

# RADIOGRAPHY - ASSOCIATE IN APPLIED SCIENCE



## XRAY

**Occupational Title: Radiologic Technologist**  
**Flanagan Campus, Lincoln only**

The Radiography program offered by the community college is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, IL, 60606; 312-704-5300.

This is a 24-month program that begins in June. Students enrolled in the program participate in six semesters of classroom instruction at the college and clinical education at imaging facilities affiliated with the program. Students should apply in February during the open application period for the Health Sciences programs.

Students successfully completing the program are eligible to take the American Registry of Radiologic Technologists examination. Graduates of this program are prepared for entry-level employment as radiographers in hospitals, clinics, and private offices. Radiographers are licensed in the state of Rhode Island.

**Technical standards** can be accessed through the Radiography Program webpage (<https://www.ccri.edu/alliedrehabhealth/radiography/>).

**Note:** Many courses require prerequisites, corequisites and/or testing. See course descriptions for details (<https://catalog.ccri.edu/course-descriptions/>).

## General Policies

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

## Minimum Requirements to Apply to the Radiography Program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; pre-Radiography (XRAY) should be the second choice.
2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. **CCRI uses a multiple measures** approach to determine admission into Health Science programs (For example: High School and GED® transcripts, SAT, ACT, HESI A2 or ACCUPLACER scores). Placement can also be determined by taking college level English and Math courses. Anyone with a degree from a regionally accredited higher education institution may have this requirement waived following submission of the official college transcript. If using ACCUPLACER, the following guidelines are used:

- **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI's Advising Center. Students may NOT retake the ACCUPLACER test before completing the remedial course/courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor's degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.
- **Reading comprehension test** must show competency of 90 or above in the Classic ACCUPLACER or a score of 259 or above in the Next Generation ACCUPLACER or students must complete Reading and Study Skills Program (ENGL 1002) with a grade of B- or better.

4. **Complete courses required** for admission with a grade of C or better.
  - Composition I (ENGL 1010). Composition I for Speakers of English as a Second Language (ESL) (ENGL 1300) will not substitute for Composition I (ENGL 1010).
  - College Algebra (MATH 1200) or (MATH 1200C), Pre-Calculus Mathematics (MATH 2111), or Calculus I (MATH 2141)
  - Introduction to Radiography (XRAY 1000)
5. **GPA** – A cumulative grade point average of 2.0 or better for all college courses taken.
6. **Aptitude Examination** – Take the HESI (Health Educational System Incorporated) Exam administered through the Advising Center. Students are limited to two (2) attempts within a 12-month period. A minimum of two (2) weeks between exams is required.
7. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
  - **Important:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See Dean of Health and Rehabilitative Sciences webpage (<https://www.ccri.edu/dean-hrs/>)). At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied and Rehabilitative Health Department.
8. **Background check** – Students are required to submit a background check when directed by notification from One Stop Student Services.

## Program Requirements

- Students must complete all courses in this program with a cumulative GPA index of 2.0 to qualify for the Associate in Applied Science degree.
- No grade less than C is acceptable in any of the technical courses (XRAY); students receiving less than C will be dismissed from the program.
- Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student's academic, clinical or professional performance.

## Program Learning Outcomes

**Upon completion of this program, a student will be able to:**

1. Be skilled in current practice as entry-level diagnostic radiographers.
2. Demonstrate the ability to communicate orally and in writing.

3. Demonstrate the ability to think critically and solve problems in a clinical setting.
4. Act as ethical and responsible members of the healthcare team.

## Requirements

Code	Title	Hours
<b>Preadmission General Education Requirements</b>		
These courses must be taken prior to program admission:		
ENGL 1010	Composition I (or ENGL 1010A) HUMN; Written Communication; Information Literacy	3
Choose ONE of the following: <sup>1</sup>		
MATH 1200	College Algebra (or MATH 1200C) MSCX; Scientific Reasoning; Quantitative Literacy	4
MATH 2111	Pre-Calculus Mathematics MSCI; Scientific Reasoning; Quantitative Literacy	
MATH 2141	Calculus I MSCI; Scientific Reasoning; Quantitative Literacy	
Subtotal		7
<b>General Education Requirements</b>		
Literature Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/</a> ) HUMN		3
PHYS 1110	Radiographic Physics 2; MSCI; Scientific Reasoning; Quantitative Literacy	4
PSYC 2010	General Psychology SSCI; Critical Thinking; Scientific Reasoning	4
Choose ONE of the following:		
Humanities Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/</a> ) HUMN		
Social Science Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#ssci gened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#ssci gened/</a> ) SSCI		
Subtotal		14
<b>Preadmission Major Requirement</b>		
This course must be taken prior to program admission:		
XRAY 1000	Introduction to Radiography	3
Subtotal		3
<b>Major Requirements</b>		
Students must be accepted into the program before taking any major requirements. <sup>3</sup>		
MLTC 1180	Specimen Collection and Handling for Healthcare Professionals	1
XRAY 1010	Clinical Radiography <sup>^</sup>	3
XRAY 1110	Principles of Radiography I	3
XRAY 1130	Radiographic Anatomy and Physiology	3
XRAY 1220	Principles of Radiography II	3
XRAY 1230	Patient Care for Radiographers	1
XRAY 1910	Radiography I <sup>^</sup>	6
XRAY 1920	Radiography II <sup>^</sup>	6
XRAY 1930	Radiography III <sup>^</sup>	6
XRAY 2340	Quality Assurance in Radiography	1
XRAY 2410	Introduction to Radiation Biology	3
XRAY 2430	Sectional Imaging	3
XRAY 2460	Principles of Imaging Diverse Patient Populations	3
XRAY 2470	Radiographic Pathology	1

XRAY 2910	Radiography IV <sup>^</sup>	7
XRAY 2920	Radiography V <sup>^</sup>	4
Subtotal		54
<b>Total Hours</b>		<b>78</b>

<sup>1</sup> College Algebra (MATH 1200) (or MATH 1200C) only count as general education math requirement for students enrolled in the following career-oriented programs: CHMT, DMMSD/DMSE/DMSV, and XRAY. Students that choose to take Pre-Calculus Mathematics (MATH 2111) and Calculus I (MATH 2141) to fulfill their math requirement may need to take a prerequisite course. See course descriptions for details.

<sup>2</sup> This course is open only to students enrolled in the Radiography Program.

<sup>3</sup> (except Introduction to Radiography (XRAY 1000))

<sup>^</sup> Work-based learning course

## Recommended Course Sequence

Course	Title	Hours
<b>Prerequisites</b>		
ENGL 1010	Composition I (or ENGL 1010A)	3
Choose ONE of the following:		
MATH 1200	College Algebra (or MATH 1200C)	
MATH 2111	Pre-Calculus Mathematics	
MATH 2141	Calculus I	
XRAY 1000	Introduction to Radiography	3
<b>Hours</b>		<b>9</b>
<b>Summer Session</b>		
XRAY 1010	Clinical Radiography <sup>^</sup>	3
XRAY 1110	Principles of Radiography I	3
<b>Hours</b>		<b>6</b>
<b>Year 1</b>		
<b>Semester 1</b>		
XRAY 1130	Radiographic Anatomy and Physiology	3
XRAY 1220	Principles of Radiography II	3
XRAY 1230	Patient Care for Radiographers	1
XRAY 1910	Radiography I <sup>^</sup>	6
PSYC 2010	General Psychology	4
<b>Hours</b>		<b>17</b>
<b>Semester 2</b>		
XRAY 1920	Radiography II <sup>^</sup>	6
XRAY 2430	Sectional Imaging	3
PHYS 1110	Radiographic Physics	4
<b>Hours</b>		<b>13</b>
<b>Summer Session</b>		
XRAY 1930	Radiography III <sup>^</sup>	6
<b>Hours</b>		<b>6</b>
<b>Year 2</b>		
<b>Semester 1</b>		
XRAY 2340	Quality Assurance in Radiography	1
XRAY 2410	Introduction to Radiation Biology	3
XRAY 2910	Radiography IV <sup>^</sup>	7

Literature Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/</a> )		3
<b>Hours</b>		<b>14</b>
<b>Semester 2</b>		
XRAY 2460	Principles of Imaging Diverse Patient Populations	3
XRAY 2470	Radiographic Pathology	1
XRAY 2920	Radiography V^	4
MLTC 1180	Specimen Collection and Handling for Healthcare Professionals (5 weeks)	1
Choose ONE of the following:		3
Humanities Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/</a> )		
Social Science Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/</a> )		
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>77</b>

^ Work-based learning course

## Transfer

Please meet with an Academic Advisor/Student Success Coach (<https://ccri.edu/advising/>) if you are interested in earning a bachelor's degree. Your Academic Advisor will help you select the courses that best prepare you for transfer to a four-year college or university.

Check out the Joint Admissions Agreement (<https://ccri.edu/jaa/>) if you are interested in transferring to Rhode Island College or the University of Rhode Island. The JAA program offers seamless transfer to RIC or URI with additional benefits. Transfer information, events, and articulations are available on the Transfer Center website ([https://ccri.edu/oes/transfer\\_center/](https://ccri.edu/oes/transfer_center/)).