

# RADIOLOGIC TECHNOLOGY, ASSOCIATE OF APPLIED SCIENCE

Curriculum Code #2045

Effective May 2026

Division of Health and Wellness Sciences (<http://catalog.lorainccc.edu/academic-programs/allied-health-nursing-health-physical-education-recreation/>)

Students who graduate from the radiologic technology program at LCCC will be eligible to take a national registry examination administered by the ARRT. Graduates will have learned the skills necessary to be employed in a diagnostic radiology center. Graduates of this program are also prepared for continuing specialized education in other areas of diagnostic imaging. Lorain County Community College has articulation agreements with colleges and universities including programs offered by Lorain County Community College's University Partnership. American Heart Association Healthcare Provider certification is required upon entrance to the program.

## First Year

| Fall Semester                |                                                 | Hours     |
|------------------------------|-------------------------------------------------|-----------|
| ALHN 110                     | MEDICAL TERMINOLOGY <sup>1</sup>                | 3         |
| ALHN 113                     | INTRODUCTION TO PATIENT CARE <sup>1,2</sup>     | 1         |
| BIOG 221                     | ANATOMY & PHYSIOLOGY I <sup>1</sup>             | 4         |
| Select one of the following: |                                                 | 3         |
| MTHM 158                     | QUANTITATIVE REASONING <sup>1</sup>             |           |
| MTHM 168                     | STATISTICS <sup>1</sup>                         |           |
| RDTC 110                     | INTRODUCTION TO RADIOGRAPHY <sup>1,3</sup>      | 3         |
| RDTC 114                     | RADIOGRAPHIC PROCEDURES I <sup>1,3,4</sup>      | 4         |
| SDEV 101                     | INTRODUCTION TO THE LCCC COMMUNITY <sup>5</sup> | 1         |
| <b>Hours</b>                 |                                                 | <b>19</b> |

## Spring Semester

|              |                                                   |           |
|--------------|---------------------------------------------------|-----------|
| BIOG 222     | ANATOMY AND PHYSIOLOGY II <sup>1,3</sup>          | 4         |
| RDTC 116     | RADIOGRAPHIC PROCEDURES II <sup>1,3,4</sup>       | 4         |
| RDTC 117     | RADIOGRAPHIC PHYSICS AND EQUIPMENT <sup>1,3</sup> | 3         |
| RDTC 118     | IMAGING TECHNIQUE <sup>1,3</sup>                  | 4         |
| <b>Hours</b> |                                                   | <b>15</b> |

## Summer Semester

|              |                                                     |          |
|--------------|-----------------------------------------------------|----------|
| RDTC 119     | ADVANCED PROCEDURES AND MODALITIES <sup>1,3,4</sup> | 4        |
| <b>Hours</b> |                                                     | <b>4</b> |

## Second Year

| Fall Semester |                                        | Hours |
|---------------|----------------------------------------|-------|
| BIOG 123      | CROSS-SECTIONAL ANATOMY <sup>1,3</sup> | 2     |
| ENGL 161      | COLLEGE COMPOSITION I                  | 3     |
| RDTC 211      | IMAGE CRITIQUE <sup>1,3</sup>          | 2     |
| RDTC 212      | RADIOLOGIC PATHOLOGY <sup>1,3</sup>    | 2     |

|                        |                                             |           |
|------------------------|---------------------------------------------|-----------|
| RDTC 213               | RADIOLOGIC IMAGING SCIENCE <sup>1,3,4</sup> | 5         |
| <b>Hours</b>           |                                             | <b>14</b> |
| <b>Spring Semester</b> |                                             |           |
| ENGL 162               | COLLEGE COMPOSITION II <sup>3</sup>         | 3         |
| RDTC 234               | TRENDS IN RADIOLOGY <sup>1,3,4</sup>        | 5         |
| RDTC 236               | RADIOBIOLOGY AND PROTECTION <sup>1,3</sup>  | 2         |
| SOCY 151G              | INTRODUCTION TO SOCIOLOGY                   | 3         |
| <b>Hours</b>           |                                             | <b>13</b> |
| <b>Total Hours</b>     |                                             | <b>65</b> |

<sup>1</sup> Indicates that a grade of C (2.00) or better must be earned in order to continue in the program sequence.

<sup>2</sup> Students who have CNA (Certified Nurse Aide) status are not required to take ALHN 113.

<sup>3</sup> Indicates that this course requires a prerequisite.

<sup>4</sup> Indicates this course contains experiential learning.

<sup>5</sup> A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of 12 or more credit hours.

*Note: Students will purchase Trajecs clinical software access in LCCC bookstore. Software access rights are good for the program length.*

Program Contact(s):

**Gary Greathouse**

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For information about admissions, enrollment, transfer, graduation and other general questions, please contact your advising team (<https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling/>).

**More program information can be found on our website.**  
(<https://www.lorainccc.edu/health/radiology/>)  
**Admission Requirements for Radiologic Technology**

1. Official high school or GED and college/program transcripts (if applicable) on file in the LCCC Records office.
2. Program application form on file.
3. Minimum GPA of 2.5 for all college-level coursework (includes transfer/transient courses).
4. 18 years of age on or before October 1 of their first year in the major coursework of the program.
5. High school algebra (LCCC placement assessment test), laboratory science (biology, chemistry or physics) or equivalent with a grade of C or better.
6. Attend program information session.

*Please note: Selection for program entry is competitive and based on a combination of factors including grade point average, performance in selected math and science courses, interview, completion of program support courses and a writing sample. Only selected candidates (initially based on support coursework completed, GPA and Math and Science course performance) will be asked to interview and submit a writing sample.*

Learn more about Allied Health program requirements (<http://catalog.lorainccc.edu/academic-information/allied-health-nursing-admissions/>)

Credit for Prior Learning (PLA) options may be available for your program. For more information, please visit our website: [www.lorainccc.edu/PLA](http://www.lorainccc.edu/PLA) (<http://www.lorainccc.edu/PLA>)

### **Program Learning Outcomes**

#### Program Goals:

Goal 1: Students will be clinically competent.

- Outcome: Students will successfully perform diagnostic imaging procedures.
- Outcome: Students will apply radiation protection principals.

Goal 2: Students will communicate effectively with patients and clinical staff.

- Outcome: Students will demonstrate excellent written communication skills in the clinical setting.
- Outcome: Students will demonstrate excellent oral communication skills in the clinical setting.

Goal 3: Students will demonstrate critical thinking and problem solving skills.

- Outcome: Students will modify routines and procedures to accommodate patient or exam needs.
- Outcome: Students will identify resources and solutions when faced with problem situations.

Goal 4: Students will demonstrate professionalism.

- Outcome: Students will demonstrate professional behaviors in the clinical environment.
- Outcome: Students will follow the ARRT Code of Ethics and make ethical decisions.

#### Program Effectiveness Measures

- Outcome: Graduates will pass the ARRT Exam
- Outcome: Employers will be satisfied with the quality of graduates
- Outcome: Students/graduates will be satisfied with program quality
- Outcome: Graduates will obtain jobs as radiologic technologists
- Outcome: Students who enter the program will complete the program