

**Program Information Report****Health Sciences****Magnetic Resonance Imaging (MRI) (CPMRIP)****Post-Associate Certificate****Program Effective Term: Fall 2022**

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

**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.

WCC Radiography students who are currently enrolled in the final year of their program and expected to graduate in the Spring/Summer semester are given priority and may submit an incomplete program application during the application window. It is strongly recommended that WCC Radiography graduates schedule and sit for their ARRT Certification Examination within the two weeks following the completion of their program. Verification of all pending admission prerequisite requirements must be submitted within the deadline to be eligible to begin the program if accepted.

**Requirement After Acceptance**

Upon acceptance, students must purchase an account from 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. Specific information regarding the college-designated vendor, health records, and deadline dates will be provided at the mandatory orientation session.

**Program Admission Requirements:**

Washtenaw Community College uses a limited enrollment process for admission to this program. Each year, approximately 12 students are accepted to the program for a Fall semester start. 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 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 admissions process and to download the application can be found 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 course:
  - a. Cross-sectional anatomy course from a JRCERT accredited college or hospital-based radiography program or RAD 223 with a minimum grade of B-/2.7 or completion of the ASRT module titled Sectional Anatomy Essentials: The Series. Applicants must prove receipt of credits from the ASRT.
3. Graduate of one (1) of the accredited programs below:
  - JRCERT
  - JRCNMT
  - JRC-DMS
  - JRC-CVT
  - CAAHEP
- Expected to graduate from WCC's Radiography program in the Spring/Summer semester
4. Current American Registry of Radiologic Technologists (ARRT), American Registry for Diagnostic Medical Sonography (ARDMS) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
  - Radiography (R)

## Program Information Report

- Sonography
- Nuclear Medicine (N)
- Radiation Therapy (T)
- Expected to graduate from WCC's Radiography program in the Spring/Summer semester
- 5. Minimum cumulative college GPA of 3.0.
- 6. Technical standards. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to 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. Any student found to have a positive drug screen for drugs prohibited by State of Michigan or Federal law (including marijuana) or controlled substances will be dismissed from the program. Failure to receive an acceptable criminal background/fingerprinting at any time, will result in dismissal from the program.
2. Students must complete any other health requirements as designated by the clinical sites.
3. All Magnetic Resonance Imaging (MRI) courses must be completed with a minimum grade of C/2.0.
4. Students will be required to attend a hospital orientation session prior to starting their clinical rotation.
5. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
6. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program.
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.

<b>Semester 1 (Fall)</b>		<b>(12 credits)</b>
MRI 101	MRI Safety, Instrumentation, and Quality Assurance	2
MRI 110	MRI Physics I	3
MRI 120	MRI Procedures I	3
MRI 126	MRI Clinical Education I	4

<b>Semester 2 (Winter)</b>		<b>(10 credits)</b>
MRI 130	MRI Physics II	3
MRI 140	MRI Procedures II	3
MRI 146	MRI Clinical Education II	4

**Minimum Credits Required for the Program: 22**

## WASHTENAW COMMUNITY COLLEGE

## PROGRAM CHANGE FORM

<b>Program Code: CPMRIP</b>	<b>Current Program Name: Magnetic Resonance Imaging (MRI)</b>	<b>Effective Term: Fall 2022</b>
<b>Division Code: HLT</b>	<b>Department: Allied Health</b>	

**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:**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Remove course(s): <u>MRI 125, 135, 145, 160, 162, 165</u> | <input type="checkbox"/> Program outcomes (may also result from removing or adding a course)* |
| <input checked="" type="checkbox"/> Add course(s): <u>MRI 126, 146</u>                        | <input checked="" type="checkbox"/> Program assessment plan*                                  |
| <input type="checkbox"/> Program title (new title is _____)                                   | <input type="checkbox"/> Accreditation information  |
| <input type="checkbox"/> Description  | <input type="checkbox"/> Other _____  |
| <input type="checkbox"/> Advisors   |   |
| <input type="checkbox"/> Program admission requirements                                       |   |
| <input type="checkbox"/> Continuing eligibility requirements                                  |   |

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.

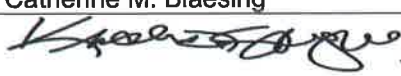
**Show all changes on the [catalog page you attach](#).**

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

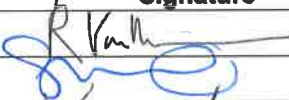

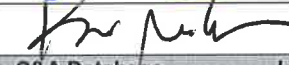
**Rationale for proposed changes:**

We have to compete against other institutions that are offering a similar MRI program in a shorter time frame, although not to the success rate we have at WCC. The program is being reduced from 29 to 22 credits so that students can begin the program in the Fall and complete the program in two semesters instead of three. MRI 135, 160, 162 and 165 are being inactivated. Content from the courses being removed from the program will be incorporated into existing programs. MRI 125 and MRI 145 are increasing from three to four credits; the new course numbers will be MRI 126 and MRI 146.

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

Reviewer	Print Name	Signature	Date
Initiator	Cathy Blaesing	Catherine M. Blaesing	01/18/2022
Department Chair	Kristina Sprague		1/19/22

PROGRAM CHANGE FORM

Division Dean/Administrator	Dr. Shari Lambert	<div style="border: 1px solid black; padding: 2px;">                 Shari Lee                  Lambert, DNP, RN                  Digitally signed by Shari Lee Lambert, DNP, RN                  Date: 2022.01.19 15:11:35 -05'00'             </div>	
<b>Please return completed form to the Office of Curriculum &amp; Assessment, SC 257 or by e-mail to curriculum.assessment@wccnet.edu</b> Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.			
<b>Reviewer</b>	<b>Print Name</b>	<b>Signature</b>	<b>Date</b>
Curriculum Committee Chair	Randy Van Wagnen		2-11-22
Assessment Committee Chair	SHAWN DE ROO		2.11.22
Vice President for Instruction	Kimberly Hurns		2.11.22
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Reviewed by C&A Committees 2/3/22

**Program Information Report****Health Sciences****Magnetic Resonance Imaging (MRI) (CPMRIP)****Post-Associate Certificate****Program Effective Term: Fall 2022**

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

**Applying for Admission to the Program:**

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**Requirement After Acceptance**

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**Program Admission Requirements:**

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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 admissions process and to download the application can be found 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 course:
  - a. Cross-sectional anatomy course from a JRCERT accredited college or hospital-based radiography program or RAD 223 with a minimum grade of B-/2.7 or completion of the ASRT module titled Sectional Anatomy Essentials: The Series. Applicants must prove receipt of credits from the ASRT.
3. Graduate of one (1) of the accredited programs below:
  - JRCERT
  - JRCNMT
  - JRC-DMS
  - JRC-CVT
  - CAAHEP
- Expected to graduate from WCC's Radiography program in the Spring/Summer semester
4. Current American Registry of Radiologic Technologists (ARRT), American Registry for Diagnostic Medical Sonography (ARDMS) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
  - Radiography (R)

## Program Information Report

- Sonography
- Nuclear Medicine (N)
- Radiation Therapy (T)
- Expected to graduate from WCC's Radiography program in the Spring/Summer semester
- 5. Minimum cumulative college GPA of 3.0.
- 6. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to 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. Any student found to have a positive drug screen for drugs prohibited by State of Michigan or Federal law (including marijuana) or controlled substances will be dismissed from the program. Failure to receive an acceptable criminal background/fingerprinting at any time, will result in dismissal from the program.
2. Students must complete any other health requirements as designated by the clinical sites.
3. All Magnetic Resonance Imaging (MRI) courses must be completed with a minimum grade of C/2.0.
4. Students will be required to attend a hospital orientation session prior to starting their clinical rotation.
5. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
6. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program.
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.

<b>Semester 1 (Fall)</b>		<b>(11 credits)</b>
MRI 101	MRI Safety	2
MRI 110	MRI Physics I	3
MRI 120	MRI Procedures I	3
MRI 125	MRI Clinical Education I	3

<b>Semester 2 (Winter)</b>		<b>(10 credits)</b>
MRI 130	MRI Physics II	3
MRI 135	MRI Quality Assurance	1
MRI 140	MRI Procedures II	3
MRI 145	MRI Clinical Education II	3

<b>Semester 3 (Spring/Summer)</b>		<b>(8 credits)</b>
MRI 160	MRI Advanced Imaging Procedures	3
MRI 162	MRI Pulsed Sequence, Imaging Options, and Parameters	2
MRI 165	MRI Clinical Education III	3

**Minimum Credits Required for the Program: 29**



**PROGRAM CHANGE FORM**

<b>Program Code: CPMRIP</b>	<b>Current Program Name: Magnetic Resonance Imaging</b>	<b>Effective Term: Fall 2022</b>
<b>Division Code: HLT</b>	<b>Department: Allied Health</b>	

**Directions:**

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**Requested Changes:**

- |  |   |
|--|---|
| <input type="checkbox"/> Remove course(s): _____                   | <input type="checkbox"/> Program outcomes (may also result from removing or adding a course)* |
| <input type="checkbox"/> Add course(s): _____                      | <input type="checkbox"/> Program assessment plan*   |
| <input type="checkbox"/> Program title (new title is _____)        | <input type="checkbox"/> Accreditation information  |
| <input type="checkbox"/> Description                               | <input type="checkbox"/> Other _____  |
| <input type="checkbox"/> Advisors                                  |   |
| <input checked="" type="checkbox"/> Program admission requirements |   |
| <input type="checkbox"/> Continuing eligibility requirements       |   |

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**Show all changes on the catalog page you attach.**

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**Rationale for proposed changes:**

Not all radiography programs offer a cross-sectional anatomy course. This change in prerequisites better reflects the pool of candidates seeking certification in Computed Tomography.

**Financial/staffing/equipment/space implications:**

N/A

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

N/A

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	William Nelson	<i>William Nelson</i>	10/15/2021
Department Chair	Kristina Sprague	Kristina Sprague <small>Digitally signed by Kristina Sprague Date: 2021.10.18 08:37:34 -04'00'</small>	10/18/2021
Division Dean/Administrator	<i>Eve Samulski</i>	<i>Eve Samulski</i>	10/18/21
<p><b>Please return completed form to the Office of Curriculum &amp; Assessment, SC 257</b>  <b>or by e-mail to curriculum.assessment@wccnet.edu</b>  <b>Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.</b></p>			

**PROGRAM CHANGE FORM**

<b>Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.</b>			
<b>Reviewer</b>	<b>Print Name</b>	<b>Signature</b>	<b>Date</b>
Curriculum Committee Chair	<b>Randy Van Wagnen</b>	<i>RVanWagnen</i>	<b>11/12/2021</b>
Vice President for Instruction	Kimberly Hurns	<i>Kim M. Hurns</i>	12/7/2021

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Reviewed by C&A Committees 11/11/21



**Program Information Report****Health Sciences****Magnetic Resonance Imaging (MRI) (CPMRIP)****Post-Associate Certificate****Program Effective Term: Fall 2021**

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3. Graduate of one (1) of the accredited programs below:
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  - JRCNMT
  - JRC-DMS
  - JRC-CVT
  - CAAHEP
  - Expected to graduate from WCC's Radiography program in the Spring/Summer semester
4. Current American Registry of Radiologic Technologists (ARRT), American Registry for Diagnostic Medical Sonography (ARDMS) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
  - Radiography (R)
  - Sonography

## Program Information Report

- Nuclear Medicine (N)
- Radiation Therapy (T)
- Expected to graduate from WCC's Radiography program in the Spring/Summer semester

5. Minimum cumulative college GPA of 3.0.

6. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to the program.

### Continuing Eligibility Requirements:

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6. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program.
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.

### Semester 1 (Fall) (11 credits)

MRI 101	MRI Safety	2
MRI 110	MRI Physics I	3
MRI 120	MRI Procedures I	3
MRI 125	MRI Clinical Education I	3

### Semester 2 (Winter) (10 credits)

MRI 130	MRI Physics II	3
MRI 135	MRI Quality Assurance	1
MRI 140	MRI Procedures II	3
MRI 145	MRI Clinical Education II	3

### Semester 3 (Spring/Summer) (8 credits)

MRI 160	MRI Advanced Imaging Procedures	3
MRI 162	MRI Pulsed Sequence, Imaging Options, and Parameters	2
MRI 165	MRI Clinical Education III	3

**Minimum Credits Required for the Program: 29**

**Program Information Report****Magnetic Resonance Imaging (MRI) (CPMRIP)****Post-Associate Certificate****Program Effective Term: Fall 2019**

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6. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully

**Program Information Report**

demonstrate specific physical and cognitive abilities related to the program.  
 7. Residency verification.

**Continuing Eligibility Requirements:**

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MRI 145	MRI Clinical Education II	3
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MRI 160	MRI Advanced Imaging Procedures	3
MRI 162	MRI Pulsed Sequence, Imaging Options, and Parameters	2
MRI 165	MRI Clinical Education III	3

**Minimum Credits Required for the Program: 29**

## Nelson, Lisa

---

**From:** Nelson, Lisa  
**Sent:** Tuesday, January 15, 2019 8:18 AM  
**To:** Hann, Hannah  
**Cc:** Nelson, William; Garrett, Joy  
**Subject:** RE: CPMRIP Changes  
**Attachments:** Magnetic Resonance Imaging (MRI) (CPMRIP).pdf

Hi Hannah,

The changes below have been made for this program effective Fall 2019. See attached file.

Thanks,  
Lisa

---

**From:** Hann, Hannah <HHann@wccnet.edu>  
**Sent:** Monday, January 14, 2019 12:56 PM  
**To:** Garrett, Joy <jogarrett@wccnet.edu>  
**Cc:** Nelson, William <WNelson@wccnet.edu>; Nelson, Lisa <lnelson@wccnet.edu>  
**Subject:** CPMRIP Changes

Hi Joy,

The paragraph under "Requirements After Acceptance" and point 1 the "Continuing Eligibility Requirements" for the Magnetic Resonance Imaging (CPMRIP) program need to be updated on the degree page. The "Requirements After Acceptance" paragraph was revised because information regarding the background check and health records will be provided at the mandatory orientation. The changes highlighted in yellow under point 1 of the "Continuing Eligibility Requirements" came directly from Linda Blakey (in accordance with Valerie Greaves). Linda Blakey wants this statement to be added to all health program application packets under the continuing eligibility requirements.

### Requirements After Acceptance

Upon acceptance, students must purchase an account from 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. Specific information regarding the college-designated vendor, health records, and deadline dates will be provided at the mandatory orientation session.

### 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. Any student found to have a positive drug screen for drugs prohibited by State of Michigan or Federal law (including marijuana) or controlled substances will be dismissed from the program. Failure to receive an acceptable criminal background/fingerprinting at any time, will result in dismissal from the program.

Please let William know what he needs to do to make these changes with your department. And, are we able to proceed in posting the application packet with these changes included?

Thanks,

**Hannah Hann**  
**Second Tier Admissions Technician**

**Program Information Report****Magnetic Resonance Imaging (MRI) (CPMRIP)****Post-Associate Certificate****Program Effective Term: Fall 2018**

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

**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.

WCC Radiography students who are currently enrolled in the final year of their program and expected to graduate in the Spring/Summer semester are given priority and may submit an incomplete program application during the application window. It is strongly recommended that WCC Radiography graduates schedule and sit for their ARRT Certification Examination within the two weeks following the completion of their program. Verification of all pending admission prerequisite requirements must be submitted within the deadline to be eligible to begin the program if accepted.

**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 12 students are accepted to the program for a Winter semester start. 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 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 course:
  - a. Cross-sectional anatomy course from a JRCERT accredited college or hospital-based radiography program or RAD 223. Minimum grade of B/3.0.
3. Graduate of one (1) of the accredited programs below:
  - JRCERT
  - JRCNMT
  - JRC-DMS
  - JRC-CVT
  - CAAHEP

-Expected to graduate from WCC's Radiography program in the Spring/Summer semester
4. Current American Registry of Radiologic Technologists (ARRT), American Registry for Diagnostic Medical Sonography (ARDMS) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
  - Radiography (R)
  - Sonography
  - Nuclear Medicine (N)
  - Radiation Therapy (T)

-Expected to graduate from WCC's Radiography program in the Spring/Summer semester
5. Minimum cumulative college GPA of 3.0.

**Program Information Report**

- 6. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to the program.
- 7. 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.
- 2. Students must complete any other health requirements as designated by the clinical sites.
- 3. All Magnetic Resonance Imaging (MRI) courses must be completed with a minimum grade of C/2.0.
- 4. Students will be required to attend a hospital orientation session prior to starting their clinical rotation.
- 5. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
- 6. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program.
- 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.

<b>Semester 1 (Fall)</b>		<b>(11 credits)</b>
MRI 101	MRI Safety	2
MRI 110	MRI Physics I	3
MRI 120	MRI Procedures I	3
MRI 125	MRI Clinical Education I	3
<b>Semester 2 (Winter)</b>		<b>(10 credits)</b>
MRI 130	MRI Physics II	3
MRI 135	MRI Quality Assurance	1
MRI 140	MRI Procedures II	3
MRI 145	MRI Clinical Education II	3
<b>Semester 3 (Spring/Summer)</b>		<b>(8 credits)</b>
MRI 160	MRI Advanced Imaging Procedures	3
MRI 162	MRI Pulsed Sequence, Imaging Options, and Parameters	2
MRI 165	MRI Clinical Education III	3
<b>Minimum Credits Required for the Program:</b>		<b>29</b>



PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: CPMRIP Program Name: Magnetic Resonance Imaging (MRI)  
 Division Code: Health Science Department: Allied Health Department

Effective Term: *Fall 2018*  
~~Spring/Summer 2017~~

PREPARED BY: *NK*  
 DATE: *11/28/17*

**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:**

- |  |   |
|--|---|
| <input type="checkbox"/> Review                          | <input type="checkbox"/> Program admission requirements   |
| <input type="checkbox"/> Remove course(s): _____         | <input checked="" type="checkbox"/> Continuing eligibility requirements   |
| <input type="checkbox"/> Add course(s): _____            | <input type="checkbox"/> Program outcomes   |
| <input type="checkbox"/> Program title (title was _____) | <input type="checkbox"/> Accreditation information  |
| <input type="checkbox"/> Description                     | <input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| <input type="checkbox"/> Type of award                   | <input type="checkbox"/> Other _____  |
| <input type="checkbox"/> Advisors                        |   |
| <input type="checkbox"/> Articulation information        |   |

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

Adding Continuing eligibility requirements:

- Students will be required to attend a hospital orientation session prior to starting their clinical rotation.
- Students will be required to purchase special uniforms and supplies throughout the duration of the program.
- Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program.
- Students must have reliable transportation to clinical education sites, which may require a commute of up to one hour.

**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>	10/31/2017
Department Chair	Connie Foster	<i>Connie Foster</i>	10/31/17
Division Dean/Administrator	Valerie Greaves	<i>Valerie Greaves</i>	11/2/17
Vice President for Instruction	Kimberly Hurns	<i>Kimberly Hurns</i>	11/28/17
President	Rose Bellanca		

Do not write in shaded area. Entered in: Banner *12/1/17* C&A Database *12/1/17* Log File \_\_\_\_\_ Board Approval *NK*

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

*logged 11/3/17 cel*

## Program Information Report

### Magnetic Resonance Imaging (MRI) (CPMRIP)

#### Post-Associate Certificate

**Program Effective Term: Fall 2017**

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

#### 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.

WCC Radiography students who are currently enrolled in the final year of their program and expected to graduate in the Spring/Summer semester are given priority and may submit an incomplete program application during the application window. It is strongly recommended that WCC Radiography graduates schedule and sit for their ARRT Certification Examination within the two weeks following the completion of their program. Verification of all pending admission prerequisite requirements must be submitted within the deadline to be eligible to begin the program if accepted.

#### Program Admission Requirements:

Washtenaw Community College uses a competitive admission process for high demand programs in health care. Each year, approximately 12 students are accepted to the program for a Winter semester start. 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 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 course:
  - a. Cross-sectional anatomy course from a JRCERT accredited college or hospital-based radiography program or RAD 223. Minimum grade of B/3.0.
  3. Graduate of one (1) of the accredited programs below:
    - JRCERT
    - JRCNMT
    - JRC-DMS
    - JRC-CVT
    - CAAHEP
    - Expected to graduate from WCC's Radiography program in the Spring/Summer semester
  4. Current American Registry of Radiologic Technologists (ARRT), American Registry for Diagnostic Medical Sonography (ARDMS) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
    - Radiography (R)
    - Sonography
    - Nuclear Medicine (N)
    - Radiation Therapy (T)
    - Expected to graduate from WCC's Radiography program in the Spring/Summer semester
5. Minimum cumulative college GPA of 3.0.
6. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to the program.
7. Criminal background check clearance (refer to the Information Release Authorization form in the admission packet).
8. Residency verification.

#### Continuing Eligibility Requirements:

Thursday, June 22, 2017 12:29:48 p.m.

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## Program Information Report

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 must complete any other health requirements as designated by the clinical sites.
3. All Magnetic Resonance Imaging (MRI) courses must be completed with a minimum grade of C/2.0.
4. Students who are dismissed from the program may not be eligible to reapply to the program.

<b>Semester 1 (Fall)</b>		<b>(11 credits)</b>
MRI 101	MRI Safety	2
MRI 110	MRI Physics I	3
MRI 120	MRI Procedures I	3
MRI 125	MRI Clinical Education I	3
<b>Semester 2 (Winter)</b>		<b>(10 credits)</b>
MRI 130	MRI Physics II	3
MRI 135	MRI Quality Assurance	1
MRI 140	MRI Procedures II	3
MRI 145	MRI Clinical Education II	3
<b>Semester 3 (Spring/Summer)</b>		<b>(8 credits)</b>
MRI 160	MRI Advanced Imaging Procedures	3
MRI 162	MRI Pulsed Sequence, Imaging Options, and Parameters	2
MRI 165	MRI Clinical Education III	3
<b>Minimum Credits Required for the Program:</b>		<b>29</b>

### Add the following Continuing Eligibility Requirements

- Students will be required to attend a hospital orientation session prior to starting their clinical rotation.
- Students will be required to purchase special uniforms and supplies throughout the duration of the program.
- Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program.
- Students must have reliable transportation to clinical education sites, which may require a commute of up to one hour.

**Program Information Report****Magnetic Resonance Imaging (MRI) (CPMRIP)****Post-Associate Certificate****Program Effective Term: Fall 2017**

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

**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.

WCC Radiography students who are currently enrolled in the final year of their program and expected to graduate in the Spring/Summer semester are given priority and may submit an incomplete program application during the application window. It is strongly recommended that WCC Radiography graduates schedule and sit for their ARRT Certification Examination within the two weeks following the completion of their program. Verification of all pending admission prerequisite requirements must be submitted within the deadline to be eligible to begin the program if accepted.

**Program Admission Requirements:**

Washtenaw Community College uses a competitive admission process for high demand programs in health care. Each year, approximately 12 students are accepted to the program for a Winter semester start. 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 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 course:
  - a. Cross-sectional anatomy course from a JRCERT accredited college or hospital-based radiography program or RAD 223. Minimum grade of B/3.0.
3. Graduate of one (1) of the accredited programs below:
  - JRCERT
  - JRCNMT
  - JRC-DMS
  - JRC-CVT
  - CAAHEP
  - Expected to graduate from WCC's Radiography program in the Spring/Summer semester
4. Current American Registry of Radiologic Technologists (ARRT), American Registry for Diagnostic Medical Sonography (ARDMS) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
  - Radiography (R)
  - Sonography
  - Nuclear Medicine (N)
  - Radiation Therapy (T)
  - Expected to graduate from WCC's Radiography program in the Spring/Summer semester
5. Minimum cumulative college GPA of 3.0.
6. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to the program.
7. Criminal background check clearance (refer to the Information Release Authorization form in the admission packet).
8. Residency verification.

**Continuing Eligibility Requirements:**

**Program Information Report**

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 must complete any other health requirements as designated by the clinical sites.
3. All Magnetic Resonance Imaging (MRI) courses must be completed with a minimum grade of C/2.0.
4. Students who are dismissed from the program may not be eligible to reapply to the program.

<b>Semester 1 (Fall)</b>		<b>(11 credits)</b>
MRI 101	MRI Safety	2
MRI 110	MRI Physics I	3
MRI 120	MRI Procedures I	3
MRI 125	MRI Clinical Education I	3
<b>Semester 2 (Winter)</b>		<b>(10 credits)</b>
MRI 130	MRI Physics II	3
MRI 135	MRI Quality Assurance	1
MRI 140	MRI Procedures II	3
MRI 145	MRI Clinical Education II	3
<b>Semester 3 (Spring/Summer)</b>		<b>(8 credits)</b>
MRI 160	MRI Advanced Imaging Procedures	3
MRI 162	MRI Pulsed Sequence, Imaging Options, and Parameters	2
MRI 165	MRI Clinical Education III	3
<b>Minimum Credits Required for the Program:</b>		<b>29</b>

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: CPMRIP

Program Name: Magnetic Resonance Imaging (MRI)

Effective Term: Fall 2017

Division Code: Health Department: Allied Health Department Sciences

**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:**

- |   |   |
|---|---|
| <input type="checkbox"/> Review   | <input checked="" type="checkbox"/> Program admission requirements  |
| <input checked="" type="checkbox"/> Remove course(s): <u>RAA 223 per CF</u> | <input type="checkbox"/> Continuing eligibility requirements  |
| <input type="checkbox"/> Add course(s): _____                               | <input type="checkbox"/> Program outcomes   |
| <input type="checkbox"/> Program title (title was _____)                    | <input type="checkbox"/> Accreditation information  |
| <input type="checkbox"/> Description  | <input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| <input type="checkbox"/> Type of award                                      | <input type="checkbox"/> Other _____  |
| <input type="checkbox"/> Advisors   |   |
| <input type="checkbox"/> Articulation information                           |   |

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

To facilitate the admission of students from hospital-based radiography programs.

**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	<i>Connie Foster</i>	11/8/16
Department Chair	Connie Foster	<i>Connie Foster</i>	11/8/16
Division Dean/Administrator	Valerie Greaves	<i>Valerie Greaves</i>	11/14/16
Vice President for Instruction	Bill Abernethy	<i>Bill Abernethy</i>	12/20/16
President	Rose Bellanca		

Do not write in shaded area. Entered in: Banner 1/6/17 MD C&A Database 1/6/17 MD Log File 1/6/17 MD Board Approval NA

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

Done 1/6/17 MD



# ACADEMICS

## Magnetic Resonance Imaging (MRI) (CPMRIP)

Post-Associate Certificate

2015 - 2016 2016 - 2017

### Description

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

### Admissions Requirements

Washtenaw Community College uses a competitive admission process for high demand programs in health care. Each year, approximately 12 students are accepted to the program for a Winter semester start. 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 Health Care website at [health.wccnet.edu](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: [www.wccnet.edu/trustees/policies/2005/](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: [www.wccnet.edu/studentconnection/admissions/health-second-program/](http://www.wccnet.edu/studentconnection/admissions/health-second-program/).

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite courses: *Cross-sectional anatomy course from a JRCERT accredited college or hospital-based*
  - a. ~~RAD 223 with a minimum grade of B/3.0.~~ *Radiography Program OR RAD 233. Minimum Grade B/3.0*
3. Graduate of one (1) of the accredited programs below:
  - JRCERT
  - JRCNMT
  - JRC-DMS
  - JRC-CVT
  - CAAHEP
  - Expected to graduate from WCC's Radiography program in the Spring/Summer semester
4. Current American Registry of Radiologic Technologists (ARRT), American Registry for Diagnostic Medical Sonography (ARDMS) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
  - Radiography (R)
  - Sonography
  - Nuclear Medicine (N)
  - Radiation Therapy (T)
  - Expected to graduate from WCC's Radiography program in the Spring/Summer semester
5. Minimum cumulative college GPA of 3.0.
6. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to the program.
7. Criminal background check clearance (refer to the Information Release Authorization form in the admission packet).
8. Residency verification.

### 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/](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.

WCC Radiography students who are currently enrolled in the final year of their program and expected to graduate in the Spring/Summer semester are given priority and may submit an incomplete program application during the application window. It is strongly recommended that WCC Radiography graduates schedule and sit for their ARRT Certification Examination within the two weeks following the completion of their program. Verification of all pending admission prerequisite requirements must be submitted within the deadline to be eligible to begin the program if accepted.

### 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.

2. Students must complete any other health requirements as designated by the clinical sites.
3. All Magnetic Resonance Imaging (MRI) courses must be completed with a minimum grade of C/2.0.
4. Students who are dismissed from the program may not be eligible to reapply to the program.

**RECEIVED**  
NOV 6 2016  
BY: *MJA*

**Contact Information**

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

**Requirements**

(Items marked in orange are available online.)

**Major/Area Requirements**

Class	Title	Credits
<a href="#">RAD 223</a>	Sectional Anatomy	2
<b>Total</b>		2

*Remove RAD 223*

*Remove*

**Semester 1 (Fall)**

Class	Title	Credits
<a href="#">MRI 101</a>	MRI Safety	2
<a href="#">MRI 110</a>	MRI Physics I	3
<a href="#">MRI 120</a>	MRI Procedures I	3
<a href="#">MRI 125</a>	MRI Clinical Education I	3
<b>Total</b>		11

**Semester 2 (Winter)**

Class	Title	Credits
<a href="#">MRI 130</a>	MRI Physics II	3
<a href="#">MRI 135</a>	MRI Quality Assurance	1
<a href="#">MRI 140</a>	MRI Procedures II	3
<a href="#">MRI 145</a>	MRI Clinical Education II	3
<b>Total</b>		10

**Semester 3 (Spring/Summer)**

Class	Title	Credits
<a href="#">MRI 160</a>	MRI Advanced Imaging Procedures	3
<a href="#">MRI 162</a>	MRI Pulsed Sequence, Imaging Options, and Parameters	2
<a href="#">MRI 165</a>	MRI Clinical Education III	3
<b>Total</b>		8

**Total Credits Required:** *31 29*

[Gainful Employment Disclosures](#)

## Garrett,Joy

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**From:** Foster, Connie  
**Sent:** Friday, November 18, 2016 9:16 PM  
**To:** Garrett,Joy  
**Subject:** RE: Clarification

Hi Joy,

For the CT and MRI program admission requirements the statement should be:

**Cross-sectional anatomy course from a JRCERT accredited college or hospital-based Radiography Program or RAD 223 at WCC. Minimum grade of B/3.0**

There still needs to be a minimum grade for the cross-sectional anatomy course admission requirement.

Thanks.  
Connie

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Radiography Program Director  
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Ann Arbor, MI 48105*

*Telephone: (734) 973-3418*

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**From:** Garrett,Joy  
**Sent:** Friday, November 18, 2016 2:01 PM  
**To:** Foster, Connie  
**Subject:** Clarification

Hi Connie:

**Program Information Report****Magnetic Resonance Imaging (MRI) (CPMRIP)****Post-Associate Certificate****Program Effective Term: Fall 2016**

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

**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.

WCC Radiography students who are currently enrolled in the final year of their program and expected to graduate in the Spring/Summer semester are given priority and may submit an incomplete program application during the application window. It is strongly recommended that WCC Radiography graduates schedule and sit for their ARRT Certification Examination within the two weeks following the completion of their program. Verification of all pending admission prerequisite requirements must be submitted within the deadline to be eligible to begin the program if accepted.

**Program Admission Requirements:**

Washtenaw Community College uses a competitive admission process for high demand programs in health care. Each year, approximately 12 students are accepted to the program for a Winter semester start. 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 Health Care website at <http://www.wccnet.edu/health>.

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 obtain 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. RAD 223 with a minimum grade of B/3.0.
3. Graduate of one (1) of the accredited programs below:
  - JRCERT
  - JRCNMT
  - JRC-DMS
  - JRC-CVT
  - CAAHEP-Expected to graduate from WCC's Radiography program in the Spring/Summer semester
4. Current American Registry of Radiologic Technologists (ARRT), American Registry for Diagnostic Medical Sonography (ARDMS) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
  - Radiography (R)
  - Sonography
  - Nuclear Medicine (N)
  - Radiation Therapy (T)-Expected to graduate from WCC's Radiography program in the Spring/Summer semester
5. Minimum cumulative college GPA of 3.0.
6. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to the program.
7. Criminal background check clearance (refer to the Information Release Authorization form in the admission packet).
8. 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

Program Information Report

result in dismissal from the program.

2. Students must complete any other health requirements as designated by the clinical sites.
3. All Magnetic Resonance Imaging (MRI) courses must be completed with a minimum grade of C/2.0.
4. Students who are dismissed from the program may not be eligible to reapply to the program.

Semester 1 (Fall)		(2 credits)
RAD 223	Sectional Anatomy	2
Semester 2 (Spring)		(4 credits)
MRI 101	MRI Safety	2
MRI 110	MRI Physics I	3
MRI 120	MRI Procedures I	3
MRI 125	MRI Clinical Education I	3
Semester 2 (Winter)		(10 credits)
MRI 130	MRI Physics II	3
MRI 135	MRI Quality Assurance	1
MRI 140	MRI Procedures II	3
MRI 145	MRI Clinical Education II	3
Semester 3 (Spring)		(6 credits)
MRI 160	MRI Advanced Imaging Procedures	3
MRI 162	MRI Pulsed Sequence, Imaging Options, and Parameters	2
MRI 165	MRI Clinical Education III	3
<b>Minimum Credits Required for the Program:</b>		<b>31</b>

**Program Information Report**

**Magnetic Resonance Imaging (MRI) (CPMRIP)**

**Post-Associate Certificate**

**Program Effective Term: Fall 2015**

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

**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>

<b>Major/Area Requirements</b>		<b>(2 credits)</b>
RAD 223	Sectional Anatomy	2
<b>First Semester</b>		<b>(11 credits)</b>
MRI 101	MRI Safety	2
MRI 110	MRI Physics I	3
MRI 120	MRI Procedures I	3
MRI 125	MRI Clinical Education I	3
<b>Second Semester</b>		<b>(10 credits)</b>
MRI 130	MRI Physics II	3
MRI 135	MRI Quality Assurance	1
MRI 140	MRI Procedures II	3
MRI 145	MRI Clinical Education II	3
<b>Third Semester</b>		<b>(8 credits)</b>
MRI 160	MRI Advanced Imaging Procedures	3
MRI 162	MRI Pulsed Sequence, Imaging Options, and Parameters	2
MRI 165	MRI Clinical Education III	3
<b>Minimum Credits Required for the Program:</b>		<b>31</b>

**Program Information Report**

CPMRI P

**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

**Magnetic Resonance Imaging (MRI) (CPMRIP)**

**Post-Associate Certificate**

**Program Effective Term: Fall 2015**

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

**Program Admission Requirements:**

- Registered radiologic technologist with primary certification in Radiography, Sonography, Nuclear Medicine or Radiation Therapy
- Graduate of a JRCERT accredited program
- Minimum GPA of 3.0
- Current CPR certification
- Completed college physical form by licensed physician
- Crime-free criminal background check
- Complete RAD 223 Sectional Anatomy or equivalent course with a grade of "B" or better

**Continuing Eligibility Requirements:**

Pass all first semester courses with a "C" or better.

First Semester		
RAD 223	Sectional Anatomy	2
Second Semester		
MRI 101	MRI Safety	2
MRI 110	MRI Physics I	3
MRI 120	MRI Procedures I	3
MRI 125	MRI Clinical Education I	3
Third Semester		
MRI 130	MRI Physics II	3
MRI 135	MRI Quality Assurance	1
MRI 140	MRI Procedures II	3
MRI 145	MRI Clinical Education II	3
Fourth Semester		
MRI 160	MRI Advanced Imaging Procedures	3
MRI 162	MRI Pulsed Sequence, Imaging Options, and Parameters	2
MRI 165	MRI Clinical Education III	3

**Minimum Credits Required for the Program: 31**



**PROGRAM PROPOSAL FORM**

- Preliminary Approval** – Check here when using this form for preliminary approval of a program proposal, and respond to the items in general terms.
- Final Approval** – Check here when completing this form after the Vice President for Instruction has given preliminary approval to a program proposal. For final approval, complete information must be provided for each item.

<b>Program Name:</b>	<u>CPMRI Magnetic Resonance Imaging</u>
<b>Division and Department:</b>	<u>Math, Science &amp; Health: Allied Health Dept.</u>
<b>Type of Award:</b>	<input type="checkbox"/> AA <input type="checkbox"/> AS <input type="checkbox"/> AAS <input type="checkbox"/> Cert. <input type="checkbox"/> Adv. Cert. <input checked="" type="checkbox"/> Post-Assoc. Cert. <input type="checkbox"/> Cert. of Comp.
<b>Effective Term/Year:</b>	<u>Fall 2015</u>
<b>Initiator:</b>	<u>Connie Foster</u>
<b>Program Features</b> Program's purpose and its goals.  Criteria for entry into the program, along with projected enrollment figures.  Connection to other WCC programs, as well as accrediting agencies or professional organizations.  Special features of the program.	<p>The purpose of the program is to offer a 12-month post-associate certificate program in Magnetic Resonance Imaging (MRI).</p> <p>Goals:</p> <ol style="list-style-type: none"> <li>1. Offer a series of didactic and clinical courses that will prepare students for the post-primary registry certification examination administered by the American Registry of Radiologic Technologists (ARRT).</li> <li>2. Prepare students entry-level positions in Magnetic Resonance Imaging (MRI).</li> </ol> <p>Criteria for Admission into the Magnetic Resonance Imaging (MRI) program:</p> <ul style="list-style-type: none"> <li>• Registered radiologic technologist with primary certification in Radiography, Sonography, Nuclear Medicine or Radiation Therapy</li> <li>• Graduate of a JRCERT accredited program</li> <li>• Minimum GPA of 3.0</li> <li>• Current CPR certification</li> <li>• Completed college physical form by licensed physician</li> <li>• Crime-free criminal background check</li> <li>• Complete RAD 223 Sectional Anatomy or equivalent course with a grade of B+ or better</li> </ul> <p>The projected enrollment is 12 students per year.</p> <p>The Magnetic Resonance Imaging (MRI) program will provide graduates of the Washtenaw Community College Radiography Program with an opportunity to obtain advanced certification in MRI.</p> <p>Registered radiological technologists who complete the MRI program will also satisfy the ARRT continuing education requirements for a 2-year period.</p>
<b>Need</b> Need for the program with evidence to support the stated need.	<p>The career outlook for MRI technicians is excellent, with demand increasing at a faster rate than average. The U.S. Bureau of Labor Statistics (BLS) predicted a 17% rise in job opportunities for MRI technicians and other radiologic technicians and technologists between 2008 and 2018 (<i>www.bls.gov</i>). As MRIs become cheaper, they will become a more common component of treatment for various medical conditions and will also be applied to a greater variety of conditions. A growing and aging population will also require an increasing use of this procedure.</p> <p>Hospitals, private physicians and diagnostic imaging centers employ most MRI technicians. The BLS reported the mean salary for medical technicians at \$54,180 in 2009 and estimated that the middle 50% of radiologic technologists earned between \$43,510 and \$64,070 per year.</p>

Office of Curriculum & Assessment  
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Program Outcomes/Assessment	Outcomes	Assessment method
<p>State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program.</p> <p>Include assessment methods that will be used to determine the effectiveness of the program.</p>	<p>1. Apply the theoretical and practical principles of magnetic resonance imaging (MRI) by passing the ARRT post-primary certification exam within 1-year of graduation.</p> <p>2. Demonstrate clinical competency in all mandatory and elective magnetic resonance imaging (MRI) procedures as required by the ARRT.</p>	<p>1. ARRT exam (national certification exam)</p> <p>2. ARRT audit for Magnetic Resonance Imaging (MRI) certification exam</p>

Curriculum	Fall Semester: 4
<p>List the courses in the program as they should appear in the catalog. List minimum credits required. Include any notes that should appear below the course list.</p>	<p>MRI 101 Safety (30 contact hrs/2 credits)</p> <p>MRI 110 Physics I (45 contact hrs/3 credits)</p> <p>MRI 120 Procedures I (45 contact hrs/3 credits)</p> <p>MRI 125 Clinical Education I (24 hrs/week x 15 weeks = 360 clinical hrs/4 credits)</p> <p>Winter Semester: 10</p> <p>MRI 130 Physics II (45 contact hours/3 credits)</p> <p>MRI 135 Quality Assurance (15 contact hrs/1 credits)</p> <p>MRI 140 Procedures II (45 contact hours/3 credits)</p> <p>MRI 145 Clinical Education II (24 hrs/week x 15 weeks = 360 clinical hrs/3 credits)</p> <p>Spring/Summer: 8</p> <p>MRI 160 Advanced Imaging Procedures (45 contract hours/3 credits)</p> <p>MRI 162 Pulsed Sequence, Imaging Options, &amp; Parameters (30 contact hrs/2 credits)</p> <p>MRI 165 Clinical Education III (32 hrs/week x 12 weeks = 384 clinical hrs/3 credits)</p> <p>Major Area Requirements: 2</p> <p>RAD 223 Sectional Anatomy (30 contact hrs/2 credits) <i>3 credits</i></p>

Budget		
<p>Specify program costs in the following areas, per academic year:</p>	START-UP COSTS	ONGOING COSTS
Faculty	\$ .	5000.00 <sup>?</sup>
Training/Travel	.	.
Materials/Resources	.	.
Facilities/Equipment	.	.
Other (Program Coordinator)	.	.
<b>TOTALS:</b>	<b>\$ 0 .</b>	<b>\$ 0 5000.00</b>
<p>Part time faculty will be used to teach the didactic courses (teaching rate: \$54.87/hr) and clinical courses (non-teaching rate \$33.56/hr).  A registered Magnetic Resonance Imaging (MRI) technologist will be paid 3-hr/week (non-teaching rate \$33.56/hr) to serve as the program coordinator. <sup>o</sup></p>		

Program Description for Catalog and Web site	
	<p>The Magnetic Resonance Imaging (MRI) Program is a post-associate advanced certificate program that is designed for registered radiologic technologists (ARRT), radiation therapists (ARRT), Sonographers (ARRT or ARDMS), and nuclear medicine technologists (ARRT or NMTCB). This program offers the didactic and clinical experience that will provide students with the knowledge, skills, and attitudes that are required to become an entry-level magnetic resonance imaging technologist. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) magnetic resonance imaging guidelines. Upon successful completion of the MRI program, students are eligible to take the ARRT post-primary certification examination in magnetic resonance imaging.</p>

<b>Program Information</b>	<b>Accreditation/Licensure</b> – No Accreditation is required at this time. <b>Advisors</b> – Connie Foster <b>Advisory Committee</b> - TBA <b>Admission requirements</b> - See Program Features: Criteria for entry into the program <b>Articulation agreements</b> - None <b>Continuing eligibility requirements</b> - Pass all first semester courses with a C or better
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**Assessment plan:**

Program outcomes to be assessed	Assessment tool	When assessment will take place	Courses/other populations	Number students to be assessed
Apply the theoretical and practical principles of magnetic resonance imaging (MRI) by passing the ARRT post-primary certification exam within 1-year of graduation.	ARRT exam	After graduation	All graduates	All program students
Demonstrate clinical competency in all mandatory and elective magnetic resonance imaging (MRI) procedures as required by the ARRT.	ARRT application	At completion of program	All program students	All program students

**Scoring and analysis plan:**

- Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.  
  
Pass rate from the ARRT will be evaluated. The clinical audit for the MRI application will be used.
- Indicate the standard of success to be used for this assessment.  
  
90% of graduates will pass the ARRT magnetic resonance imaging exam within 1-year of graduation.  
100% of the students will complete all mandatory and elective MRI procedures.
- Indicate who will score and analyze the data. Department Faculty
- Explain how and when the assessment results will be used for program improvement. The assessment results will be reviewed by the faculty and clinical instructors to revise and update the MRI curriculum.

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Connie Foster	<i>Connie Foster</i>	11/17/14
Dean	Kris Brandemuehl	<i>Kris Brandemuehl</i>	11/17/14
Vice President for Instruction <input type="checkbox"/> Approved for Development <input checked="" type="checkbox"/> Final Approval	William Abernethy	<i>William Abernethy</i>	01/05/15
President	Rose Bellanca	<i>RB Bellanca</i>	2/23/15
Board Approval			3/24/15