



Radiologic Technology A.A.S.

Career Community: Health Careers

Curriculum Code: 0196

Effective: Fall 2023 – Summer 2025

Description

Radiologic technologists, also called radiographers, operate X-ray equipment under the direction of a physician, taking radiographs of internal parts of the body. Most often radiologic technologists are employed in hospitals, clinics and physician offices. Graduates of the program will be eligible for examination by the American Registry of Radiologic Technologists (ARRT). Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course. This program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N Wacker Drive, Suite 2850, Chicago, IL 60606-3182.

Milestone

In addition to the required General Education courses in Math and English, completion of IRXT 111 with a 2.5 or higher is a key component for success in completing this program. Knowledge obtained in these courses is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in these courses.

Additional Information

This is a selective admission program. In order to be considered as a candidate for this program, students must meet basic admission requirements beyond those required for admission to the college. Courses listed below in Semesters I and II must be completed or in progress by the May 1 Radiologic Technology Program admission application deadline. Students must achieve a minimum grade of 2.5 in each of the courses required for admission to the program. Students are admitted for the fall semester only. Once admitted, a student may not begin a new semester in the Radiologic Technology Program until they have successfully completed all of the IRXT courses listed in the previous sequenced semester with a minimum grade of 2.5.

Contact Information

The admission and/or graduation requirements for this program may change each academic year. The program requirements below apply only to those students who have been admitted to the program for the 2023/2024 academic year. For further information, including career options, admission requirements, course substitutions and waivers, etc., contact the Radiologic Technology Program, Health and Human Services Building, Room 108, telephone number 517-483-1410, or the Academic Advising Department, Gannon Building – StarZone, telephone number 517-483-1904.

General Education – Applied Degrees

- English Composition or Applied English
Program of Study Required Courses for Admission will meet this requirement.
- English Composition (second course)/Communication or Applied Communication

- Program of Study Required Courses for Admission will meet this requirement.
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences
Program of Study Required Courses for Admission will meet this requirement.
 - Mathematics or Applied Mathematics
Program of Study Required Courses for Admission will meet this requirement.
 - Natural Sciences Lab or Applied Science and Technology Lab
Program of Study Required Courses for Admission will meet this requirement.

Program of Study Required Course for Admission

Course Code	Course Title	Credit / Billing Hours
CHSE 117	Health Law and Ethics	2 / 2
CHSE 120	Medical Terminology	4 / 4

Program of Study Required Courses for Admission, Limited Choice – English

Composition or Applied English – *Select one. This course will satisfy the General Education English Composition or Applied English requirement.*

Course Code	Course Title	Credit / Billing Hours
ENGL 121	Composition I	4 / 4
ENGL 122	Composition II	4 / 4
ENGL 131	Honors Composition I	4 / 4
ENGL 132	Honors Composition II	4 / 4

Program of Study Required Courses for Admission, Limited Choice – English

Composition (second course)/Communications – *Select one. This course will satisfy the General Education English Composition (second course)/Communications requirement.*

Course Code	Course Title	Credit / Billing Hours
COMM 110	Communication in the Workplace	3 / 3
COMM 120	Dynamics of Communication	3 / 3
COMM 130	Fundamentals Public Speaking	3 / 3
COMM 240	Interpersonal Communication	3 / 3

Program of Study Required Courses for Admission, Limited Choice – Humanities

and Fine Arts or Social Sciences or Applied Social Sciences – *Select one. This course will satisfy the General Education Humanities and Fine Arts or Social Sciences or Applied Social Sciences requirement. (Any course from the General Education Humanities and Fine Arts or Social Sciences or Applied Social Sciences may also be selected.)*

Course Code	Course Title	Credit / Billing Hours
COMM 280	Intercultural Communication	3 / 3
SOCL 120	Introduction to Sociology	4 / 4
SOCL 260	Race and Ethnicity	3 / 3

Program of Study Required Courses for Admission, Limited Choice – Mathematics –

Select one. This course will satisfy the General Education Mathematics or Applied Mathematics requirement. (Any course from the General Education Mathematics College Algebra category may also be selected.)

Course Code	Course Title	Credit / Billing Hours
MATH 119	Math - Applications for Living	4 / 4
MATH 120	College Algebra	4 / 4
STAT 170	Introduction to Statistics	4 / 4
STAT 215	Intro to Probability and Stats	4 / 4

Program of Study Required Course for Admission, Limited Choice – Natural

Sciences Lab – *Select BIOL 145 or, BIOL 201 and BIOL 202. This course will satisfy the General Education Natural Sciences Lab or Applied Science and Technology Lab requirement.*

Course Code	Course Title	Credit / Billing Hours
BIOL 145	Intro Anatomy and Physiology	4 / 6
BIOL 201 and 202	Human Anatomy and Human Physiology	8 / 11 (total)

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
IRXT 105	Introduction to Imaging	2 / 2
IRXT 111	Radiographic Positioning I	6 / 6
IRXT 112	Radiographic Positioning II	6 / 6
IRXT 116	Patient Care in Radiography	2 / 2.5
IRXT 140	Image Analysis	2 / 2
IRXT 144	Digital Imaging and Exposure	2 / 2
IRXT 170	Clinical Practice I	4 / 4
IRXT 172	Clinical Practice II	6 / 6
IRXT 200	Intro to Radiologic Pathology	2 / 2
IRXT 214	Comprehensive Experience I	6 / 6
IRXT 215	Comprehensive Experience II	6 / 6
IRXT 222	Radiobiology and Protection	2 / 2
IRXT 224	Radiologic Physics	4 / 4
IRXT 280	Radiologic Tech Board Review	2 / 2

Program of Study Recommended Course

Course Code	Course Title	Credit / Billing Hours
IRXT 240	Sectional Anatomy	2 / 2

Minimum Total Credit Hours

76 credits / 78.5 billing hours

Recommended Course Sequence

Semester I
BIOL 145 or (BIOL 201 and BIOL 202)
COMM 110, 120, 130, or 240
MATH 119, MATH 120, STAT 170, or STAT 215 (or any Gen Ed - Math College Algebra course)

Semester II
CHSE 117
CHSE 120
COMM 280, SOCL 120 or SOCL 260 (or any Gen Ed - Humanities and Fine Arts or Social Sciences or Applied Social Sciences course)
ENGL 121, 122, 131, or 132

Semester III (Fall)
IRXT 105
IRXT 111 – Milestone course
IRXT 116

Semester IV (Spring)
IRXT 112
IRXT 140
IRXT 144
IRXT 170

Semester V (Summer)
IRXT 172
IRXT 240 (Recommended)

Semester VI (Fall)
IRXT 214
IRXT 222
IRXT 224

Semester VII (Spring)
IRXT 200
IRXT 215
IRXT 280

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.