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

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.

Program Name:	Mammography Advanced Certificate Program	**Program Code:**
Division and Department:	Math, Science & Health Division; Allied Health Department (Radiography)	CCMAM
Type of Award:	☐ AA ☐ AS ☐ AAS ☐ Cert. ☐ Adv. Cert. ☐ Post-Assoc. Cert. ☒ Cert. of Comp.	
Effective Term/Year:	Fall 2012	**CIP Code:**
Initiator:	Connie Foster	51.0919

Program Features 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.	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. The criteria for admission in the Mammography program: • Current ARRT certified radiologic technologist • Graduate of a JRCERT accredited Radiography Program • Have an overall 2.7 G.P.A. • Current CPR certification • Completed college physical form by licensed physician • Crime-free criminal background check The projected enrollment is 12 students. 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. 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.

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Office of Curriculum & Assessment
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Need	
Need for the program with evidence to support the stated need.	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. 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.

Program Outcomes/Assessment	Outcomes	Assessment method
State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program. Include assessment methods that will be used to determine the effectiveness of the program.	1. Demonstrate competency in the principles of mammography comparable to graduates of other similar national programs. 2. Students admitted to the Mammography Program will complete the program. 3. Students will express satisfaction with the Mammography Program.	1. American Registry of Radiologic Technologists (ARRT) Mammography Certification Examination 2. Graduation rates 3. Graduate Survey

Curriculum	
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.	The proposed program courses include: RAD 270 Principles of Mammography (2 credits; 30 contact hours) limited 12 students RAD 271 Mammography Procedures (2 credits; 30 contact hours): limited 12 students RAD 273 Mammography Clinical Education (2 credits: 180 clinical hours; 10 hours hospital orientation /instructor review sessions): limited 12 students 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.

Budget		START-UP COSTS	ONGOING COSTS
Specify program costs in the following areas, per academic year:	Faculty	*Certificate of Completion*	$.
	Training/Travel		.
	Materials/Resources		.
	Facilities/Equipment		1,000.00
	Other		.
	TOTALS		**$ 1,000.00**

Program Description for Catalog and Web site	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.

Program Information	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 -

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	_Connie Fost_	1/26/12
Dean	Martha Showalter	_Martha Showalt_	1/26/12
Vice President for Instruction ☐ Approved for Development ☐ Final Approval	Stuart Blacklaw	_Stuart Blacklaw_	3/23/12
President	Rose Bellanca	_Rose B Bellanca_	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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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
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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

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Program Name:	Mammography Certificate Program	**Program Code:** CPMAM
Division and Department:	Math, Science & Health Division; Allied Health Department (Radiography)	
Type of Award:	☐ AA ☐ AS ☐ AAS ☐ Cert. ☐ Adv. Cert. ☐ Post-Assoc. Cert. ☒ Cert. of Comp.	
Effective Term/Year:	Fall 2012	**CIP Code:**
Initiator:	Connie Foster	

Program Features	
Program's purpose and its goals.	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.
Criteria for entry into the program, along with projected enrollment figures.	The criteria for admission in the Mammography program: • Current ARRT certified radiologic technologist • Graduate of a JRCERT accredited Radiography Program • Have an overall 2.7 G.P.A. • Current CPR certification • Completed college physical form by licensed physician • Crime-free criminal background check The projected enrollment is 12 students.
Connection to other WCC programs, as well as accrediting agencies or professional organizations.	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.
Special features of the program.	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.
Need	
Need for the program with evidence to support the stated need.	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. 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.

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Office of Curriculum & Assessment

Program Outcomes/Assessment	Outcomes	Assessment method
State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program. Include assessment methods that will be used to determine the effectiveness of the program.	1. Operate mammography equipment and ancillary devices. 2. Prepare and position patients for breast imaging procedures. 3. Process images using conventional film/screen systems and digital imaging systems. 4. Perform Quality Assurance (QA) testing according to the Mammography Quality Standards Act (MQSA) and the American College of Radiology (ACR). 5. Demonstrate professional conduct and attitudes.	1.

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

<table>
<tr><td>Curriculum

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.</td><td colspan="3">The proposed program courses include:

RAD 270 Principles of Mammography (2 credits; 30 contact hours) limited 12 students

RAD 271 Mammography Procedures (2 credits; 30 contact hours): limited 12 students

RAD 275 Mammography Clinical Education (2 credits: 180 clinical hours; 8 lecture hours): limited 12 students

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.</td></tr>
<tr><td rowspan="7">Budget

Specify program costs in the following areas, per academic year:</td><td></td><td>START-UP COSTS</td><td>ONGOING COSTS</td></tr>
<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>1000 . —</td><td>.</td></tr>
<tr><td>Facilities/Equipment</td><td>.</td><td>.</td></tr>
<tr><td>Other</td><td>.</td><td>.</td></tr>
<tr><td align="right">TOTALS:</td><td>$ 1000. —</td><td>$.</td></tr>
<tr><td>Program Description for Catalog and Web site</td><td colspan="3">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.</td></tr>
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	Advisors – Connie Foster and William Nelson
	Advisory Committee –
	Admission requirements -
	Articulation agreements -
	Continuing eligibility requirements -

Assessment plan:

Program outcomes to be assessed	Assessment tool	When assessment will take place	Courses/other populations	Number students to be assessed

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2. Indicate the standard of success to be used for this assessment.

3. Indicate who will score and analyze the data.

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

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Connie FOSTER	Connie Foster	10/10/11
Dean	Martha Showof	Martha Showalter	Nov 10, 2011
Vice President for Instruction ☑ Approved for Development ☐ Final Approval		Stuart Blacklaw	11/14/11
President			
Board Approval			