagnostic Imaging with a minimum of B-
- Completion of HSC 101, Healthcare Terminology with a minimum of B-
- Applicants must have a minimum cumulative 2.3 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session
- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records
- Undergo a current criminal background check. Students whose background check reveals a criminal conviction or current criminal charge will be denied admission to the program unless the student has documentation from the AART of their eligibility to take the certification exam.

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility Requirements:

- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
- Students must maintain personal health coverage.
- Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131, CPR/AED for the Professional Rescuer and First Aid.
- Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
- Students must complete all general education and support courses with a grade of "C" or better.
- All students must demonstrate proficiency in the English language prior to placement in clinical courses. Please refer to the application packet for further details.

ENG 111	Composition I**	4
RAD 101	Methods In Patient Care	2
RAD 111	Fundamentals of Radiography	2
COM 101	Fundamentals of Speaking**	3
RAD 110	Clinical Education	2
RAD 112	Radiographic Positioning I	3
RAD 124	Principles of Radiographic Exposure	3
RAD 125	Radiographic Procedures and Related Anatomy	3
RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	3
	Soc. Sci. Elective(s) Select PSY 100 or SOC 100**	3
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3
PHL 244	Ethical and Legal Issues in Health Care**	3
RAD 215	Radiography of the Skull	2
RAD 217	Clinical Education	3
RAD 235	Pathology for Radiographers	3

Program Information Report

RAD 190	Physical Foundations of Radiography*	3
RAD 222	Pharmacology in Diagnostic Imaging*	2
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 226	Radiographic Quality Assurance	2
RAD 240	Clinical Education	2
BIO 109	Essentials of Human Anatomy and Physiology*	4
HSC 101	Healthcare Terminology*	1
MTH 169	Intermediate Algebra*	4
RAD 100	Introduction to Diagnostic Imaging*	2

Minimum Credits Required for the Program:

72

Notes:

**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.*

PROGRAM CHANGE OR DISCONTINUATION FORM

WASHTENAW COMMUNITY COLLEGE

Program Code: ^{AP} RAD Program Name: Radiography Program

Effective Term: Fall 2011

Division Code: HAT Department: Allied Health Department

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☒ Program admission requirements |
| ☐ Remove course(s): _____ | ☒ Continuing eligibility requirements |
| ☐ Add course(s): _____ | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☐ Other _____ |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

MTH 166, Math for Radiography will be dropped as a prerequisite for the radiography program because it does not meet the MACRO Agreement. Math 169, Intermediate Algebra meets the MACRO Agreement and will remain as the Mathematics requirement.

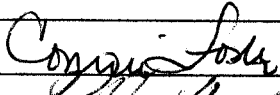
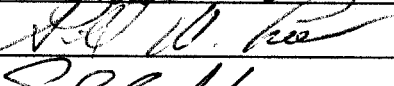
PSY 100, Introduction to Psychology will be added as an option for continuing eligibility requirement for the radiography program to avoid confusion during academic advising.

Financial/staffing/equipment/space implications:

List departments that have been consulted regarding their use of this program.

The math department chair, Kris Chatas was consulted regarding the change with Math 166, Math for Radiography

Signatures:

Reviewer	Print Name	Signature	Date
Initiator			
Department Chair	Connie Foster		10/15/10
Division Dean/Administrator	Granville Lee		10/18/10
Vice President for Instruction			11/16/10
President			

Do not write in shaded area. Entered in: Banner C&A Database 11/18/10 Log File 11/18/10 Board Approval

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

done

Program: Radiography (APRAD)
Associate in Applied Science Degree

Program requirements shown below are for catalog year:

(hidden)

Change Year

Description:

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices, and industries. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

Division: Health and Applied Technologies

Department: Allied Health

Advisors: Connie Foster, William Nelson

Articulation:

Davenport University, Bachelor degree;
Eastern Michigan University, several BS degrees;
University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Admission Requirements:

~~Admission to the Radiography Program is on a first-come basis for all qualified applicants who have met all the admission requirements.~~ A limited number of students are admitted to the Radiography Program each year. A formal application to the program is required. Application packets may be downloaded from the WCC Web site. Download the Radiography program application packet:

http://www4.wccnet.edu/departments/health/pdfs/radiography_application_packet.pdf

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Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology

- Academic Math Level of 3
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course with a minimum of C+
- Completion of RAD 100, Introduction to Diagnostic Imaging with a minimum of C+
- Applicants must have a minimum cumulative 2.0-2.3 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session
- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records
- Undergo a current criminal background check. Students whose background check reveals a criminal conviction or current criminal charge will be denied admission to the program unless the student has documentation from the AART of their eligibility to take the certification exam.

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility:

- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
 - Students must maintain personal health coverage.
 - Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131, CPR/AED for the Professional Rescuer and First Aid.
 - Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
 - Students must complete all general education and support courses with a grade of "C" or better.
 - All students must demonstrate proficiency in the English language prior to placement in clinical courses.
- Please refer to the application packet for further details.

First Semester

(7-8 Credits)

<u>MTH 166</u> or	***	Math for Radiography	
<u>MTH 169</u>	***	Intermediate Algebra	3 of 4
<u>RAD 101</u>		Methods in Patient Care	2
<u>RAD 111</u>		Fundamentals of Radiography	2

Second Semester

(13 Credits)

<u>ENG 111</u>	*	Composition I	4
<u>HSC 101</u>	*	Healthcare Terminology	1
<u>RAD 110</u>		Clinical Education	2
<u>RAD 112</u>		Radiographic Positioning I	3

X

<u>RAD 124</u>		Principles of Radiographic Exposure	3
Third Semester			(11 Credits)
<u>RAD 120</u>		Clinical Education	2
<u>RAD 123</u>		Radiographic Positioning II	3
<u>RAD 125</u>		Radiographic Procedures and Related Anatomy	3
<u>SOC 100</u> or <u>PSY 100</u>	*	Principles of Sociology Introduction to Psychology	3
Fourth Semester			(6 Credits)
<u>RAD 150</u>		Clinical Education	3
<u>RAD 218</u>		Radiation Biology and Protection	3
Fifth Semester			(14 Credits)
<u>COM 101</u>	*	Fundamentals of Speaking	3
<u>PHL 244</u>	*	Ethical and Legal Issues in Health Care	3
<u>RAD 215</u>		Radiography of the Skull	2
<u>RAD 217</u>		Clinical Education	3
<u>RAD 235</u>		Pathology for Radiographers	3
Sixth Semester			(12 Credits)
<u>RAD 190</u>		Physical Foundations of Radiography	3
<u>RAD 222</u>		Pharmacology in Diagnostic Imaging	2
<u>RAD 223</u>		Sectional Anatomy	2
<u>RAD 225</u>		Clinical Education	3
<u>RAD 226</u>		Radiographic Quality Assurance	2
Seventh Semester			(2 Credits)
<u>RAD 240</u>		Clinical Education	2
Major/Area Requirements			(6 Credits)
<u>BIO 109</u>	**	Essentials of Human Anatomy and Physiology	4
<u>RAD 100</u>	**	Introduction to Diagnostic Imaging	2

Minimum Credits Required for the Program:

71— 72 Credits

Footnotes:

**These courses may be taken before admission to the Radiography program. (It is strongly advised that students complete the general education courses and HSC 101 before entering the Radiography program.) Students may transfer or substitute equivalent general education courses or a healthcare terminology course required for the Radiography program. Contact the program advisor for approval.*

***This course or a higher-level college anatomy and physiology course must be taken before being admitted to the program.*

**** This course may be taken before being admitted to the program.*

~~***MTH 169 should be taken for students planning to transfer to a four year university to complete a Bachelor degree program.~~

Program Information Report**School of Nursing and Health Sciences**

Find your place in the growing field of health care. Whether your interest lies in the traditional field of nursing or the new program in physical therapist assistant the School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, radiography, physical therapist assistant, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students and provides the general education courses to move from completion of a certificate program into an associate degree program.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, advanced certificate and General Education requirements.

Radiography

Prepare for a career as a radiographer, operating various medical imaging equipment.

Radiography (APRAD)**Associate in Applied Science Degree**

Program Effective Term: Fall 2011

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices and industries. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

Articulation:

Davenport University, Bachelor degree;
Eastern Michigan University, several BS degrees;
University of Michigan-Flint, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:
<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements:

A limited number of students are admitted to the Radiography Program each year. A formal application to the program is required. Application packets may be downloaded from the WCC Web site. Download the Radiography program application packet:

http://www4.wccnet.edu/departments/health/pdfs/radiography_application_packet.pdf

Completed and signed applications must be delivered to the Health Admissions Technician at the Student Connection, located on the second floor of the Student Center Building. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program
- Residency status: Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.
- Date of application to the Radiography Program

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions should contact the ARRT, (651) 687-0048, to inquire about eligibility to take the ARRT examination prior to applying for the Radiography Program.

Program Information Report

Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology
- Academic Math Level of 3
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course with a minimum of C+
- Completion of RAD 100, Introduction to Diagnostic Imaging with a minimum of C+
- Applicants must have a minimum cumulative 2.3 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session
- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records
- Undergo a current criminal background check. Students whose background check reveals a criminal conviction or current criminal charge will be denied admission to the program unless the student has documentation from the AART of their eligibility to take the certification exam.

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility Requirements:

- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
- Students must maintain personal health coverage.
- Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131, CPR/AED for the Professional Rescuer and First Aid.
- Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
- Students must complete all general education and support courses with a grade of "C" or better.
- All students must demonstrate proficiency in the English language prior to placement in clinical courses. Please refer to the application packet for further details.

First Semester (6 credits)		
MTH 169	Intermediate Algebra	4
RAD 101	Methods in Patient Care	2
RAD 111	Fundamentals of Radiography	2
Second Semester (12 credits)		
ENG 111	Composition I*	4
HSC 101	Healthcare Terminology*	1
RAD 110	Clinical Education	2
RAD 112	Radiographic Positioning I	3
RAD 124	Principles of Radiographic Exposure	3
Third Semester (12 credits)		
RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	3
RAD 125	Radiographic Procedures and Related Anatomy	3
PSY 100 or SOC 100	Introduction to Psychology* Principles of Sociology*	3
Fourth Semester (6 credits)		
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3
Fifth Semester (3 credits)		
COM 101	Fundamentals of Speaking*	3

Program Information Report

PHL 244	Ethical and Legal Issues in Health Care*	3
RAD 215	Radiography of the Skull	2
RAD 217	Clinical Education	3
RAD 235	Pathology for Radiographers	3

Sixth Semester (12 credits)

RAD 190	Physical Foundations of Radiography	3
RAD 222	Pharmacology in Diagnostic Imaging	2
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 226	Radiographic Quality Assurance	2

Seventh Semester (4 credits)

RAD 240	Clinical Education	2
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Major/Area Requirements (6 credits)

BIO 109	Essentials of Human Anatomy and Physiology**	4
RAD 100	Introduction to Diagnostic Imaging**	2

Minimum Credits Required for the Program:

72

Notes:

*These courses may be taken before admission to the Radiography program. (It is strongly advised that students complete the general education courses and HSC 101 before entering the Radiography program.) Students may transfer or substitute equivalent general education courses or a healthcare terminology course required for the Radiography program. Contact the program advisor for approval.

**This course or a higher-level college anatomy and physiology course must be taken before being admitted to the program.

***This course may be taken before being admitted to the program.

PROGRAM CHANGE OR DISCONTINUATION FORM

WASHTENAW COMMUNITY COLLEGE

Program Code: APRAD Program Name: Radiography

Effective Term: Sp/Su 2009

Division Code: HAT Department: Allied Health

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☐ Program admission requirements |
| ☐ Remove course(s): _____ | ☐ Continuing eligibility requirements |
| ☐ Add course(s): _____ | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☒ Other RAD 150 & RAD 250 clinical hours |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

The clinical hours for RAD 150 were changed from 440 hours per semester to 376 hours per semester. Because of the reduction in clinical hours, the credit hours for the course were reduced from 4 credit hours to 3 credit hours. The minimum credits required for the Radiography program will change from 72 credit hours to 71 credit hours.

The clinical hours were reduced so that the students would be required to complete four 8-hour clinical days per week instead of five 8-hour clinical days per week. The radiography students will be required to take RAD 218, Radiation Biology and Protection, during the same semester.

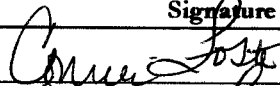
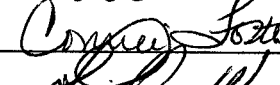
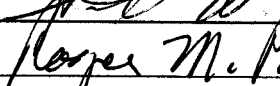
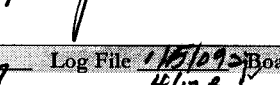
Financial/staffing/equipment/space implications:

NA

List departments that have been consulted regarding their use of this program.

This was discussed with all radiography program faculty.

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster		1/12/09
Department Chair	Connie Foster		1/12/09
Division Dean/Administrator	Granville Lee		1/12/09
Vice President for Instruction			3/11/09
President			

Do not write in shaded area. Entered in: Banner C&A Database 4/17 Log File 4/17 Board Approval

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.



Prepare for a career as a radiographer, operating various medical imaging equipment.

Radiography (APRAD)

Associate in Applied Science Degree

Major/Area Requirements

(6 credits)

BIO 109	Essentials of Human Anatomy and Physiology**	4
RAD 100	Introduction to Diagnostic Imaging**	2

First Semester

(7 credits)

MTH 166 or	Math for Radiography*	
MTH 169	Intermediate Algebra***	3-4
RAD 101	Methods in Patient Care	2
RAD 111	Fundamentals of Radiography	2

Second Semester

(13 credits)

ENG 111	Composition I*	4
HSC 101	Healthcare Terminology*	1
RAD 110	Clinical Education	2
RAD 112	Radiographic Positioning I	3
RAD 124	Principles of Radiographic Exposure	3

Third Semester

(11 credits)

RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	3
RAD 125	Radiographic Procedures and Related Anatomy	3
SOC 100	Principles of Sociology*	3

Fourth Semester

~~6~~ credits

RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Fifth Semester

(14 credits)

COM 101	Fundamentals of Speaking*	3
PHL 244	Ethical and Legal Issues in Health Care*	3
RAD 215	Radiography of the Skull	2
RAD 217	Clinical Education	3
RAD 235	Pathology for Radiographers	3

Sixth Semester

(12 credits)

RAD 190	Physical Foundations of Radiography	3
RAD 222	Pharmacology in Diagnostic Imaging	2
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 226	Radiographic Quality Assurance	2

Seventh Semester

(2 credits)

RAD 240	Clinical Education	2
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Minimum Credits Required for the Program:

72
71

Radiography (APRAD)

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices, and industries. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

Articulation: Davenport University, Bachelor degree, Eastern Michigan University, several BS degrees, University of Michigan-Flint, BS degree. Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements: Admission to the Radiography Program is on a first-come basis for all qualified applicants who have met all the admission requirements. A limited number of students are admitted to the Radiography Program each year. Application packets may be obtained from the WCC Office of Admissions. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program
- Residency status
- Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.
- Date of application to the Radiography Program

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions should contact the ARRT, (651)687-0048, to inquire about eligibility to take the ARRT examination prior to applying for the Radiography Program. Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology
- One year of high school algebra or Academic Math Level 3
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course

Continued on next page

Continued on next page

Program Information Report**School of Nursing and Health Sciences**

Find your place in the growing field of health care. Whether your interest lies in the traditional field of nursing or the new program in physical therapist assistant the School of Nursing and Health Sciences provides a variety of programs designed to prepare the student for entry-level positions in dental assisting, pharmacy technology, radiography, physical therapist assistant, nursing assistant or professional nursing. The health care foundations certificate provides a starting point for prospective nursing and health science students and provides the general education courses to move from completion of a certificate program into an associate degree program.

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Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, advanced certificate and General Education requirements.

Radiography

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Radiography (APRAD)**Associate in Applied Science Degree**

Program Effective Term: Fall 2009

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<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements:

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- Date of application to the Radiography Program

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Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

Program Information Report

- One year of high school biology or BIO 101: Concepts of Biology
- Academic Math Level of 3
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course
- Completion of RAD 100, Introduction to Diagnostic Imaging
- Applicants must have a minimum cumulative 2.0 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet, which can be obtained from the Office of Admissions. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session
- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records
- Undergo a current criminal background check. Students whose background check reveals a criminal conviction or current criminal charge will be denied admission to the program unless the student has documentation from the AART of their eligibility to take the certification exam.
- Students must demonstrate basic computer literacy skills by successfully passing the Computer and Information Literacy Test. The test must be taken before registering for the fall semester of the first year.

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility Requirements:

- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
- Students must maintain personal health coverage.
- Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131, CPR/AED for the Professional Rescuer and First Aid.
- Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
- Students must complete all general education and support courses with a grade of "C" or better.
- All students must demonstrate proficiency in the English language prior to placement in clinical courses. Please refer to the application packet for further details.

First Semester		(7 credits)
MTH 166 or	Math for Radiography*	
MTH 169	Intermediate Algebra***	3-4
RAD 101	Methods in Patient Care	2
RAD 111	Fundamentals of Radiography	2
Second Semester		(13 credits)
ENG 111	Composition I*	4
HSC 101	Healthcare Terminology*	1
RAD 110	Clinical Education	2
RAD 112	Radiographic Positioning I	3
RAD 124	Principles of Radiographic Exposure	3
Third Semester		(11 credits)
RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	3
RAD 125	Radiographic Procedures and Related Anatomy	3
SOC 100	Principles of Sociology*	3
Fourth Semester		(6 credits)
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Program Information Report

Fifth Semester		(14 credits)
COM 101	Fundamentals of Speaking*	3
PHL 244	Ethical and Legal Issues in Health Care*	3
RAD 215	Radiography of the Skull	2
RAD 217	Clinical Education	3
RAD 235	Pathology for Radiographers	3
Sixth Semester		(12 credits)
RAD 190	Physical Foundations of Radiography	3
RAD 222	Pharmacology in Diagnostic Imaging	2
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 226	Radiographic Quality Assurance	2
Seventh Semester		(2 credits)
RAD 240	Clinical Education	2
Major/Area Requirements		(6 credits)
BIO 109	Essentials of Human Anatomy and Physiology**	4
RAD 100	Introduction to Diagnostic Imaging**	2

Minimum Credits Required for the Program:

71

Notes:

*These courses may be taken before admission to the Radiography program. (It is strongly advised that students complete the general education courses and HSC 101 before entering the Radiography program.) Students may transfer or substitute equivalent general education courses or a healthcare terminology course required for the Radiography program. Contact the program advisor for approval.

**This course must be taken before being admitted to the program.

***MTH 169 should be taken for students planning to transfer to a four-year university to complete a Bachelor degree program.

Students must meet the Computer and Information Literacy Graduation Requirement. See General Education Graduation Requirements in the WCC Bulletin.

Request for General Education Exemption Due to National External Accreditation Requirements

Please Complete the Following:

Program Name:	Radiography Program
Degree:	Associate in Applied Science Degree
Program Code:	143
Accrediting Agency:	Joint Review Committee on Education in Radiologic Technology (JRCERT)
<i>Please attach documentation that shows the maximum hour/semester requirement.</i>	

Please identify area where exemption is requested. A maximum of 3 credit hours will be exempted:

X	Select an area to exclude from Gen. Ed.	AA	AS	AAS
	I. Writing	6-7 credits	6-7 credits	3-4 credits
	II. Speech	3 credits	3 credits	3 credits
	III. Mathematics	3-4 credits	3-4 credits	3-4 credits
	IV. Natural Science	4 credits	4 credits	3-4 credits
	V. Social & Behavioral Science	6 credits	6 credits	3 credits
	VI. Arts and Humanities	6 credits	6 credits	3 credits
N/A	VII. Critical Thinking *	0 credits	0 credits	0 credits
X	VIII. Computer and Information Literacy	3 credits	3 credits	3 credits

**Critical Thinking is met through the completion of courses in other areas*

Rationale:	The field of diagnostic radiology is now computer-based. The basic principles of computers, the use of computers, and computer information systems are a required part of the radiography curriculum. (see attached JRCERT Radiography Curriculum Analysis).
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Please describe the impact of removing this requirement. Is the content covered in other ways within the program? How will this impact students in their career choices?

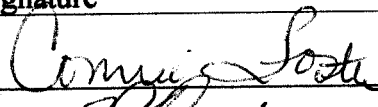
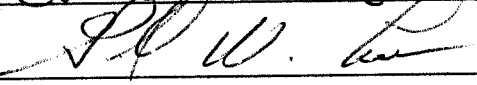
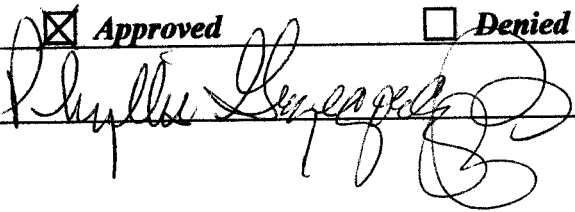
Exempting the Computer and Information Literacy course from the radiography program will not have a negative impact on the radiography students. The content is covered in the didactic, lab and clinical radiography courses throughout the radiography program. We have not experienced a problem with the computer skills of the students entering the radiography program.

Requiring the Computer and Information Literacy course would have a negative impact on the radiography students who transfer to Eastern Michigan University (EMU) to complete the Bachelor of Science in Health Administration degree. The general education courses currently required for the radiography program meet the MACRO agreement for the articulation agreement with EMU. (See attached articulation agreement between WCC and EMU for the Bachelor of Science in Health Administration)

RECEIVED

MAR 30 2010

Request for General Education Exemption Due to National External Accreditation Requirements

	Signature	Date
Department Chair		3/26/10
Dean		3/29/2010
Vice President for Instruction	☒ Approved ☐ Denied 	3-30-2010

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: APRAD Program Name: Radiography Program

Effective Term: Fall 2008

Division Code: HAT Department: Allied Health Department

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|---|---|
| ☐ Review | ☐ Program admission requirements |
| ☐ Remove course(s): _____ | ☐ Continuing eligibility requirements |
| ☒ Add course(s): <u>Math 169</u> as recommended _____ | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☒ Other break courses down by semester _____ |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.**Rationale for proposed changes or discontinuation:**

Math 169 will be recommended as an option for students planning to transfer to a four-year institution.
The courses need to be broken down by semesters in order to advise students on how to plan their schedules.

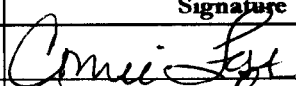
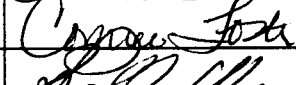
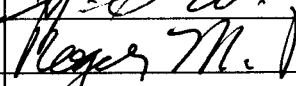
Financial/staffing/equipment/space implications:

NA

List departments that have been consulted regarding their use of this program.

Math department

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster		3/18/08
Department Chair	Connie Foster		3/18/08
Division Dean/Administrator	Granville Lee		3/18/08
Vice President for Instruction			4/10/08
President			

Do not write in shaded area. Entered in: Banner _____ C&A Database 4/10 Log File 3/19/08 Board Approval _____

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

Program Information Report**School of Nursing and Health Sciences****Radiography****Radiography (APRAD)****Associate in Applied Science Degree****Program Effective Term: Fall 2008**

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two-year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices, and industries. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

Articulation:

Davenport University, Bachelor degree
Eastern Michigan University, several BS degrees
University of Michigan-Flint, BS degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:
<http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

Program Admission Requirements:

Admission to the Radiography Program is on a first-come basis for all qualified applicants who have met all the admission requirements. A limited number of students are admitted to the Radiography Program each year. Application packets may be obtained from the WCC Office of Admissions. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program
- Residency status

Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.

- Date of application to the Radiography Program

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions should contact the ARRT, (651)687-0048, to inquire about eligibility to take the ARRT examination prior to applying for the Radiography Program.

Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology
- One year of high school algebra, MTH 097: Foundations of Algebra, or minimum COMPASS Algebra score of 32
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course
- Completion of RAD 100, Introduction to Diagnostic Imaging
- Applicants must have a minimum cumulative 2.0 GPA for college courses
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet, which can be obtained from the Office of Admissions. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the spring/summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session
- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records
- Undergo a current criminal background check. Students whose background check reveals a criminal conviction or current criminal charge will be denied admission to the program unless the student has documentation from the AART of their eligibility to take the certification exam.
- Students must demonstrate basic computer literacy skills by successfully passing the Computer and Information Literacy Test. The

Program Information Report

test must be taken before registering for the fall semester of the first year.

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility Requirements:

- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
- Students must maintain personal health coverage.
- Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131, CPR/AED for the Professional Rescuer and First Aid.
- Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
- Students must complete all general education and support courses with a grade of "C" or better.
- All students must demonstrate proficiency in the English language prior to placement in clinical courses. Please refer to the application packet for further details.

First Semester		(7 credits)
MTH 166 or	Math for Radiography*	
MTH 169	Intermediate Algebra***	3-4
RAD 101	Methods in Patient Care	2
RAD 111	Fundamentals of Radiography	2
Second Semester		(13 credits)
ENG 111	Composition I*	4
HSC 101	Healthcare Terminology*	1
RAD 110	Clinical Education	2
RAD 112	Radiographic Positioning I	3
RAD 124	Principles of Radiographic Exposure	3
Third Semester		(11 credits)
RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	3
RAD 125	Radiographic Procedures and Related Anatomy	3
SOC 100	Principles of Sociology*	3
Fourth Semester		(7 credits)
RAD 150	Clinical Education	4
RAD 218	Radiation Biology and Protection	3
Fifth Semester		(14 credits)
COM 101	Fundamentals of Speaking*	3
PHL 244	Ethical and Legal Issues in Health Care*	3
RAD 215	Radiography of the Skull	2
RAD 217	Clinical Education	3
RAD 235	Pathology for Radiographers	3
Sixth Semester		(12 credits)
RAD 190	Physical Foundations of Radiography	3
RAD 222	Pharmacology in Diagnostic Imaging	2
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 226	Radiographic Quality Assurance	2
Seventh Semester		(2 credits)
RAD 240	Clinical Education	2
Major/Area Requirements		(6 credits)
BIO 109	Essentials of Human Anatomy and Physiology**	4
RAD 100	Introduction to Diagnostic Imaging**	2

Minimum Credits Required for the Program:

72

Program Information Report**Notes:**

**These courses may be taken before admission to the Radiography program. (It is strongly advised that students complete the general education courses and HSC 101 before entering the Radiography program.) Students may transfer or substitute equivalent general education courses or a healthcare terminology course required for the Radiography program. Contact the program advisor for approval.*

***This course must be taken before being admitted to the program.*

****MTH 169 should be taken for students planning to transfer to a four-year university to complete a Bachelor degree program.*

Students must meet the Computer and Information Literacy Graduation Requirement. See General Education Graduation Requirements in the WCC Bulletin.

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: ^{AP} RAD Program Name: Radiography

Effective Term: Fall 2007

Division Code: HAT Department: Allied health Department

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☒ Program admission requirements |
| ☒ Remove course(s): MTH 165 Health Science Mathematics | ☐ Continuing eligibility requirements |
| ☒ Add course(s): MTH 166 Math for Radiography | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☒ Other <u>minor changes in post admission requirements- see attached sheet</u> |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

Math department revised MTH 165, which is now MTH 166
Program Admission Requirements.

1. Proof of High School graduation or a GED is no longer required. Students must meet successfully complete BIO 109 and RAD 100 before submitting an application to the radiography program.
2. Applicants must have a minimum cumulative 2.0 GPA for college courses.

Financial/staffing/equipment/space implications:

NA

List departments that have been consulted regarding their use of this program.

Admission's Office and Counseling (Sue Travis).

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster	<i>Connie Foster</i>	August 1, 2007
Department Chair	Connie Foster	<i>Connie Foster</i>	August 1, 2007
Division Dean/Administrator	<i>[Signature]</i>	<i>GRANVILLE L.P.</i>	8/2/07
Vice President for Instruction		<i>Page M. Palmer</i>	10/1/07
President	WHITWORTH	<i>Barry Whitworth</i>	

Do not write in shaded area. Entered in: Banner 10/2 C&A Database 10/2 Log File 10/2 Board Approval 10/2

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: ~~RAD~~ ^{APRAD} Program Name: Radiography

Effective Term: Fall 2007

Division Code: HAT Department: Allied Health Department

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☒ Program admission requirements |
| ☐ Remove course(s): _____ | ☐ Continuing eligibility requirements |
| ☐ Add course(s): _____ | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☐ Other _____ |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

Students must achieve a C or better on the radiography program prerequisites courses BIO 109 and RAD 100. Requiring students to achieve a C or better on all general education and support courses will make the admission requirements consistent.

Students are required to undergo a criminal background check in order to be admitted to the radiography program. Clinical affiliates are requiring students to have a criminal background check before they can be assigned to a clinical rotation.

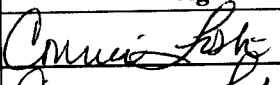
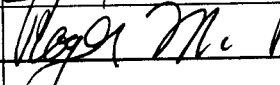
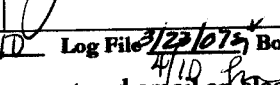
Financial/staffing/equipment/space implications:

NA

List departments that have been consulted regarding their use of this program.

Admission's Office and Counseling (Sue Travis)

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster		3/20/07
Department Chair	Connie Foster		3/20/07
Division Dean/Administrator	J. GRANVILLE LEE		3/20/07
Vice President for Instruction			4/10/07
President			

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Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

Program Information Report**Health****Radiography (APRAD)****Associate in Applied Science Degree****Program Effective Term: Fall 2007**

This program prepares students for an entry-level position as a radiographer who operates medical imaging equipment and plays a vital role in healthcare delivery. This full-time, two year program offers a diverse curriculum that includes comprehensive classroom instruction in conjunction with individualized laboratory work and 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). Employment opportunities exist in hospitals, medical clinics, doctor's offices, and industries. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

Articulation:

This program has an articulation agreement with Eastern Michigan University, the College of Health and Human Services, for the Bachelor of Science in the Health Administration Program. Transferring students should contact the program director for the Health Administration Program at EMU.

Program Admission Requirements:

Admission to the Radiography Program is on a first-come basis for all qualified applicants who have met all the admission requirements. A limited number of students are admitted to the Radiography Program each year. Application packets may be obtained from the WCC Office of Admissions. Applications may be submitted prior to completing all prerequisite course requirements. Applicants will be screened based on the following criteria:

- Completion of an application for admission to the Radiography program.
- Completion of all prerequisite courses by January 1 (see below for specific courses).
- Residency status

Students who meet the WCC residency policy are admitted from Washtenaw County and surrounding counties in which the program has established clinical affiliates. Contact the Program Director for a current listing of the program clinical affiliates.

- Date of application to the Radiography Program.

Note: It is the policy of Washtenaw Community College to screen its students applying to the radiography program for prior criminal convictions as a condition for admission. Individuals who have been convicted of a felony or have an abuse record may not be permitted to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Students with questions should contact the ARRT (651.687.0048) to inquire about eligibility to take the ARRT examination prior to applying for the Radiography Program.

Applicants must possess a valid high school diploma or GED.

Applicants must complete the following high school courses or equivalent WCC courses with a grade of "C" or better:

- One year of high school biology or BIO 101: Concepts of Biology
- One year of high school algebra, MTH 097: Foundations of Algebra, or minimum COMPASS Algebra score of 46
- Completion of BIO 109 or an equivalent college-level anatomy and physiology course
- Completion of RAD 100, Introduction to Diagnostic Imaging
- Admission to the Radiography program is contingent upon students declaring that they have specific physical and cognitive abilities. These requirements are detailed in the Radiography program admission packet, which can be obtained from the Office of Admissions. WCC reserves the right to request that students successfully demonstrate the specific cognitive and physical abilities related to the Radiography Program.

Post Admission Requirements:

One class is admitted each year in the Spring/Summer semester. Upon official notification of admission to the Radiography program, students are required to:

- Attend a mandatory Radiography Orientation Session
- Submit evidence of medical insurance
- Submit a current certification in CPR for the Professional Rescuer
- Submit documentation of a physical examination by a licensed physician or nurse practitioner
- Submit immunization records
- Students must demonstrate basic computer literacy skills by successfully passing the Computer and Information Literacy Test. The test may be taken at any point during the program, but must be completed before graduating.
- Undergo a criminal background check

Students who fail to comply with the post admission requirements will not be permitted to register for classes and will forfeit their seat in the program.

Continuing Eligibility Requirements:

- Students must demonstrate basic computer literacy skills by successfully passing the Computer and Information Literacy Test. The test may be taken at any point during the program, but must be completed before graduating.
- Students must pass a physical examination, taken at their own expense, not more than three months before enrolling in the first clinical education course.
- Students must maintain personal health coverage.

Program Information Report

- Students must be certified in CPR for the Professional Rescuer to be eligible to enroll in clinical education courses which begin in the Fall semester. If they have not received certification through another agency, they can obtain it by completing HSC 131 (CPR/FPR and First Aid).
- Program courses are sequential and complemented with appropriate support courses. Students must complete all Radiography (RAD) courses with a grade of "C-" or above.
- Students must complete all general education and support courses with a grade of "C" or better.
- All students must demonstrate proficiency in the English language prior to placement in clinical courses. Please refer to the application packet for further details.

General Education Requirements		(20 credits)
ENG 111	Composition I*	4
COM 101	Fundamentals of Speaking*	3
MTH 165	Health Science Mathematics*	3
BIO 109	Essentials of Human Anatomy and Physiology**	4
SOC 100	Principles of Sociology*	3
PHL 244	Ethical and Legal Issues in Health Care*	3

Students must complete BIO 109, or an equivalent anatomy and physiology course, and RAD 100 before their application will be considered for admission to the Radiology Program.

Major/Area Requirements		(52 credits)
HSC 101	Healthcare Terminology*	1
RAD 100	Introduction to Diagnostic Imaging**	2
RAD 101	Methods in Patient Care	2
RAD 110	Clinical Education	2
RAD 111	Fundamentals of Radiography	2
RAD 112	Radiographic Positioning I	3
RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	3
RAD 124	Principles of Radiographic Exposure	3
RAD 125	Radiographic Procedures and Related Anatomy	3
RAD 150	Clinical Education	4
RAD 190	Physical Foundations of Radiography	3
RAD 215	Radiography of the Skull	2
RAD 217	Clinical Education	3
RAD 218	Radiation Biology and Protection	3
RAD 222	Pharmacology in Diagnostic Imaging	2
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 226	Radiographic Quality Assurance	2
RAD 235	Pathology for Radiographers	3
RAD 240	Clinical Education	2

Minimum Credits Required for the Program:

72

Notes:

**These courses may be taken before admission to the Radiography Program. (It is strongly advised that students complete the general education courses and HSC 101 before entering the Radiography Program.) Students may transfer or substitute equivalent general education courses or a healthcare terminology course required for the Radiography Program. Contact the program advisor for approval.*

***This course must be taken before being admitted to the program.*

*Prerequisites that must be taken before admission to the program: BIO 109 and RAD 100.
General education courses and HSC 101 can be taken before admission to the program.*

IS	IF	IW	
MTH 165	COM 101	ENG 111	
RAD 101	HSC 101	RAD 120	
RAD 111	RAD 110	RAD 123	
	RAD 112	RAD 125	
	RAD 124	RAD 190	
IIS	IIF	IIW	IIIS
RAD 150	PHL 244	RAD 222	RAD 240

Program Information Report

<i>RAD 218</i>	<i>RAD 215</i>	<i>RAD 223</i>
	<i>RAD 217</i>	<i>RAD 225</i>
	<i>RAD 235</i>	<i>RAD 226</i>
		<i>SOC 100</i>

CORE CURRICULUM PROGRAM ASSESSMENT

To be used to complete Core Curriculum Project and to be included in the 1993-94 College Catalog.

Radiography Associate in Applied Science Degree Program: Code RAD

Advisors: Gerald Baker, Robert Nelson

FIRST YEAR

Course Number	Course Title	Credit Hours
--------------------------	---------------------	-------------------------

First Semester (Summer) -- 7 weeks

MTH 165	Health Science Math *	3
RAD 100	Introduction to Radiography	2
RAD 101	Methods in Patient Care	<u>2</u>
		7

Second Semester (Fall) - 15 weeks

BIO 111	Anatomy and Physiology *	5
RAD 110	Clinical Education (second 7 ½ weeks)	1
RAD 111	Fundamentals of Radiography (first 7 ½ weeks)	2
RAD 112	Radiographic Positioning I	2
RAD 113	Radiographic Processing (second 7 ½ weeks)	2
RDG 115	Medical Terminology *	<u>2</u>
		14

Third Semester (Winter) -- 15 weeks

ENG 111	Composition I	4
RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	2
RAD 124	Principles of Radiographic Exposure	3
RAD 125	Radiologic Procedures and Related Anatomy	3
RAD 127	Principles of Radiographic Exposure Laboratory	<u>1</u>
		15

Fourth Half-Semester

(Spring) -- 7 weeks

RAD 130	Clinical Education	2
PLS 108	Government and Society	<u>3</u>

(Summer) -- 7 weeks

RAD 140 Clinical Education 2
2

SECOND YEAR

Fifth Semester (Fall) -- 15 weeks

CIS 100 Introduction to Computers..... 3
~~PSY 100 Introductory Psychology (delete).....~~
RAD 215 Radiography of the Skull 2
RAD 217 Clinical Education 3
RAD 218 Radiation Biology (first 7 ½ weeks) 2
RAD 219 Radiation Protection (second 7 ½ weeks)..... 2
12

Sixth Semester (Winter) -- 15 weeks

RAD 135 Pathology for Radiographers..... 2
RAD 200 Physical Foundations of Radiology 3
RAD 220 Management of Rad. Environment 2
RAD 225 Clinical Education 3
Elective Restricted Humanities Elective 3
13

Seventh Semester (Spring) -- 7 weeks

RAD 240 Clinical Education 2
2

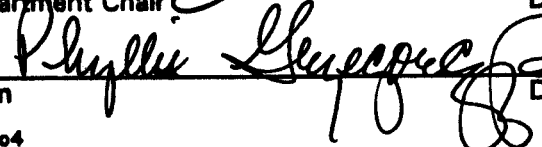
Total credit hours for program: 70

Restricted Humanities Electives

ART 130 Art Appreciation
FRN 111 First Year French
GRM 111 First Year German
HUM 101 Intro to Humanities I
MUS 180 Music Appreciation
SPN 111 First Year Spanish

* These courses may be taken before acceptance and/or entry into the Radiography program.
Signatures

 7-15-93

Department Chair Date
 7-15-93

Dean Date
memo4

**WASHTENAW COMMUNITY COLLEGE
PROGRAM CHANGE REQUEST**

(1) Program Title: Radiography Program Number: RAD Effective Term: Summer 1993

(2) Change Information:

Current Program Course Requirements:		
Course Number	Course Title	Credit Hours
100 or above	<i>Delete the following:</i> Sociology Elective	3
PHY 143	Radiologic Physics	4
RAD 097	Registry Review	1
RECEIVED INSTRUCTIONAL & STUDENT SERVICES		
Current Total Credits:		75
Non-Course Program Requirements:		

Proposed Program Course Requirements		
Course Number	Course Title	Credit Hours
	Delete Sociology requirement	
RAD 200	<i>Add:</i> Physical Foundations of Radiology	3
	Delete Registry Review	
	<i>HSC 131</i> *CPR Student must be certified in Basic Life Support before entering clinical education. This course will be waived for those students with a current certificate in BLS. <i>See attached revised program</i>	
Proposed Total Credits:		70
Non-Course Program Requirements:		

(3) Rationale for Proposed Changes:

Registry Review will be presented as a seminar open to WCC students and students enrolled in other programs throughout the state. Our original intent was to have radiography students enroll in SOC 201 Medical Sociology - this course has not appeared in the class schedule for over a year. Core requirements will be met in other courses. Physics principles will be incorporated in a course more directly related to Radiography.

(4) Financial/Staffing/Resource Implications of Change

(5) Has this program change been reviewed by all affected instructional departments? yes _____ no _____

(6) Signatures

Comments	Signature	Date
Program Change Initiator		
Department Chair(s) or Area Director(s)	<i>[Signature]</i>	11-24-92
Dean(s)	<i>[Signature]</i>	11-25-92
VP for Instruction/Student Services	<i>[Signature]</i>	12/2