

**Program Information Report**

**Mammography (CPMAM)**

**Post-Associate Certificate**

**Program Effective Term: Fall 2016**

**High Demand Occupation High Skill Occupation High Wage Occupation**

The Mammography program is a post-associate advanced certificate that is designed for ARRT registered radiologic technologists. This program prepares students to perform screening and diagnostic mammography procedures using dedicated mammography equipment. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) mammography guidelines and includes both didactic and clinical education. Upon successful completion of the Mammography program, students are eligible to take the ARRT post-primary certification examination in mammography. In an effort to accommodate working radiologic technologists, this program will be offered in a blended-format.

**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 <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 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. Graduate of a Joint Review Committee on Education in Radiologic Technology (JRCERT) accredited program.
3. Current American Registry of Radiologic Technologists (ARRT) registration card showing primary certification in radiography.
4. Minimum cumulative college GPA of 2.7.
5. 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 this program.
6. Criminal background check clearance (refer to the Information Release Authorization form in the admission packet).
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 Mammography (RAD) 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 2 (Fall)		9 credits
RAD 270	Principles of Mammography	3
RAD 271	Mammography Quality Control (QC)	3
RAD 273	Mammography Clinical Education	3

**Minimum Credits Required for the Program: 9**

**Program Information Report**

**Mammography (CPMAM)**

**Post-Associate Certificate**

**Program Effective Term: Fall 2014**

**High Demand Occupation High Skill Occupation High Wage Occupation**

The Mammography program is a post-associate advanced certificate that is designed for ARRT registered radiologic technologists. This program prepares students to perform screening and diagnostic mammography procedures using dedicated mammography equipment. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) mammography guidelines and includes both didactic and clinical education. Upon successful completion of the Mammography program, students are eligible to take the ARRT post-primary certification examination in mammography. In an effort to accommodate working radiologic technologists, this program will be offered in a blended-format.

**Program Admission Requirements:**

The criteria for admission to the Mammography program:

- Current ARRT certified radiologic technologist
- Graduate of a JRCERT accredited Radiography program
- Overall GPA of 2.7
- Current CPR certification
- Crime-free criminal background check

Students may download the application packet on the Health Care home page: <http://www4.wccnet.edu/departments/health/>

<b>Major/Area Requirements</b>		<b>(9 credits)</b>
RAD 270	Principles of Mammography	3
RAD 271	Mammography Quality Control (QC)	3
RAD 273	Mammography Clinical Education	3

**Minimum Credits Required for the Program: 9**

**PROGRAM CHANGE OR DISCONTINUATION FORM**

**Program Code:** CPMAM **Program Name:** Post-Associate Certification Mammography **Effective Term:** F2014

**Division Code:** MSH **Department:** Allied Health Department (Radiography)

**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 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  |
| 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 checked="" type="checkbox"/> Other credit hours _____  |
| <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:**

RAD 273 Mammography Clinical Education 2 credits 240 contact hours change to 3 credits 360 contact hours. More clinical time is needed for students to complete the required competencies.

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

NA

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

Radiography department and mammography clinical affiliates.

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster	<i>Connie Foster</i>	2/3/14
Department Chair	Connie Foster	<i>Connie Foster</i>	2/3/14
Division Dean/Administrator	Marty Showalter	<i>M. Showalter</i>	2/15/14
Vice President for Instruction	Bill Abernethy	<i>Bill Abernethy</i>	2/24/14
President		<i>[Signature]</i>	3/27/14

Do not write in shaded area. Entered in: Banner \_\_\_\_\_ C&A Database \_\_\_\_\_ Log File ~~\_\_\_\_\_~~ Board Approval \_\_\_\_\_

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

*fn*  
logged 2/12/14 sj  
Office of Curriculum & Assessment

# Mammography (CPMAM)

## Post-Associate Certificate

- 
- 2012 - 2013
- 2013 - 2014

## Description

The Mammography program is a post-associate advanced certificate that is designed for ARRT registered radiologic technologists. This program prepares students to perform screening and diagnostic mammography procedures using dedicated mammography equipment. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) mammography guidelines and includes both didactic and clinical education. Upon successful completion of the Mammography program, students are eligible to take the ARRT post-primary certification examination in mammography. In an effort to accommodate working radiologic technologists, this program will be offered in a blended-format.

## Admissions Requirements

The criteria for admission to the Mammography program:

- Current ARRT certified radiologic technologist
- Graduate of a JRCERT accredited Radiography program
- Overall GPA of 2.7
- Current CPR certification
- Crime-free criminal background check

Students may download the application packet on the Health Care home page:  
[www4.wccnet.edu/departments/health/](http://www4.wccnet.edu/departments/health/)

## Contact Information

Division

Math, Science & Health

Department

Allied Health Department

Advisors

Connie Foster, William Nelson

## Requirements

### Major/Area Requirements

Class	Title	Credits
<u>RAD 270</u>	Principles of Mammography	3
<u>RAD 271</u>	Mammography Quality Control (QC)	3
<u>RAD 273</u>	Mammography Clinical Education	2-3
Total		8
Total Credits Required		8-9

**PROGRAM CHANGE OR DISCONTINUATION FORM**

**Program Code:** CPMAM      **Program Name:** Mammography Post-Associate Certificate      **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:**

<input type="checkbox"/> Review	<input type="checkbox"/> Program admission requirements
<input type="checkbox"/> Remove course(s): _____	<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 checked="" type="checkbox"/> Other see rationale for proposed changes
<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:**

RAD 270 Principles of Mammography change from 2 credits (30 lectures hours) to 3 credits (45 lecture hours); added content on mammographic positioning protocols.

RAD 271 Mammography Procedures and QA change from 2 credits (30 lecture hours) to 3 credits (45 lecture hours); changed name to Mammography QA; removed mammographic positioning protocols; expanded course content on QA.

RAD 273 Mammography Clinical Education 2 credits (7.5 week, 24 hr/week clinical & 10 hr hospital orientation; total 190 hours) change to 10 week 24 hr/week clinical; total 240 clinical hours

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

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

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Connie Foster	<i>Connie Foster</i>	12/6/12
Department Chair	Connie Foster	<i>Connie Foster</i>	12/6/12
Division Dean/Administrator	Marty Showalter	<i>Martha Showalter</i>	12/10/12
Vice President for Instruction	Stuart Blacklaw	<i>S Blacklaw</i>	1/30/13
President	Rose Bellanca		

Do not write in shaded area. Entered in Banner C&A Database 3/7/13 Log File 3/7/13 Board Approval

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

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**Program Information Report**

**Mammography (CPMAM)**

**Post-Associate Certificate**

**Program Effective Term: Fall 2013**

The Mammography program is a post-associate advanced certificate that is designed for ARRT registered radiologic technologists. This program prepares students to perform screening and diagnostic mammography procedures using dedicated mammography equipment. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) mammography guidelines and includes both didactic and clinical education. Upon successful completion of the Mammography program, students are eligible to take the ARRT post-primary certification examination in mammography. In an effort to accommodate working radiologic technologists, this program will be offered in a blended-format.

<b>Major/Area Requirements</b>		<b>(8credits)</b>
RAD 270	Principles of Mammography	3
RAD 271	Mammography Quality Control (QC)	3
RAD 273	Mammography Clinical Education	2

**Minimum Credits Required for the Program: 8**

# Mammography (CPMAM)

Post-Associate Certificate

- -
- -
- 2012 - 2013

## Description

The Mammography program is a post-associate advanced certificate that is designed for ARRT registered radiologic technologists. This program prepares students to perform screening and diagnostic mammography procedures using dedicated mammography equipment. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) mammography guidelines and includes both didactic and clinical education. Upon successful completion of the Mammography program, students are eligible to take the ARRT post-primary certification examination in mammography. In an effort to accommodate working radiologic technologists, this program will be offered in a blended-format.

## Admissions Requirements

The criteria for admission to the Mammography program:

- Current ARRT certified radiologic technologist
- Graduate of a JRCERT accredited Radiography program
- Overall GPA of 2.7
- Current CPR certification
- Crime-free criminal background check

## Contact Information

Division: Math, Science & Health

Department: Allied Health Department

Advisors: Connie Foster, William Nelson

## Requirements

Major/Area Requirements

Class	Title	Credits
<u>RAD 270</u>	Principles of Mammography	2 3
<u>RAD 271</u>	Mammography Procedures and <sup>Quality Control (QC)</sup> <del>Mammography QA</del>	2 3
<u>RAD 273</u>	Mammography Clinical Education	2
	Total	6 8

Total Credits Required: 6 8

**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.

**Mammography (CPMAM)**

**Post-Associate Certificate**

**Program Effective Term: Fall 2012**

The Mammography program is a post-associate advanced certificate that is designed for ARRT registered radiologic technologists. This program prepares students to perform screening and diagnostic mammography procedures using dedicated mammography equipment. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) mammography guidelines and includes both didactic and clinical education. Upon successful completion of the Mammography program, students are eligible to take the ARRT post-primary certification examination in mammography. In an effort to accommodate working radiologic technologists, this program will be offered in a blended-format.

**Program Admission Requirements:**

- The criteria for admission to the Mammography program:
- Current ARRT certified radiologic technologist
- Graduate of a JRCERT accredited Radiography program
- Overall GPA of 2.7
- Current CPR certification
- Crime-free criminal background check

**Program Course Requirements**

RAD 270	Principles of Mammography	2
RAD 271	Mammography Procedures and QA	2
RAD 273	Mammography Clinical Education	2

**Minimum Credits Required for the Program: 6**



**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.

<p><b>Program Name:</b></p> <p><b>Division and Department:</b></p> <p><b>Type of Award:</b></p> <p><b>Effective Term/Year:</b></p> <p><b>Initiator:</b></p>	<p><u>Mammography Advanced Certificate Program</u></p> <p><u>Math, Science &amp; Health Division; Allied Health Department (Radiography)</u></p> <p> <input type="checkbox"/> AA   <input type="checkbox"/> AS   <input type="checkbox"/> AAS  <input type="checkbox"/> Cert.   <input type="checkbox"/> Adv. Cert.   <input type="checkbox"/> Post-Assoc. Cert.   <input checked="" type="checkbox"/> Cert. of Comp.         </p> <p><u>Fall 2012</u></p> <p><u>Connie Foster</u></p>	<p><b>Program Code:</b></p> <p><u>CCMAM</u></p> <p><b>CIP Code:</b></p> <p><u>51.0919</u></p>
<p><b>Program Features</b> Program's purpose and its goals.</p> <p>Criteria for entry into the program, along with projected enrollment figures.</p> <p>Connection to other WCC programs, as well as accrediting agencies or professional organizations.</p> <p>Special features of the program.</p>	<p>The purpose of the Mammography program is to prepare students for the American Registry of Radiologic Technologists' (ARRT) post-primary registry certification examination in mammography, as well as for entry-level mammography employment. Due to limited space, this program will require a second admission to the program.</p> <p>The criteria for admission in the Mammography program:</p> <ul style="list-style-type: none"> <li>• Current ARRT certified radiologic technologist</li> <li>• Graduate of a JRCERT accredited Radiography Program</li> <li>• Have an overall 2.7 G.P.A.</li> <li>• Current CPR certification</li> <li>• Completed college physical form by licensed physician</li> <li>• Crime-free criminal background check</li> </ul> <p>The projected enrollment is 12 students.</p> <p>The Mammography program will provide graduates of the Washtenaw Community College Radiography Program with an opportunity to obtain advanced certification in Mammography. It will also assist ARRT certified radiologic technologists in preparation for advanced Certification in Mammography.</p> <p>This is an advanced specialized field for imaging professionals. Registered radiologic technologists who complete the mammography program will also satisfy the ARRT continuing education requirements for a 2-year period.</p>	

*fd logged 1/30/12 sjt  
done 4/12/12  
Office of Curriculum & Assessment*

<p><b>Need</b></p> <p>Need for the program with evidence to support the stated need.</p>	<p>The State of Michigan requires that each individual other than a physician, who operates a mammographic x-ray unit, must successfully complete a formal mammography training program. Also under federal law, known as the Mammography Quality Standards Act (MQSA) mammographers must meet stringent educational and clinical skills criteria to perform mammographic procedures.</p> <p>The courses will be taught by a certified mammographer in the OE 121 radiography lab during the evening and/or weekends. Only a few ancillary items will need to be purchased for this program, i.e. breast anatomical model, QA testing devices, instructional software, which is estimated to cost less than \$1,000.00. No dedicated mammographic x-ray unit will need to be purchased for the mammography program.</p>	
<p><b>Program Outcomes/Assessment</b></p> <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><u>Outcomes</u></p> <ol style="list-style-type: none"> <li>1. Demonstrate competency in the principles of mammography comparable to graduates of other similar national programs.</li> <li>2. Students admitted to the Mammography Program will complete the program.</li> <li>3. Students will express satisfaction with the Mammography Program.</li> </ol>	<p><u>Assessment method</u></p> <ol style="list-style-type: none"> <li>1. American Registry of Radiologic Technologists (ARRT) Mammography Certification Examination</li> <li>2. Graduation rates</li> <li>3. Graduate Survey</li> </ol>

<p><b>Curriculum</b></p> <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>The proposed program courses include:</p> <p>RAD 270 Principles of Mammography (2 credits; 30 contact hours) limited 12 students</p> <p>RAD 271 Mammography Procedures (2 credits; 30 contact hours): limited 12 students</p> <p>RAD 273 Mammography Clinical Education (2 credits: 180 clinical hours; 10 hours hospital orientation /instructor review sessions): limited 12 students</p> <p>In an effort to accommodate working radiologic technologists, classroom instruction will be offered in a blended-format in the radiography lab in OE 121. Clinical education will be conducted at local hospitals and a number of affiliated health care facilities.</p>																							
<p><b>Budget</b></p> <p>Specify program costs in the following areas, per academic year:</p>	<table border="1"> <thead> <tr> <th></th> <th>START-UP COSTS</th> <th>ONGOING COSTS</th> </tr> </thead> <tbody> <tr> <td>Faculty</td> <td></td> <td>\$ .</td> </tr> <tr> <td>Training/Travel</td> <td></td> <td>.</td> </tr> <tr> <td>Materials/Resources</td> <td></td> <td>.</td> </tr> <tr> <td>Facilities/Equipment</td> <td></td> <td>1,000.00</td> </tr> <tr> <td>Other</td> <td></td> <td>.</td> </tr> <tr> <td><b>TOTALS</b></td> <td></td> <td><b>\$ 1,000.00</b></td> </tr> </tbody> </table>		START-UP COSTS	ONGOING COSTS	Faculty		\$ .	Training/Travel		.	Materials/Resources		.	Facilities/Equipment		1,000.00	Other		.	<b>TOTALS</b>		<b>\$ 1,000.00</b>	<p style="text-align: center;"><i>Certificate of Completion</i></p> <p style="text-align: center;">↓</p>	
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Facilities/Equipment		1,000.00																						
Other		.																						
<b>TOTALS</b>		<b>\$ 1,000.00</b>																						
<p><b>Program Description for Catalog and Web site</b></p>	<p>The mammography program is a post-associate advanced certificate program that is designed for ARRT registered radiologic technologists. This program prepares students to perform screening and diagnostic mammography procedures using dedicated mammography equipment. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) mammography guidelines and includes both didactic and clinical education. Upon successful completion of the mammography program, students are eligible to take the ARRT post-primary certification examination in mammography. In an effort to accommodate working radiologic technologists, this program will be offered in a blended-format.</p>																							

<b>Program Information</b>	Accreditation/Licensure – The program will be accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT)  Advisors – Connie Foster and William Nelson  Advisory Committee – Radiography Program Advisory Committee  Admission requirements – Formal admission to the Mammography Program  Articulation agreements – No articulation agreements.  Continuing eligibility requirements -
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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
Students completing the Mammography Program will demonstrate competency in the principles of mammography comparable to graduates of other similar national programs.	American Registry of Radiologic Technologists (ARRT) Mammography Certification Examination	Within 6 months of graduation	Program graduates	12 students
Students admitted to the Mammography Program will complete the program	Graduation rates	Within 6 months of graduation	Program graduates	12 students
Students will express satisfaction with the Mammography Program.	Graduate Survey	Within 6 months of graduation	Program graduates	12 students

**Scoring and analysis plan:**

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.
  1. ARRT examination is a standardized national exam.
  2. Graduate rates will be reviewed to determine student retention
  3. A graduate survey will be administered to all students at the end of the program and will be blind-scored via Blackboard
  
2. Indicate the standard of success to be used for this assessment.
  1. ARRT examination: Students will equal or exceed the national average on the ARRT Mammography Certification Examination.
  2. 90% of the students admitted to the program will complete the program.
  3. Graduates will express satisfaction with the didactic and clinical courses.
  
3. Indicate who will score and analyze the data.
 

WCC full-time and part-time faculty will score and analyze the data.

4. Explain how and when the assessment results will be used for program improvement.

The radiography program faculty members and the part-time mammography instructor will meet to review and discuss the assessment results after the completion of the Fall mammography courses. The assessment results will be used to revise the mammography courses that will be offered during the next Fall term.

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Connie Foster	<i>Connie Foster</i>	1/26/12
Dean	Martha Showalter	<i>Martha Showalter</i>	1/26/12
Vice President for Instruction <input type="checkbox"/> Approved for Development <input type="checkbox"/> Final Approval	Stuart Blacklaw	<i>Stuart Blacklaw</i>	3/23/12
President	Rose Bellanca	<i>Rose Bellanca</i>	3/23/12
Board Approval			4/24/12

**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.

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.

**Mammography (CCMAM)**

**Certificate of Completion**

**Program Effective Term: Fall 2012**

The Mammography program is a certificate of completion advanced program that is designed for ARRT registered radiologic technologists. This program prepares students to perform screening and diagnostic mammography procedures using dedicated mammography equipment. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) mammography guidelines and includes both didactic and clinical education. Upon successful completion of the Mammography program, students are eligible to take the ARRT post-primary certification examination in mammography. In an effort to accommodate working radiologic technologists, this program will be offered in a blended-format.

**Program Admission Requirements:**

The criteria for admission to the Mammography program:

- Current ARRT certified radiologic technologist
- Graduate of a JRCERT accredited Radiography program
- Overall GPA of 2.7
- Current CPR certification
- Crime-free criminal background check

RAD 270	Principles of Mammography	2
RAD 271	Mammography Procedures and QA	2
RAD 273	Mammography Clinical Education	2

**Minimum Credits Required for the Program: 6**

**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.

<p><b>Program Name:</b></p> <p><b>Division and Department:</b></p> <p><b>Type of Award:</b></p> <p><b>Effective Term/Year:</b></p> <p><b>Initiator:</b></p>	<p>Mammography Certificate Program</p> <hr/> <p>Math, Science &amp; Health Division; Allied Health Department (Radiography)</p> <hr/> <p> <input type="checkbox"/> AA    <input type="checkbox"/> AS    <input type="checkbox"/> AAS  <input type="checkbox"/> Cert.    <input type="checkbox"/> Adv. Cert.    <input type="checkbox"/> Post-Assoc. Cert.    <input checked="" type="checkbox"/> Cert. of Comp.         </p> <p>Fall 2012</p> <hr/> <p>Connie Foster</p> <hr/>	<p><b>Program Code:</b></p> <p><b>CIP Code:</b></p>
<p><b>Program Features</b> Program's purpose and its goals.</p> <p>Criteria for entry into the program, along with projected enrollment figures.</p> <p>Connection to other WCC programs, as well as accrediting agencies or professional organizations.</p> <p>Special features of the program.</p>	<p>The purpose of the Mammography program is to prepare students for the American Registry of Radiologic Technologists' (ARRT) post-primary registry certification examination in mammography, as well as for entry-level mammography employment.</p> <p>The criteria for admission in the Mammography program:</p> <ul style="list-style-type: none"> <li>• Current ARRT certified radiologic technologist</li> <li>• Graduate of a JRCERT accredited Radiography Program</li> <li>• Have an overall 2.7 G.P.A.</li> <li>• Current CPR certification</li> <li>• Completed college physical form by licensed physician</li> <li>• Crime-free criminal background check</li> </ul> <p>The projected enrollment is 12 students.</p> <p>The Mammography program will provide graduates of the Washtenaw Community College Radiography Program with an opportunity to obtain advanced certification in Mammography. It will also assist ARRT certified radiologic technologists in preparation for advanced Certification in Mammography.</p> <p>This is an advanced specialize field for imaging professionals. Registered radiologic technologists who complete the mammography program will also satisfy the ARRT continuing education requirements for a 2-year period.</p>	
<p><b>Need</b> Need for the program with evidence to support the stated need.</p>	<p>The State of Michigan requires that each individual other than a physician, who operates a mammographic x-ray unit, must successfully complete a formal mammography training program. Also under federal law, known as the Mammography Quality Standards Act (MQSA) mammographers must meet stringent educational and clinical skills criteria to perform mammographic procedures.</p> <p>A part-time faculty person will teach this program. The courses will be taught in the radiography lab in OE 121 in the evening. Only a few ancillary items will need to be purchased for this program, i.e. breast anatomical model, QA testing devices, instructional software, which is estimated to cost less than \$1,000.00. No dedicated mammographic x-ray unit will need to be purchased for the mammography program.</p>	

**Program Code:**  
C  
CPMAM

*logged 11/10/11 sjv  
Office of Curriculum & Assessment*

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>	<ol style="list-style-type: none"> <li>1. Operate mammography equipment and ancillary devices.</li> <li>2. Prepare and position patients for breast imaging procedures.</li> <li>3. Process images using conventional film/screen systems and digital imaging systems.</li> <li>4. Perform Quality Assurance (QA) testing according to the Mammography Quality Standards Act (MQSA) and the American College of Radiology (ACR).</li> <li>5. Demonstrate professional conduct and attitudes.</li> </ol>	<ol style="list-style-type: none"> <li>1.</li> </ol>

Please return completed form to the Office of Curriculum & Assessment and email an electronic copy to [sjohn@wccnet.edu](mailto:sjohn@wccnet.edu) for posting on the website.

<p><b>Curriculum</b></p> <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>The proposed program courses include:</p> <p>RAD 270 Principles of Mammography (2 credits; 30 contact hours) limited 12 students</p> <p>RAD 271 Mammography Procedures (2 credits; 30 contact hours): limited 12 students</p> <p>RAD 275 Mammography Clinical Education (2 credits; 180 clinical hours; 8 lecture hours): limited 12 students</p> <p>In an effort to accommodate working radiologic technologists, classroom instruction will be offered in a blended-format in the radiography lab in OE 121. Clinical education will be conducted at local hospitals and a number of affiliated health care facilities.</p>		
<p><b>Budget</b></p> <p>Specify program costs in the following areas, per academic year:</p>		<p><b>START-UP COSTS</b></p>	<p><b>ONGOING COSTS</b></p>
	<p><b>Faculty</b></p>	<p>\$ .</p>	<p>\$ .</p>
	<p><b>Training/Travel</b></p>	<p>.</p>	<p>.</p>
	<p><b>Materials/Resources</b></p>	<p>1000 . —</p>	<p>.</p>
	<p><b>Facilities/Equipment</b></p>	<p>.</p>	<p>.</p>
	<p><b>Other</b></p>	<p>.</p>	<p>.</p>
	<p><b>TOTALS:</b></p>	<p>\$ 1000. —</p>	<p>\$ .</p>
<p><b>Program Description for Catalog and Web site</b></p>	<p>The mammography program is a post-associate advanced certificate program that is design for ARRT registered radiologic technologists. This program prepares students to perform screening and diagnostic mammography procedures using dedicated mammography equipment. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) mammography guidelines and includes both didactic and clinical education. Upon successful completion of the mammography program, students are eligible to take the ARRT post-primary certification examination in mammography. In an effort to accommodate working radiologic technologist, this program will be offered in a blended-format.</p>		





4. Explain how and when the assessment results will be used for program improvement.

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Cornie FOSTER	Cornie Foster	10/10/11
Dean	Martha Showalter →	Martha Showalter	Nov 10, 2011
Vice President for Instruction <input checked="" type="checkbox"/> Approved for Development <input type="checkbox"/> Final Approval		Stuart Blacklaw	11/14/11
President			
Board Approval			