

# CT STATE COMMUNITY COLLEGE

## COVER SHEET FOR ALL CURRICULUM PROPOSALS

Check all Campuses making this proposal.	ACC	CCC	GWCC	HCC	MCC	MxCC	NVCC	NWCC	NCC	QVCC	TRCC	TxCC	ALL Proposals	New Programs/Courses			
													PC Signature	CEO Signature <i>(CEO signature needed for all <u>new programs</u> and any new courses that have new facility/resource costs associated with the course)</i>	New Program Approval Supplement B <i>("Budget" included for each campus)</i>	New Program Approval Section 6 <i>("Cost Effectiveness and Resources" included for each campus)</i>	
X						MxCC							Donna J. Crum				

**Type of Proposal.**

	<b>NEW</b> Program ( <i>degree</i> )
	<b>NEW</b> Certificate
	<b>NEW</b> Course
X	<b>MODIFICATION</b> of an Aligned Program ( <i>degree</i> )
	<b>MODIFICATION</b> of an Aligned Certificate
	<b>MODIFICATION</b> of an Aligned Course
	<b>DISCONTINUATION</b> of a Program ( <i>degree</i> )
	<b>DISCONTINUATION</b> of a Certificate
	<b>DISCONTINUATION</b> of a Course
	<b>OTHER</b> ( <i>please describe</i> ):

**Directions:** Please provide the date, name of originator, title, and campus below.

Date: <b>9/7/23</b>	Primary Campus of Originator: <b>Middlesex</b>
Name of Originator: <b>Donna Crum</b>	Title of Originator: <b>Interim Coordinator</b>

<b>Program Name (Aligned):</b> Radiography	<b>Program Name (Modified):</b> Radiography
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<b>Degree Type (Aligned):</b> Associate in Science	<b>Degree Type (Modified):</b> Associate in Science
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**Summary of Modifications:**

The Middlesex Radiography program would like to remove RAD2295- Radiographic Clinical Internship from the program and replace it with RAD2194 - Radiographic Clinical V. This will effectively reduce the amount of clinical hours from 480 clinical hours to 360 clinical hours for the final spring semester of the program. This would bring the Middlesex Program into alignment with the other radiography programs at: Capital, Gateway, Manchester and Naugatuck Valley. The reduction in clinical hours will not hinder the accomplishment of the program objectives. This will be a cost savings for the students and the CSCC.

**See Line 19.**

**Note: There are no other modifications to this program.**

**Program Description (Aligned):**

The mission of the Connecticut State Community College Radiography program is to provide a comprehensive radiography program that will graduate competent, entry-level radiologic technologists for the healthcare community.

Radiography or "x-ray" uses very small doses of ionizing radiation to produce images of internal structures of the body for the diagnosis of disease or injury. Radiographers are technologists who operate imaging equipment to produce quality images of the body for a Radiologist or other ordering provider to interpret. The associate degree program in Radiography prepares students for employment as entry level radiographers in hospitals, outpatient facilities, medical offices, community health agencies, or nondestructive testing industries where radiation is used for quality control. The structure of the curriculum is sequential and includes appropriate didactic content and ample supervised clinical education to assure sufficient opportunity to achieve all didactic and clinical requirements. Each campus will have some degree of differentiation in course offerings and sequencing based on clinical capacity, student enrollment and Joint Review Committee on Education in Radiologic Technology (JRCERT) approval. Students are assigned to clinical practice at various medical facilities throughout the state of Connecticut. Upon completion of the program, graduates are eligible to take the national certifying examination in radiography as administered by the American Registry of Radiologic Technologists (ARRT) in Radiography.

In addition to the College's general education core curriculum, the Connecticut State Community College Radiography program has a set of common program courses. Additionally, each campus may have its own set of differentiated options that must be taken to be eligible for graduation. Differentiated options are courses that meet the needs of the individual campus for a variety of reasons including but not limited to clinical site requirements, clinical site capacity, campus course offerings, and clinical competency requirements. Because each campus is required to maintain an individual accreditation from the Joint Review Committee on Education in Radiologic Technology (JRCERT), they may require differentiated options, and may have differentiated course sequencing, students cannot transfer from one campus program to another campus program.

The Radiography program is a competency-based program. The credits associated with each clinical practice course are not a direct reflection of contact hours. One credit of clinical practice is equal to 120 hours of clinical practice.

Students who wish to transfer to an approved four-year program in radiography to achieve advanced level certification in computed tomography (CT), magnetic resonance imaging (MRI) or other disciplines, or programs for health care management should consult their campus' Radiography Program Coordinator regarding established transfer articulation agreements.

**Program Description (Modified):**

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**Program Learning Outcomes (Aligned):**

Upon successful completion of all program requirements, graduates will be able to:

Goal 1: Students will demonstrate effective communication skills

Student Learning Outcomes:

- 1: Students will use effective oral communication skills with a wide variety of audiences in the clinical setting
- 2: Students will practice effective written communication skills

Goal 2: Students will utilize critical thinking skills

Student Learning Outcomes:

- 1: Students will assess images for diagnostic quality
- 2: Students will assess images and make appropriate adjustment(s) as needed

Goal 3: Students will be clinically competent when performing entry level imaging procedures

Student Learning Outcomes:

- 1: Students will accurately position patients for radiographic procedures based on patient assessment
- 2: Students will select appropriate technical factors to obtain diagnostic quality images based on patient assessment
- 3: Students will utilize radiation safety for self and others

Goal 4: Students will demonstrate professional behavior

Student Learning Outcomes:

- 1: Students will demonstrate professionalism in the program
- 2: Students will participate in professional activities with state and national organizations

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Below are the general education requirements for the CT State General Education core (approved by the BOR 5/14/2020).

1	<b>ENG 1010 Composition</b>	<b>3 credits</b>
2	<b>MATH Pathway (assert the appropriate Math Pathway for this program)</b>	<b>3-4 credits</b>
3	<b>Arts &amp; Humanities <u>Gen Ed Courses ARHX</u></b> <i>Recommend course varies by program</i>	<b>3 credits</b>
4	<b>Choose one from:</b> <b>Scientific Reasoning <u>Gen Ed Courses SCRX</u></b> <b>Scientific Knowledge <u>Gen Ed Courses SCKX</u></b> <i>Recommended course varies by program</i>	<b>3-4 credits</b> <b>(lab optional in some programs)</b>
5	<b>Choose one from:</b> <b>Social/Behavioral Science <u>Gen Ed Courses SBSX</u></b> <b>Historical Knowledge <u>Gen Ed Courses HISX</u></b> <i>Recommended course varies by program</i>	<b>3 credits</b>
6	<b>Choose one from:</b> <b>Oral Communication <u>Gen Ed Courses ORAX</u></b> <b>Written Communication II <u>Gen Ed Courses WRIX</u></b> <i>Recommended course varies by program</i>	<b>3 credits</b>
7	<b>Choose one from:</b> <b>Continued Learning/Information Literacy <u>Gen Ed Courses CLIX</u></b> <b>Scientific Knowledge <u>Gen Ed Courses SCKX</u></b> <b>Scientific Reasoning <u>Gen Ed Courses SCRX</u></b> <b>Social/Behavioral Science <u>Gen Ed Courses SBSX</u></b> <b>Historical Knowledge <u>Gen Ed Courses HISX</u></b> <b>Written Communication II <u>Gen Ed Courses WRIX</u></b> <b>Oral Communication <u>Gen Ed Courses ORAX</u></b> This is a program-designated course fulfilled in most cases by <b><u>CCS 1001 - College &amp; Career Success</u></b>	<b>3-4 credits</b>
	<b><i>Students must take at least one course in the Gen Ed core which meets a diversity requirement.</i></b>	
	<b>General Education Total:</b>	<b>Total: 21-25 credits</b>

CT State Community College - Modification of an Aligned Program (Below Threshold)

General Education Core Courses (21-25 credits) (Aligned)				General Education Core Courses (21-25 credits) (Modified)			
	Course Number	Course Name	# of Credits		Course Number	Course Name	# of Credits
1.	ENG 1010	English Composition	3	1.	ENG 1010	English Composition	3
2.	MATH1600	College Algebra	3	2.	MATH1600	College Algebra	3
3.	AHRX	Arts & Humanities	3	3.	AHRX	Arts & Humanities	3
4.	BIO2111	A & P I	4	4.	BIO2111	A & P I	4
5.	PSY1011	General Psychology	3	5.	PSY1011	General Psychology	3
6.	COMM1301	Human Communication	3	6.	COMM1301	Human Communication	3
7.	CCS1001	College Career and Success	3	7.	CCS1001	College Career and Success	3
<b>General Education Core Credits</b>			22	<b>General Education Core Credits</b>			22

Program Requirements (36-39 credits) (Aligned)					Program Requirements (36-39 credits) (Modified)				
	Course Number	Course Name	# of Credits	Pre-req/ Co-req Course #		Course Number	Course Name	# of Credits	Pre-req/ Co-req Course #
1.	RAD1001	Intro to Rad Science & Pt. Care	3		1.	RAD1001	Intro to Rad Science & Pt. Care	3	
2.	RAD1002	Radiographic Procedures I	3		2.	RAD1002	Radiographic Procedures I	3	
3.	RAD1002L	Radiographic Procedures I Lab	1		3.	RAD1002L	Radiographic Procedures I Lab	1	
4.	RAD1010	Radiographic Procedures II	3		4.	RAD1010	Radiographic Procedures II	3	
5.	RAD1010 L	Radiographic Procedures II Lab	1		5.	RAD1010 L	Radiographic Procedures II Lab	1	
6.	RAD1011	Imaging/Exposure I	3		6.	RAD1011	Imaging/Exposure I	3	
7.	RAD1012	Imaging/Exposure II	3		7.	RAD1012	Imaging/Exposure II	3	
8.	RAD1094	Radiographic Clinical I (fall)	2		8.	RAD1094	Radiographic Clinical I (fall)	2	
9.	RAD1194	Radiographic Clinical II (spring)	2		9.	RAD1194	Radiographic Clinical II (spring)	2	
10.	RAD1294	Radiographic Clinical III	2		10.	RAD1294	Radiographic Clinical III	2	
11.	RAD2001	Radiographic Procedures III	3		11.	RAD2001	Radiographic Procedures III	3	

**CT State Community College - Modification of an Aligned Program (Below Threshold)**

12.	RAD2001L	Radiographic Pro	1		12.	RAD2001L	Radiographic Pro	1	
13.	RAD2002	Imaging/Exposur	3		13.	RAD2002	Imaging/Exposur	3	
14.	RAD2002L	Imaging/Exposur	1		14.	RAD2002L	Imaging/Exposur	1	
15.	RAD2090	Senior Seminar	3		15.	RAD2090	Senior Seminar	3	
16.	RAD2022	Rad Bio and Rac	3		16.	RAD2022	Rad Bio and Rac	3	
17.	RAD2015	Radiographic Pa	3		17.	RAD2015	Radiographic Pa	3	
18.	RAD1013	Advance Pt. Carri	2		18.	RAD1013	Advance Pt. Carri	2	
19.	RAD2095	Radiographic Cli	4		19.	RAD2194 (spring)	Radiographic Cli	3	

20. BIO 2112 A & P II 4 20. BIO 2112 A & P II 4

21. RAD 2094 Radiography Clir 3 21. RAD 2094 Radiography Clin 3

<b>Program Requirement Credits</b>	53	<b>Program Requirement Credits</b>	52
<b>General Education Core Credits</b>	22	<b>General Education Core Credits</b>	22
<b>Program Total Credits (60-61)</b>	75	<b>Program Total Credits (60-61)</b>	74

Resource needs have been discussed with Library Services and Information Technology Operations. (Complete if applicable.)

Name and Title	Signature of Originator	Date

- No Library Services needed
- No Technology Services needed

GOVERNANCE BODY	SIGNATURES	DATE
Statewide Discipline Council	<i>Susan Morrison</i>	9/8/23
School Area Curriculum Council		
Curriculum Congress		
School Area Academic Dean		
CT State Provost		
*Campus CEO (if applicable)		
*CT State President (if applicable)		