

**Program Information Report****Health Sciences****Computed Tomography (CT) (CPCTOM)****Post-Associate Certificate****Program Effective Term: Fall 2022**

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

**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
  - Expected Spring/Summer graduate from WCC's Radiography program
4. Current American Registry of Radiologic Technologists (ARRT) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
  - Radiography (R)
  - Nuclear Medicine (N)
  - Radiation Therapy (T)
  - Certified Nuclear Medicine Technologist (CNMT)
  - Expected Spring/Summer graduate from WCC's Radiography program

**Program Information Report**

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 will be required to attend a hospital orientation session prior to starting their clinical rotation.
3. Students will be required to submit health records annually while in the program and must complete any other health requirements as designated by the clinical sites.
4. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
5. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program. Failure to demonstrate continued competency will result in dismissal from the program.
6. All Computed Tomography (CT) courses must be completed with a minimum grade of C/2.0.
7. Students must have reliable transportation to clinical education sites, which may require a commute of up to one hour.
8. Students who are dismissed from the program may not be eligible to reapply to the program.

<b>Semester 1 (Fall)</b>		<b>(8 credits)</b>
RAD 259	Introduction to Computed Tomography (CT) Instrumentation and Protocols	1
RAD 261	Patient Care in Computed Tomography (CT)	1
RAD 263	Practical Computed Tomography (CT) Imaging	3
RAD 265	Computed Tomography (CT) Clinical Education I	3

<b>Semester 2 (Winter)</b>		<b>(8 credits)</b>
RAD 262	Principles of Computed Tomography (CT)	2
RAD 266	Advanced Computed Tomography (CT) Imaging	3
RAD 267	Computed Tomography (CT) Clinical Education II	3

**Minimum Credits Required for the Program:** **16**

**PROGRAM CHANGE FORM**

<b>Program Code: CPCTOM</b>	<b>Current Program Name: Computed Tomography</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 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       |                                                                                               |

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:**

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 08:38:25 -0400'</small>	10/18/2021
Division Dean/Administrator	Eva Samulski	<i>Eva Samulski</i>	10/18/21
<p><b>Please return completed form to the Office of Curriculum &amp; Assessment, SC 257  or by e-mail to curriculum.assessment@wccnet.edu</b></p> <p>Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.</p>			

**PROGRAM CHANGE FORM**

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

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Reviewed by C&A Committees 11/11/21

**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:**

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 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       |                                                                                               |

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:**

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****Computed Tomography (CT) (CPCTOM)****Post-Associate Certificate****Program Effective Term: Fall 2021**

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

**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. Minimum grade of B-/2.7.
3. Graduate of one (1) of the accredited programs below:
  - JRCERT
  - JRCNMT
  - Expected Spring/Summer graduate from WCC's Radiography program
4. Current American Registry of Radiologic Technologists (ARRT) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
  - Radiography (R)
  - Nuclear Medicine (N)
  - Radiation Therapy (T)
  - Certified Nuclear Medicine Technologist (CNMT)
  - Expected Spring/Summer graduate from WCC's Radiography program
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.

**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 will be required to attend a hospital orientation session prior to starting their clinical rotation.
3. Students will be required to submit health records annually while in the program and must complete any other health requirements as designated by the clinical sites.
4. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
5. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program. Failure to demonstrate continued competency will result in dismissal from the program.
6. All Computed Tomography (CT) courses must be completed with a minimum grade of C/2.0.
7. Students must have reliable transportation to clinical education sites, which may require a commute of up to one hour.
8. Students who are dismissed from the program may not be eligible to reapply to the program.

<b>Semester 1 (Fall)</b>		<b>(8 credits)</b>
RAD 259	Introduction to Computed Tomography (CT) Instrumentation and Protocols	1
RAD 261	Patient Care in Computed Tomography (CT)	1
RAD 263	Practical Computed Tomography (CT) Imaging	3
RAD 265	Computed Tomography (CT) Clinical Education I	3

<b>Semester 2 (Winter)</b>		<b>(8 credits)</b>
RAD 262	Principles of Computed Tomography (CT)	2
RAD 266	Advanced Computed Tomography (CT) Imaging	3
RAD 267	Computed Tomography (CT) Clinical Education II	3

**Minimum Credits Required for the Program:** **16**



## Program Information Report

## Health Sciences

**Computed Tomography (CT) (CPCTOM)****Post-Associate Certificate****Program Effective Term: Fall 2020**

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

**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 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 <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 admissions process and to download the application can be found 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-/2.7.
3. Graduate of one (1) of the accredited programs below:
  - JRCERT
  - JRCNMT
  - Expected Spring/Summer graduate from WCC's Radiography program
4. Current American Registry of Radiologic Technologists (ARRT) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
  - Radiography (R)
  - Nuclear Medicine (N)
  - Radiation Therapy (T)
  - Certified Nuclear Medicine Technologist (CNMT)
  - Expected Spring/Summer graduate from WCC's Radiography program

**Program Information Report**

- 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. 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. 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 will be required to attend a hospital orientation session prior to starting their clinical rotation.
- 3. Students will be required to submit health records annually while in the program and must complete any other health requirements as designated by the clinical sites.
- 4. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
- 5. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program. Failure to demonstrate continued competency will result in dismissal from the program.
- 6. All Computed Tomography (CT) courses must be completed with a minimum grade of C/2.0.
- 7. Students must have reliable transportation to clinical education sites, which may require a commute of up to an hour.
- 8. Students who are dismissed from the program may not be eligible to reapply to the program.

<b>Semester 1 (Fall)</b>		<b>(8 credits)</b>
RAD 259	Introduction to Computed Tomography (CT) Instrumentation and Protocols	1
RAD 261	Patient Care in Computed Tomography (CT)	1
RAD 263	Practical Computed Tomography (CT) Imaging	3
RAD 265	Computed Tomography (CT) Clinical Education I	3
<b>Semester 2 (Winter)</b>		<b>(8 credits)</b>
RAD 262	Principles of Computed Tomography (CT)	2
RAD 266	Advanced Computed Tomography (CT) Imaging	3
RAD 267	Computed Tomography (CT) Clinical Education II	3

**Minimum Credits Required for the Program: 16**

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: Program Name: Computed Tomography  
(CPCTOM)

Effective Term: Fall 2020

Division Code: 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 checked="" 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 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:**

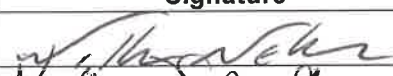

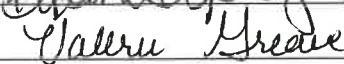
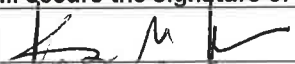
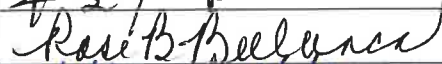
There is a consensus among faculty that this change will help to increase program enrollment. Faculty also believe that a minimum grade of a B- in the required cross-sectional anatomy course will not influence the quality of the applicant or the ability of said applicant to complete the program.

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

N/A

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

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	William Nelson		10/30/19
Department Chair	Kristina Sprague		10/30/19
Division Dean/Administrator	Valerie Greaves		10/30/19
<b>Please submit completed form to the Office of Curriculum and Assessment (SC 257). Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.</b>			
Vice President for Instruction	Kimberly Hurns		11/6/2019
President	Rose B. Bellanca		11/8/19

Do not write in shaded area. Entered in: Banner C&A Database 11/11/19 Log File 11/11/19 Board Approval

**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>Computed Tomography (CT) 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 checked="" type="checkbox"/> Post-Assoc. Cert.   <input type="checkbox"/> Cert. of Comp.         </p> <p style="text-align: center;"><u>Fall 2012</u></p> <p><u>Connie Foster</u></p>	<p><b>Program Code:</b></p> <p><u>CPCTO</u></p> <p><b>CIP Code:</b></p> <p><u>51.0814</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 Computed Tomography (CT) program is to prepare students for the American Registry of Radiologic Technologists' (ARRT) post-primary registry certification examination in computed tomography, as well as for entry-level computed tomography employment. Due to limited space, this program will require a second admission to the program.</p> <p>The criteria for admission in the Computed Tomography program:</p> <ul style="list-style-type: none"> <li>Registered radiologic technologist with primary certification in Radiography ARRT (R), Nuclear Medicine ARRT (N), or Radiation Therapy, ARRT (T) and Certified Nuclear Medicine Technologist, CNMT</li> <li>Graduate of a JRCERT accredited Program</li> <li>Minimum GPA of 2.7</li> <li>Current CPR certification</li> <li>Completed college physical form by licensed physician</li> <li>Crime-free criminal background check</li> <li>Completion of RAD 223 Sectional Anatomy, or an equivalent course, with a grade of B- or better.</li> </ul> <p>The projected enrollment is 12 students.</p> <p>The Computed Tomography (CT) program will provide graduates of the Washtenaw Community College Radiography Program with an opportunity to obtain advanced certification in computed tomography (CT). It will also assist ARRT certified radiologic technologists in preparation for advanced Certification in Computed Tomography.</p> <p>This is an advanced specialized field for imaging professionals that is beginning to require technologists to complete a formal educational program. Registered radiologic technologists who complete the computed tomography program will also satisfy the ARRT continuing education requirements for a 2-year period.</p>	

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<p><b>Need</b></p> <p>Need for the program with evidence to support the stated need.</p>	<p>The State of Michigan now requires that unregistered computed tomography (CT) technologists complete 20 hours of training and experience in operating CT equipment, radiation physics, and radiation protection or obtain the advanced certificate in computed tomography from the American Registry of Radiologic Technologist (ARRT).</p> <p>The computed tomography courses will be taught by a certified computed tomography (CT) technologist 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. anatomical models, instructional software, which is estimated to cost less than \$1,000.00. No dedicated computed tomography x-ray equipment will need to be purchased for the computed tomography 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. Students completing the Computed Tomography (CT) Program will demonstrate competency in the principles of computed tomography comparable to graduates of other similar national programs.</li> <li>2. Students admitted to the Computed Tomography (CT) Program will complete the program.</li> <li>3. Students will express satisfaction with the Computed Tomography (CT) Program.</li> </ol>	<p><u>Assessment method</u></p> <ol style="list-style-type: none"> <li>1. American Registry of Radiologic Technologists (ARRT) Computed Tomography (CT) 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 261 Principles of Computed Tomography (2 credits; 30 contact hours) limited 12 students</p> <p>RAD 263 Practical Computed Tomography (CT) Imaging (2 credits; 30 contact hours): limited 12 students</p> <p>RAD 265 Computed Tomography (CT) Clinical Education I (2 credits; 3 days/week x 7.5 weeks = 180 clinical hours)</p> <p>RAD 266 Advanced Computed Tomography (CT) Imaging (2 credits: 20 contact hours): limited 12 students</p> <p>RAD 267 Computed Tomography (CT) Clinical Education II (3 credits; 3 days/week x 15 weeks = 360 clinical hours)</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>2000 .</p>	<p>2000 .</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><b>\$ 2,000.00</b></p>	<p><b>\$2000 .</b></p>

<b>Program Description for Catalog and Web site</b>	The computed tomography (CT) program is a post-associate advanced certificate program that is designed for registered radiologic technologists (ARRT), radiation therapists (ARRT), and nuclear medicine technologists (ARRT or NMTCB). This program offers the didactic and clinical experience that will provide students with the knowledge and skills that are required to become an entry-level computed tomography technologist. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) computed tomography guidelines. Upon successful completion of the computed tomography program, students are eligible to take the ARRT post-primary certification examination in computed tomography.
<b>Program Information</b>	<p>Accreditation/Licensure – The program will be accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT)</p> <p>Advisors – Connie Foster and William Nelson</p> <p>Advisory Committee – Radiography Advisory Committee</p> <p>Admission requirements – Formal admission to the program</p> <p>Articulation agreements – No articulation agreements</p> <p>Continuing eligibility requirements -</p>

**Assessment plan:**

<b>Program outcomes to be assessed</b>	<b>Assessment tool</b>	<b>When assessment will take place</b>	<b>Courses/other populations</b>	<b>Number students to be assessed</b>
Demonstrate competency in the principles of mammography comparable to graduates of other similar national programs.	American Registry of Radiologic Technologists (ARRT) Computed Tomography (CT) Certification Examination	Within 6 months of graduation	Program graduates	12 students
Students admitted to the Computed Tomography (CT) Program will complete the program.	Graduation rates	Within 6 months of graduation	Program graduates	12 students
Students will express satisfaction with the Computed Tomography (CT) 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 Computed Tomography (CT) 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 computed tomography (CT) instructors will meet to review and discuss the assessment results after the completion of the Computed Tomography (CT) program. The assessment results will be used to revise the computed tomography (CT) courses that will be offered during the next Fall and Winter terms.

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 Blacklow	<i>Stuart Blacklow</i>	3/23/12
President	Rose B. Bellarex	<i>Rose B. Bellarex</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.

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.

**Computed Tomography (CPCTO)**

**Post-Associate Certificate**

**Program Effective Term: Fall 2012**

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

**Program Admission Requirements:**

The criteria for admission Admission to the Computed Tomography program:

- Registered radiologic technologist with primary certification in Radiography ARRT (R), Nuclear Medicine ARRT (N), or Radiation Therapy, ARRT (T) and Certified Nuclear Medicine Technologist, CNMT
- Graduate of a JRCERT accredited program
- Minimum GRA of 2.7
- Current CPR certification
- Completed college physical form by licensed physician
- Crime-free criminal background check
- Completion of RAD 223 Sectional Anatomy, or an equivalent course, with a grade of B- or better.

**Major Area Requirements**

2012-2013 Catalog

RAD 262	Principles of Computed Tomography (CT)	2
RAD 263	Practical Computed Tomography (CT) Imaging	2
RAD 265	Computed Tomography (CT) Clinical Education I	2
RAD 266	Advanced Computed Tomography (CT) Imaging	2
RAD 267	Computed Tomography (CT) Clinical Education II	3

**Minimum Credits Required for the Program:**

**11**



**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>Computed Tomography (CT) 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 checked="" type="checkbox"/> Post-Assoc. Cert.   <input type="checkbox"/> Cert. of Comp.         </p> <p>Fall 2012</p> <hr/> <p>Connie Foster</p> <hr/>	<p><b>Program Code:</b></p> <p style="font-size: 1.2em; font-weight: bold;">CPCTO</p> <p><b>CIP Code:</b></p> <hr/>
<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 Computed Tomography (CT) program is to prepare students for the American Registry of Radiologic Technologists' (ARRT) post-primary registry certification examination in computed tomography, as well as for entry-level computed tomography employment.</p> <p>The criteria for admission in the Computed Tomography program:</p> <ul style="list-style-type: none"> <li>Registered radiologic technologist with primary certification in Radiography, Nuclear Medicine or Radiation Therapy</li> <li>Graduate of a JRCERT accredited Program</li> <li>Minimum GPA of 2.7</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 Computed Tomography (CT) program will provide graduates of the Washtenaw Community College Radiography Program with an opportunity to obtain advanced certification in computed tomography (CT). It will also assist ARRT certified radiologic technologists in preparation for advanced Certification in Computed Tomography.</p> <p>This is an advanced specialized field for imaging professionals that is beginning to require technologists to complete a formal educational program. Registered radiologic technologists who complete the computed tomography 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 now requires that unregistered computed tomography (CT) technologists complete 20 hours of training and experience in operating CT equipment, radiation physics, and radiation protection or obtain the advanced certificate in computed tomography from the American Registry of Radiologic Technologist (ARRT).</p> <p>The computed tomography (CT) courses will be taught by part-time faculty. In order to accommodate working technologist, the CT courses will be taught in the radiography lab in OE 121 during the evening and/or weekends. Only a few ancillary items will need to be purchased for this program, i.e. anatomical models, instructional software, which is estimated to cost less than \$1,000.00. No dedicated computed tomography x-ray equipment will need to be purchased for the computed tomography program.</p>	

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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>	<ol style="list-style-type: none"> <li>1. Operate the CT scanner and its ancillary devices.</li> <li>2. Prepare and position patients for CT scans.</li> <li>3. Process images using conventional film/screen systems and digital imaging systems.</li> <li>4. Perform quality control tests for CT imaging system performance.</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 223: Sectional Anatomy (2 credits; 30 contact hours): Prerequisite course for CT program</p> <p>RAD 262 Principles of Computed Tomography (2 credits; 30 contact hours) limited 12 students</p> <p>RAD 263 CT Protocols I (2 credits; 30 contact hours): limited 12 students</p> <p>RAD 264 CT Clinical Educations I (3 credits; 3 days/week x 15 weeks = 360 clinical hours)</p> <p>RAD 265 CT Pathology (2 credits: 20 contact hours): limited 12 students</p> <p>RAD 266 CT Protocols II (3 credits; 2 credits: 20 contact hours): limited 12 students</p> <p>RAD 267 CT Clinical Educations I (3 credits; 3 days/week x 15 weeks = 360 clinical hours)</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 computed tomography (CT) program is a post-associate advanced certificate program that is designed for registered radiologic technologists (ARRT), radiation therapists (ARRT), and nuclear medicine technologists (ARRT or NMTCB). This program offers the didactic and clinical experience that will provide students with the knowledge and skills that are required to become an entry-level computed tomography technologist. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) computed tomography guidelines. Upon successful completion of the computed tomography program, students are eligible to take the ARRT post-primary certification examination in computed tomography.</p> <p>In an effort to accommodate working radiologic technologist, 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 – Admission requirements - Articulation agreements - Continuing eligibility requirements -
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**Assessment plan:**

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

**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.
  
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	11/10/11
Dean	Martha Showalter	Martha Showalter	11/10/11
Vice President for Instruction <input checked="" type="checkbox"/> Approved for Development <input type="checkbox"/> Final Approval	Stuart Blacklaw	Stuart Blacklaw	11/14/11
President			
Board Approval			