

LANSING COMMUNITY COLLEGE

Health & Public Services

Curriculum Code: 0196
(Effective Fall 2018 –
Summer 2020)

Radiologic Technology A.A.S. Pathway

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.

Admission Requirements

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. BIOL 201 and BIOL 202, CHSE 117, and MATH 121 or higher (or STAT 170 or STAT 215) must be completed or in progress by the May 1 Radiologic Technology Program admission application deadline. Although not required, it is strongly recommended that students also complete all General Education Core requirements before entry into 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 she or he has successfully completed all of the IRXT courses listed in the previous sequenced semester with a minimum grade of 2.5.

For More 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 2018/2019 academic year. For the most current and complete information, interested students should 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.

Semesters I and II: To Be Determined By Student	Course Title	Prerequisites	Credit/Billing Hours
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Program of Study Requirements for Admission

BIOL 202 also satisfies the Science Core Area requirement.

BIOL 201	Human Anatomy	Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	4 / 6
BIOL 202	Human Physiology	Minimum 2.0 in BIOL 201 or concurrently and Reading Level 5 and Writing Level 6 and (Math Level 5 or minimum 2.0 in MATH 109 or STAT 170 or concurrent enrollment in MATH 119)	4 / 5
CHSE 117	Health Law and Ethics	Reading Level 5 and Writing Level 4	2 / 2

Program of Study Requirement for Admission - <i>Select 1</i>			
<i>This selection satisfies the Math Core Area requirement. A MATH course higher than 121 may also be selected.</i>			
MATH 121	Precalculus I	(Minimum 2.5 in MATH 109 or MATH 112 within 2 years) or (SAT Math 550 or ACT Math 22 or CPT College Level Math 55 within 2 years) and Reading Level 5 and Writing Level 4	4 / 4
STAT 170	Introduction to Statistics	(Minimum 2.0 in MATH 105 or MATH 106 or above or Math Level 5) and Reading Level 5 and Writing Level 4	4 / 4
STAT 215	Intro to Probability and Stats	(Minimum 2.0 in MATH 120 or above or Math Level 7) and Reading Level 5 and Writing Level 4	4 / 4
Program of Study Requirement – Completion Recommended Prior to Admission - <i>Select 1</i>			
<i>This selection also satisfies the Communication Core Area.</i>			
COMM 110	Oral Comm in the Workplace	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
COMM 120	Dynamics of Communication	Reading Level 5 and Writing Level 6	3 / 3
COMM 130	Fund of Public Speaking	Reading Level 5 and Writing Level 6	3 / 3
General Education Core Requirements – Completion Recommended Prior to Admission			
Writing Core Area - <i>Select 1</i>			
ENGL 121	Composition I	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	4 / 4
ENGL 122	Composition II	Minimum 2.0 in ENGL 121 (formerly WRIT 121) or ENGL 131 (formerly WRIT 131) or (Reading Level 5 and Writing Level 8)	4 / 4
ENGL 131	Honors Composition I	Reading Level 5 and Writing Level 7	4 / 4
ENGL 132	Honors Composition II	Reading Level 5 and Writing Level 8 and Minimum 3.5 in ENGL 121 or ENGL 131	4 / 4

Global Perspectives and Diversity Core Area - <i>Select 1</i>			
COMM 280	Intercultural Communication	Reading Level 5 and Writing Level 6	3 / 3
HUMS 214	World Civilizations from 1600	Reading Level 5 and Writing Level 6	4 / 4
SOCL 120	Introduction to Sociology	Reading Level 5 or (Reading Level 4 and ENGL 099 concurrently)	4 / 4
Credits			24-25 / 27-28
Semester III Fall 2018	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
IRXT 105	Introduction to Imaging	Reading Level 5 and Writing Level 6 and (Minimum 2.0 in MATH 122 or STAT 170 or STAT 215 or Math Level 5) and Admission to the Radiologic Technology Program	3 / 3
IRXT 111	Radiographic Positioning I	Admission to Radiologic Technology Program	5 / 5
IRXT 116	Patient Care in Radiography	Admission to Radiologic Technology Program	4 / 4
Credits			12 / 12
Semester IV Spring 2019	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
IRXT 112	Radiographic Positioning II	Minimum 2.5 in IRXT 111	5 / 5
IRXT 140	Image Analysis	Minimum 2.5 in IRXT 111	2 / 2
IRXT 144	Digital Imaging and Exposure	Minimum 2.5 in IRXT 105	2 / 2
IRXT 170	Clinical Practice I	Minimum 2.5 in IRXT 111	4 / 4
Credits			13 / 13
Semester V Summer 2019	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
IRXT 172	Clinical Practice II	Minimum 2.5 in IRXT 170	6 / 6
Credits			6 / 6

Semester VI Fall 2019	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
IRXT 214	Comprehensive Experience I	Minimum 2.5 in IRXT 172	6 / 6
IRXT 222	Radiobiology and Protection	Minimum 2.5 in IRXT 105	2 / 2
IRXT 224	Radiologic Physics	Minimum 2.5 in IRXT 105	4 / 4
Credits			12 / 12
Semester VII Spring 2020	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
IRXT 200	Intro to Radiologic Pathology	Minimum 2.5 in IRXT 105	2 / 2
IRXT 215	Comprehensive Experience II	Minimum 2.5 in IRXT 214	6 / 6
IRXT 280	Radiologic Tech Board Review	Minimum 2.5 in all previous IRXT courses	2 / 2
Credits			10 / 10
Total Credits			77-78 / 80-81