

## Radiography (X-ray)

### Associate of Applied Science

The radiography program offers the student the knowledge and skills for utilizing radiation in the diagnosis of disease under the direction of a physician. Most radiographers work in hospitals, medical clinics, and private medical offices, while some are employed in industrial, sales, governmental, and educational institutions.

The five semester program (which does not include the prerequisite courses) combines academic study with supervised clinical experience. Graduates of the program will receive an Associate of Applied Science degree and be eligible to take the national certifying examination of the American Registry of Radiologic Technologists. Upon passing the examination, a student is certified as a registered radiologic technologist.

The Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182 ([www.jrcert.org](http://www.jrcert.org)), through its accreditation of the program in radiography at LCCC, has established a maximum number of students selected each year for the program based on clinical site availability. Most students are employed immediately upon graduation from the program. Bachelor's and master's degrees are also available in the field. The program begins a new class each fall.

A student interested in applying for the radiography program may contact the Radiography Program Director, Clinical Coordinator, or the Admissions Office for specific procedures, including placement tests, which must be completed in the early spring for admission to the program in the fall semester. Selection of new students will be completed by early April and is based on a student's grade point average, prerequisites completed, the date of receipt of application, and other criteria as noted in the program application materials.

Laramie County Community College does not discriminate on the basis of race, color, national origin, sex, age, religion, political affiliation, or disability in admission or access to, or treatment or employment in, its education programs or activities.

**This curriculum is for students entering the program in Fall 2016 and after, pending JRCERT approval. For students applying for acceptance into the program for Fall 2015, refer to the course requirements listed in the 2013-2014 catalog.**

*The following prerequisite courses must be in progress or completed with a grade of "C" or better by the application deadline (March 1) for the radiography program. Students are encouraged to contact the radiography program faculty directly for program-specific questions.*

	Course	Title	Credits
	HLTK 1200 <sup>^</sup>	Medical Terminology	2
	ZOO 2015 <sup>^</sup>	Human Anatomy <sup>1</sup>	4
	ZOO 2025 <sup>^</sup>	Human Physiology <sup>1</sup>	4
GenEd: QR	MATH 1400+	College Algebra <sup>1</sup>	3
<b>Additional 1st Semester Course</b>			
GenEd: CS	COLS 1000 <sup>▼</sup>	Choose from approved College Seminar courses.	3
			<b>Semester Credits</b>
			<b>16</b>
<b>Fall I</b>			
	RDTK 1503*	Introduction to Radiography	4
	RDTK 1520*	Radiographic Patient Skills	1
	RDTK 1620*	Radiation Biology and Protection	3
GenEd: WY	USWY <sup>▼</sup>	Choose from approved U.S./Wyoming Constitution courses.	3
GenEd: CV	CO/M 2010* <sup>^</sup> ▼	Public Speaking	3
GenEd: CW	ENGL 1010* <sup>+</sup> ▼	English I: Composition	3
			<b>Semester Credits</b>
			<b>17</b>
<b>Spring I</b>			
	RDTK 1610*	Radiographic Imaging I	3
	RDTK 1611*	Radiographic Imaging I Lab	1
	RDTK 1583*	Radiographic Procedures I	3
	RDTK 1584*	Radiographic Lab I	1
	RDTK 1590*	Clinical Education I	4
			<b>Semester Credits</b>
			<b>12</b>
<b>Summer I</b>			
	RDTK 1683*	Radiographic Positioning II	3
	RDTK 1684*	Radiographic Lab II	1

Clinical: Last 7-8 weeks, 10-12 hours/week = 70 hours<sup>2</sup>

Clinical: TTh, 12 hours/week = 180 hours<sup>2</sup>

	RDTK 1713*	Clinical Education II Clinical: MWF 24 hours/week = 192 hours + 20 shiftwork hours = 212 hours <sup>2</sup>	4
			<b>Semester Credits</b>
			<b>8</b>
<b>Second Year</b>			
<b>Fall II</b>			
	RDTK 2583*	Radiographic Positioning III	3
	RDTK 2584*	Radiographic Lab III	1
	RDTK 2623*	Radiographic Equipment, Digital Imaging, and Quality Assurance	3
	RDTK 2624*	Radiographic Lab IV	1
	RDTK 2510*	Clinical Education III Clinical: First 4 weeks, MTWTHF = 29 hours/week + Last 11 weeks, MWF = 21 hours/week = 325 hours <sup>2</sup>	7
			<b>Semester Credits</b>
			<b>15</b>
<b>Spring II</b>			
	RDTK 2630*	Radiographic Pathology	1
	RDTK 2603*	Survey of Technical Specialties	2
	RDTK 2900*	Radiography Seminar	4
	RDTK 2613*	Clinical Education IV Clinical: MWF = 21 hours/week = 315 hours <sup>2</sup>	7
			<b>Semester Credits</b>
			<b>14</b>
			<b>Total Credits</b>
			<b>82</b>
			<b>Total Clinical Hours</b>
			<b>1,102</b>

\* This course has at least one prerequisite. Check the Course Descriptions section of the catalog to see the course prerequisites.

+ If the placement test score is not adequate for course enrollment, students must complete the appropriate developmental course(s) before enrolling. These courses may increase the total number of program credits. Students should review their math and writing placement with their advisor before planning out their full program schedules.

∨ Indicated course may be taken prior to program admission however all courses must be completed before or during the semester progression as indicated.

<sup>1</sup> Science and math courses must be five years current.

<sup>2</sup> Clinical hour totals are approximate and may vary slightly because of scheduled college holidays/planning days.

#### ^ Program Comments

Students should take ZOO 2015 and ZOO 2025 however ZOO 2010 and ZOO 2020 may be accepted. Additional prerequisites apply for this option.

For students planning to enter the program in Fall 2016 (catalog year 2016-2017), MATH 1000 Problem Solving will be accepted although MATH 1400 is strongly encouraged. For the class entering Fall 2017 (catalog year 2017-2018), MATH 1400 will be required. For students planning on completing a Bachelor's degree in the future, MATH 1400 College Algebra is strongly encouraged. CO/M 1030 completed prior to or during the 2015-2016 academic year will satisfy the CV requirement for **AAS degrees only** for programs started during the 2015-2016 and 2016-2017 academic years. Beginning with the 2017-2018 academic year (catalog), CO/M 1030 will no longer satisfy the CV requirement for any degree.

#### Other Information

Additional Supplemental courses not required but may be taken to improve a student's application score include: PSYC 1000, PHYS 1050, and HLTK 2300.

HLTK 2300	3 credits	Health Care Ethics
PSYC 1000	3 credits	General Psychology
PHYS 1050	4 credits	Concepts of Physics

Prerequisites and other courses in the radiography curriculum are only eligible for transfer credit from regionally accredited institutions and/or JRCERT-accredited programs. Students seeking advanced standing will be evaluated on an individual basis and may be required to take competency examinations monitored by the faculty to determine the level at which the student will enter the program. Official transcripts will be required. All transcripts will be evaluated by LCCC's registrar and the radiography program director for transfer credit and/or advanced placement, as applicable.

#### Drug Screening and Criminal Background Checks

All allied health students are required to submit a pre-clinical urine drug screen according to the policy of the Allied Health Programs at LCCC. The drug screen is completed after a student's program acceptance and at the student's expense.

At their discretion, clinical sites may also require a drug screening and/or a criminal background check prior to allowing students into the clinical setting. (If required, any associated fees will be the responsibility of the student.) In addition, LCCC and the clinical sites may require random drug testing and/or drug testing for reasonable cause. Generally, the urine drug test screens for alcoholic beverages, illegal drugs, or drugs that impair judgment while in the clinical agency. Testing positive on the screening or evidence of tampering with a specimen will disqualify a student from participation from clinical assignment.

In addition to drug screening, for the safety of patients and health care workers, allied health workers must also undergo a background check performed at the student's expense. The student's acceptance will not be final until LCCC has received background check information from the reporting agencies, and the background check is clear of disqualifying offenses. For more information, please see the complete School of Health Sciences & Wellness Policies for Allied Health Students posted on the school website. Certain criminal activities, as evidenced by a criminal background check, may also disqualify a student from clinical participation.

Students are advised that the inability to gain clinical education experiences can result in the inability to meet program objectives and outcomes. These circumstances may prevent acceptance into and/or progression through the program and may ultimately result in dismissal from the program.

NOTE: Applicants who have been convicted of a felony (or have pled guilty or nolo contendere to a felony) should request a copy of a letter concerning his/her eligibility status for licensure from the Wyoming State Board of Radiologic Technologist Examiners and the American Registry of Radiologic Technologists. The Wyoming State Board of Radiologic Technologist Examiners can deny licensure if the Board feels that such denial is in the public's interest. The American Registry of Radiologic Technologists can also deny certification for the same reason.