

# **Radiologic Technology**

## **Frequently Asked Questions**

Dear Prospective Radiologic Technology Student:

We are pleased that you are considering the Radiologic Technology program. This "Question and Answer" page will answer many of the common questions about the program. It may also raise additional questions which can be answered during a counseling session. We encourage students to contact us with any questions regarding the Radiologic Technology program.

Cordially,

[Jeff Walmsley](#)

Director, Radiologic Technology Program  
Allied Health & Nursing  
Lorain County Community College

As a Radiologic Technologist, you will be responsible for producing a variety of high-quality x-ray examinations. The Radiologic Technology program at Lorain County Community College offers you the opportunity to integrate classroom theory instruction with College laboratory application and hands-on clinical experience in local health care agencies. In the agencies, you will be supervised by a Registered Radiologic Technologist who will provide instruction and guidance in the workplace.

Upon completion of the 21-month program in Radiologic Technology, you will be eligible to take a national certifying examination and then work as a radiographer. Other options beyond graduation include continuing your education in a specialized field of imaging, such as diagnostic medical sonography (DMS), nuclear medicine, radiation therapy, computerized axial tomography (CAT), magnetic resonance imaging (MRI), mammography, and special procedures.

### ***What are the program's mission and goals?***

Mission Statement:

As an integral part of our college, the program in Radiologic Technology accepts the mission, vision and values of Lorain County Community College (LCCC Catalog), and functions within the policies of the college.

Our mission is to provide students with a workable understanding of radiographic procedures, anatomy and physiology, radiation physics, equipment operation, radiation protection, image evaluation, radiologic pathology, and patient care as applied to Radiologic Technology.

*Education and training in these areas will result in a professional practitioner, able to serve the public and assist the physician in his/her diagnosis.*

*We further seek to introduce the broad range of advanced specialty areas in Radiologic Technology to encourage lifelong learning beyond the immediate scope of the program.*

Program Goals:

The program will provide high quality didactic and clinical education in Radiologic Technology.

Outcomes for goal:

Graduates will pass ARRT exam.

Employers will be satisfied with the quality of graduates.

Students/graduates will be satisfied with program quality.

Graduates will obtain jobs as radiologic technologists.

Students who enter the program will complete the program.

Students will learn to become high-quality Radiologic Technologists.

Outcomes for goal:

Students will be able to think critically and solve problems.

Students will achieve good communication skills.

Students will learn professionalism and professional ethics.

Students will become clinically competent.

In keeping with the program goals, the program seeks to emphasize and support the following Four Goals of the Radiography Student:

1. Through education and training, TO BECOME EXCELLENT RADIOGRAPHERS, skilled in the application of science.
1. Through workplace experiences, TO BECOME MODEL EMPLOYEES, prepared to contribute to organizational goals.
1. Using head and heart, TO SHOW COMPASSION AND UNDERSTANDING to patients, families and significant others.
1. Through academic preparation, TO PASS THE ARRT REGISTRY EXAM the first time it is taken.

### ***What personal characteristics are needed to be successful in Radiologic Technology?***

Students who are successful in Radiologic Technology are emotionally mature, academically able, highly motivated, self-disciplined and willing and able to devote a considerable amount of time to their program. They are patient and enjoy working with and serving people. They are able to physically move patients. They are able to follow orders. To expand on this, the following general attributes are necessary for entry level positions in Radiologic Technology.

#### **Verbal**

1. The technologist speaks clearly, concisely, and uses correct vocabulary and grammar for communication with staff, physicians, students, faculty, patients, and the public.
2. The technologist gives clear, audible verbal instructions to patients at a distance of 20 feet from the technologist control area.
3. The technologist explains radiographic procedures to patients in understandable terms.

#### **Written**

1. The technologist clearly writes radiologic readings dictated by the radiologist.
2. The technologist describes in writing various types of incidents that occur to the patient.
3. The technologist writes sentences on patient charts, and requisitions, using correct grammar, spelling, punctuation, sentence structure, and uses appropriate medical terminology.

#### **Visual**

1. The technologist must have sight corrected so as to be able to read and adjust the x-ray control panel, correctly position the patient, observe the patient at a distance of 20 feet, read laboratory results in the patient's chart, read contrast material labels, use a computer and monitor, and evaluate radiographs.

#### **Auditory**

1. The technologist takes blood pressures and will use a stethoscope to hear blood flow.
2. The technologist takes a brief medical history from the patient and will record the verbal responses of the patient.
3. The technologist must have hearing corrected so as to be able to hear a patient/co-worker/physician (any of whom may be wearing a surgical mask) at a distance of 20 feet.

#### **Touch**

1. The technologist will perform venipuncture and take a pulse that require tactile discrimination of veins, and vein walls.
2. The technologist will load and unload film in the darkroom performed by touch.

3. The technologist will palpate the patient for positioning landmarks.

**Body Mechanics and Physical Characteristics**

1. The technologist will move patients by lifting, and sliding.
2. The technologist will push mobile radiographic and fluoroscopic equipment from the radiology department to the operating room, emergency room, and to the patient's room.
3. The technologist will move the patients for proper positioning on the x-ray table.
4. The technologist stands and walks while doing his/her job.
5. The technologist will be able to lift 50 lbs.
6. The technologist has manual dexterity that allows them to manipulate x-ray equipment and adjust the x-ray tube which is at a height of 80 inches above the floor. Other fine motor skills include keyboarding, drawing medications into a syringe, setting up sterile trays for procedures and donning protective apparel.
7. The technologist must be able to react quickly and appropriately in emergency situations.

**Intellectual**

1. The technologist will use algebra in solving technical factor problems.
2. The technologist will use graphs, curves, and numerical tables for determining heat loading and heat dissipation for the safe operation of the equipment.
3. The technologist will use mathematics to determine starting levels in tomography.
4. The technologist will use equipment in quality control requiring direct and reciprocal readings, with some log 10 properties.
5. The technologist will integrate abnormal laboratory test results or patient history with orders for radiographic procedures.

**Mental/Emotional**

1. The technologist uses problem-solving and critical thinking skills to meet challenges in the workplace.
2. The technologist does x-ray procedures in the emergency room and operating room.
3. The technologist must interact with trauma patients, chronically ill patients, acutely ill patients, and terminally ill patients of all ages.
4. The technologist provides service to all patients, regardless of age, sex, race, national origin, religion, physical condition, or disease process.
5. The technologist is sensitive to the needs of a culturally diverse patient population.
6. The technologist must be able to demonstrate calm and reasoned judgment.
7. The technologist must be able to follow instructions completely.
8. The technologist has the ability to retain and apply previously learned material.

**Ethical/Professional**

1. The technologist must demonstrate honesty and integrity in all matters.
2. The technologist must protect the privacy of patients.
3. The technologist must be professional, discreet, reliable and dependable.

These attributes are also integrated into our educational process in the form of academic and clinical performance objectives. If you feel that because of a learning disability, physical disability, or mental/emotional condition you would have a problem accomplishing these entry level skills, then please make an appointment with the following: an academic counselor, the coordinator of the Office of Special Needs Services, and a faculty member of the Radiologic Technology program. Having a special need may not preclude you from entering the program. We have had successful graduates with special needs.

***How do I apply to the program? Am I eligible to apply?***

Before you can apply to the Radiologic Technology program at LCCC:

1. You must have your High School transcript or GED on file at LCCC.
2. You must take the Compass test and complete any required developmental courses.
3. If you have attended college elsewhere, you must have copies of all transcripts from other colleges on file at LCCC. Additionally, you must fill out a Transcript Evaluation Request form and the evaluation must be completed. Transfer students must also have a GPA audit performed. If you indicated a health field major on the Transcript Evaluation Request form, this audit will be completed automatically. If your transcript was evaluated before you were interested in a health field major, you will need to have the GPA audit initiated by contacting the Connections Center. The transcript evaluation and GPA audit will take up to four weeks after the arrival of your transcripts at LCCC.
4. You must have a high school algebra background. This can be any one below:
  - a. Compass test places student above MTHM 022
  - b. Compass test below MTHM 022, and complete MTHM 022 or an equivalent math course with a "C"
  - c. Transfer in a MTHM course at or above MTHM 131, or have documentation of completion of a MTHM course equivalent to MTHM 022 with a "C" or higher (even though developmental courses do not transfer to LCCC, your completion of these courses will be documented during the transcript evaluation).
2. You must have a high school lab science background. This can be any one below:
  - a. High School transcript includes a lab science (Biology, Chemistry or Physics) with a grade of "C" or higher
  - b. Complete Biology 121 with a "C" or higher
  - c. Transfer in the equivalent of BIOG 121
3. You must meet with the Radiologic Technology program director.

Before you will be offered a seat in the Radiologic Technology program:

1. You must have a college GPA of 2.5 as of January 5.
2. If more students have applied to the program than the program can accommodate, students who have completed 15 credit hours of Radiologic Technology support courses including Biology 121, Biology 122, and the Math requirement will be offered seats before students who do not have these 15 credit hours of Radiologic Technology support courses completed.
3. After #1 and #2, you will be offered a seat in the program based on your date of application (if 1 seat remains and two applicants have the same date of application, date of application ties will be broken by GPA).

If you do not get into the Radiologic Technology program in the Fall semester: You have 60 days from the start of the Fall semester to go to the Connections Center and complete an Application Renewal form. If you do not file an Application Renewal form, you will be dropped from the application pool.

***Youngstown State University Bachelor of Applied Science in Allied Health***

Youngstown State University (YSU) offers a Bachelor's degree in Allied Health on the LCCC campus. Students must complete 30 credit hours from YSU in the major, but additional courses required by YSU can be completed from LCCC course offerings. Students can begin the LCCC courses while awaiting entry into the clinical sequence in Radiologic Technology. For more information, please contact YSU through the University Partnership Office at LCCC, or speak to a counselor or advisor in the Connections Center.

***What basic academic skills are needed in the Radiologic Technology program?***

Students who are successful in Radiologic Technology have good skills in reading, writing, mathematics and science. A “C” or higher in a high school lab science (biology, chemistry or physics) or equivalent courses at College level are required for application to the program. A Compass Test score on the Math section equivalent to high school algebra or an equivalent course at College level is also required for application.

***What can I do if I have not had these courses or my skills are weak?***

The College offers course work in developmental education if placement testing or high school transcripts indicate a need for remedial work to satisfy those deficiencies. Your counselor can recommend specific courses to fit your situation.

***How long will it take before I can start the clinical portion of my program?***

It is necessary for you to complete a Program Application in the LCCC Connections Center to enter the clinical portion of the program (RDTC courses). The actual length of time it will take to begin the clinical portion of the program depends on the number of people who have submitted Program Applications before you. Sometimes there are more applicants to the Radiologic Technology program than clinical spaces available. We recommend that you do not make major changes in your life, such as quitting a job or moving, until you have been accepted into the clinical portion of the program.

***When does the first Radiologic Technology course begin?***

The first Radiologic Technology courses begin in the fall semester only. All of the Radiologic Technology courses (RDTC prefix) must be taken in sequence.

***How will I know when a clinical place is available?***

You will receive a letter from the Connections Center. There will be a deadline date by which you must respond. Your letter notifying you of a clinical place will give you detailed instructions on the registration process. A physical examination is a requirement for entrance into the clinical part of the Radiologic Technology program.

***Are there drug testing or background checks required by the Radiologic Technology program?***

Students in the Radiologic Technology program may have criminal background checks and/or drug testing performed, either by the program, the division, the college, or by the clinical agency. College or clinical agency policies may make program continuation/completion impossible based on the results of the criminal background check or drug testing. If a student is denied access to a clinical agency based on the results of a background check or drug test, the student will not be placed in another agency. This will make it impossible for the student to complete the program.

***Can I re-enter the program if I withdraw?***

Yes, if you have successfully completed the first semester. Students who withdraw or fail from the program without completing the first Radiologic Technology courses (RDTTC 110 and 114) should immediately file a new Program Application and when their name comes back up on the list another place will be offered to them.

Students who complete the first Radiologic Technology semester or beyond and withdraw or fail should see the Allied Health and Nursing counselor immediately to arrange for re-entry. Proficiency students, re-admits and transfers from other programs are re-admitted only if clinical space is available. This is usually not a problem, but no guarantee of clinical space availability can be made to re-entering students. Students should not withdraw from the program without discussing their situation with the Radiologic Technology faculty and Allied Health and Nursing counselor. Formal withdrawal procedures must be followed.

***What facilities are used for the Radiologic Technology clinical experience?***

The Radiologic Technology program uses hospitals and medical facilities in northern Ohio from Cuyahoga to Erie Counties. The general guide for selection of facilities is that the facility be approximately within a one hour drive from LCCC. For the 2007-08 academic year, the facilities are EMH Regional Medical Center, Community Health Partners, Southwest General Medical Center, St. John West Shore Hospital, MetroHealth Medical Center, and the Cleveland Clinic Foundation. These facilities may change as affiliates are added or deleted from the program.

***Will I do all my training at one hospital?***

No. The vast majority of your training will normally take place at one facility, but special rotations to other facilities are used. This means that you will be assigned to another facility for a period of several weeks, and this may occur more than once during your training.

***Is transportation provided to the hospital?***

No. Students must provide their own transportation.

***Does the college have baby-sitting services?***

Yes. Please call the Child Care Center, ext. 4038.

***What kind of time investment does this program involve?***

The Radiologic Technology program requires a considerable investment of time. The 21 month program requires completion of more than 1,400 hours of clinical education in addition to all classroom and college laboratory time. This means that in addition to classes, your clinical education is equal to thirty-seven 40 hour work weeks. During the clinical education, all learned procedures must be tested and competency must be demonstrated.

***How is the Radiologic Technology program set up?***

- (1) Day lectures are held at the College two or three days a week in the Radiologic Technology major courses. First year classes meet on Monday, Wednesday and Friday and second year classes are on Tuesday and Thursday.
- (2) Day (or evening) college laboratory sessions where you will learn and practice basic procedures with your instructor occur on the same days as the classes in (1).
- (3) Clinical experience is held at the clinical site. In the first year, clinicals are all day on Tuesday and Thursday. During the Summer semester, students will be in clinical for 36 hours per week for ten weeks. During the second year, clinicals occur all day on Monday, Wednesday and Friday. During Summer and the second year of the program, clinicals will include some evening and weekend assignments.
- (4) It is important to have good skills in time management because you must add to your schedule study time, independent library time, and independent practice in the College radiology laboratory.

***Will I have to go to summer school?***

You will be required to take Radiologic Technology 119, Advanced Procedures and Modalities, in the summer between the first and second years of your program; this course includes a 2-hour lecture and 36 hours of clinical education per week for 10 weeks.

***Will I be able to schedule required (non-Radiologic Technology) courses at times near or convenient to my Radiologic Technology classes?***

Because the times Radiologic Technology courses are scheduled cut across many hours, it is often necessary for students to schedule classes at times that are not convenient. Radiologic technology students, for example, may have to take a required course in the evening. See the program schedule of classes on page

***What suggestions do you have that would increase the likelihood of my being successful in Radiologic Technology?***

- First: Make up whatever deficiencies you have in the basic skills of reading, writing, math and science. Your counselor will help you determine these.
- Second: Take as many of the academic support courses (non RDTC) as possible before entering clinical. There is a placement preference given to students who have completed Biology 121, Biology 122, and the Math requirement, so you should make sure that you complete those early. It is required that students achieve at least a grade of "C" in their Mathematics course and in the Biology series. Remember, the academic courses must be taken before, or along with, the Radiologic Technology courses -- not afterward.

Students who are still in high school and placing their name on the waiting list for Radiologic Technology should consider the Post-Secondary Enrollment Option (PSEO) or Credit in Escrow program as a way of taking a few academic courses at the College while they are still in high school. Your high school counselor can advise you if he or she feels this would be a good program for you.

***How much does the program cost?***

Costs of the program include tuition, laboratory and other special fees, application for admission to LCCC, graduation fee, books and uniforms. Additional costs include licensure and testing fees.

As of Fall 2007, based on in-county tuition costs, the total cost of the program including non-major courses is approximately \$7800.

***Is financial aid available for Radiologic Technology students?***

Financial aid is available to qualified students through the Financial Aid Office. Allied Health and Nursing students are urged to make inquiry to determine if they are eligible.

***Are there courses that must be taken before other courses?***

Yes. These courses are called prerequisites and they are marked on the curriculum sheet. Course prerequisites are listed in the College catalog which can be obtained from the Connections Center or purchased in the College Bookstore. Please note: Students who do not meet the prerequisites will not be permitted to continue in the Radiologic Technology program without special permission from the Director of the Division of Allied Health and Nursing.

***Can I work while I am in the program?***

A general College guideline indicates that students taking 12 or more hours (full-time) may work a maximum of 15 to 20 hours per week. Most Radiologic Technology students find that they are not able to work at all (or very little) while they are taking Radiologic Technology courses because of the number of clinical experience hours.

***How many hours of outside study will I need per week?***

A general College guideline indicates that, on an average, students need two to three hours of outside study for each hour in class.

***What accommodations are there for students with special needs?***

The Office for Special Needs exists to serve the needs of students with disabilities - physical, learning and/or emotional. If you are a person with a disability who needs accommodations or assistance, contact the O.S.N.S. located in Room 115 in the Learning Resource Center.  
Phone - ext. 4058

***With what courses should I begin and how many?***

This should be discussed with your counselor, taking into consideration your educational background, work and personal obligations, and when you will enter the clinical part of the Radiologic Technology program. Note that you must meet the criteria listed on the Program Application prior to admission to the program. The first two Biology courses and the Math requirement must be completed to receive preferential seating when there are more applicants than clinical seats, and students need these courses completed prior to entry into the clinical portion of the program to ensure success in the program.

***What additional sources of information are there about Lorain County Community College and the Radiologic Technology program?***

You may contact Mr. Walmsley, the Radiologic Technology Program Director at (440) 366-7197 or 1-800-995-5222, extension 7197, with questions you may still have after reading this booklet. Please feel free to contact Mr. Walmsley at any time to discuss the program. The Allied Health and Nursing Division holds occasional "information nights" for students awaiting entry into programs. You will be notified by mail of these events once you have submitted a Program Application.

***What happens if I become pregnant during the Radiologic Technology program?***

A student who becomes pregnant has the option of declaring their pregnancy to the program director. Students who become pregnant are encouraged, but not required, to declare their pregnancy. In order to be considered pregnant by the program, the pregnant student must declare her pregnancy to the program director in writing. The program director can provide a form to use for this purpose. A student who chooses not to inform the program director of her pregnancy will not be considered pregnant.

Once a student has declared her pregnancy, the program director will review the United States Nuclear Regulatory Guide, (U.S.N.R.G.) 8.13 with the pregnant student. At this time, the student may decide if she wishes to remain in the program. If she does not wish to stay in the program, the student should withdraw and she will be allowed to re-enter the following year in the course from which she withdrew, subject to the re-entry policy.

If the student is placed on any form of medically required limited duty due to her pregnancy (declared or undeclared), the attendance policy rules which address time missed for medical reasons will apply.

***Radiologic Technology Program Schedule***

The schedule on the following pages is *an example* of how a schedule might be put together for a student who is taking all Radiologic Technology (RDTC) and support courses during a 21-month sequence. Although this has been done by a few students in the past, almost all students have completed some, if not many, of the support (non-RDTC) courses before beginning the 21-month sequence of RDTC courses. Students do not have to take the support courses at the times indicated - there are often many other choices of times available for the support courses, and some are offered on the internet or through other distance learning methods. This schedule shows the times that are currently used for scheduling the Radiologic Technology courses, but is not a guarantee that these same times will be used in the future. Please note that when laboratories are offered, multiple sections are indicated on the schedules. Students will enroll in only one section of the laboratory.

***Non-daytime Assignments in Clinical***

During the first two semesters of the program, all clinical experiences occur from 8:00 am - 4:30 pm or 7:30 am - 4:00 pm. During the summer semester all students are scheduled for two weeks of 3:00 pm – 11:30 pm clinical experiences. These experiences are designed to expose the student to different types of exams and trauma patients that occur more frequently during these times. During the last two semesters of the program, students are scheduled for a limited number of 3:00 -11:30 shifts on weekends and occasional daytime weekend shifts, also designed to expose students to trauma radiography. These off-hour experiences are scheduled with the student well in advance, and students can request that they not be scheduled on specific days. The program makes every effort to accommodate the student's schedule, but all students are required to attend these off-hour clinical experiences. At the present time the program schedules students for off-hour shifts (evening and/or weekends) for a total of 168 hours during the 21 months of the program. This represents approximately 11% of all clinical experience hours.

Contact Hours 34

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00		<b>CLINICAL</b>		<b>CLINICAL</b>	
8:30					
9:00			<b>R114 Lab</b>		<b>R114 Lab</b>
9:30			<b>Section</b>		<b>Section</b>
10:00	<b>RDTC 114</b>		<b>D03</b>		<b>D04</b>
10:30					
11:00					
11:30					
12:00					
12:15					<b>R 114 LAB</b>
1:00	<b>RDTC 110</b>		<b>RDTC 110</b>		<b>Section</b>
1:30					<b>D02</b>
2:00					<b>Or</b>
2:15					<b>ALHN 113</b>
2:30			<b>R 114 LAB</b>		
3:00	<b>ALHN</b>		<b>Section</b>		
3:30	<b>112</b>		<b>D01</b>		
4:00	<b>And/Or</b>				
4:30	<b>ALHN 113</b>				
5:00					
5:30		<b>BIOG 121</b>		<b>BIOG 121</b>	
6:00					
6:15					
6:45					
7:00				<b>B 121 Lab</b>	
7:05					
7:30					
8:00					
8:30	<b>MATH 131</b>		<b>MATH 131</b>		
9:00					
9:30					
10:00					

Semester SPRING FIRST YEAR

Contact Hours 35

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00		CLINICAL		CLINICAL	
8:30	RDTC 117		RDTC 117		
9:00					R 116 LAB
9:30					Section
10:00	RDTC 118		RDTC 118		D02
10:30					
11:00					
11:30					
12:00					
12:15					R 116 LAB
1:00	RDTC 116				Section
1:30			R 116 LAB		D03
2:00			Section		
2:15			D01		
2:30					
3:00					
3:30					
4:00					
4:15					
4:30					
5:00					
5:30	CMMC 165	BIOG 122	CMMC 165	BIOG 122	
6:00					
6:15					
6:45					
7:00		B 122 LAB			
7:30					
8:00					
8:30					
9:00					
9:30					
10:00					

Semester SUMMER FIRST YEAR

Contact Hours 38

**Schedule to include evenings and weekends**

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	CLINICAL	CLINICAL	CLINICAL	CLINICAL	CLINICAL
8:30					
9:00					
9:30					
10:00					
10:30					
11:00					
11:30					
12:00					
12:30					
1:00					
1:30			<i>RDTC 119</i>		
2:00					
2:15					
2:30					
3:00					
3:30					
4:00					
4:30					
5:00					
5:30					
6:00					
6:15					
6:45					
7:00					
7:30					
8:00					
8:30					
9:00					
9:30					
10:00					

Semester FALL SECOND YEAR

Contact Hours 37

**Schedule to include evenings and weekends**

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	CLINICAL		CLINICAL		CLINICAL
8:30					
9:00					
9:30					
10:00		RDTC 213		RDTC 213	
10:30					
11:00					
11:30				R 213 LAB	
12:00				Section D03	
12:30					
1:00		RDTC 212		RDTC 211	
1:30					
2:00					
2:15					
2:30					
3:00		BIOG 123		R 213 LAB	
3:30				Section D01	
4:00				R 213 LAB	
4:30				Section D02	
5:00					
5:30		ENGL 161		ENGL 161	
6:00					
6:15					
6:45					
7:00					
7:30					
8:00					
9:00					
9:30					
10:00					

Semester SPRING SECOND YEAR

Contact Hours 38

*Schedule to include evenings and weekends*

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	CLINICAL		CLINICAL		CLINICAL
8:30					
9:00					
9:30					
10:00		RDTC 234		RDTC 234	
10:30					
11:00					
11:30					
12:00					
12:30					
1:00		RDTC 236			
1:30					
2:00					
2:15					
2:30					
3:00		PSYH 151		PSYH 151	
3:30					
4:00					
4:30					
5:00					
5:30		SOCY 151		SOCY 151	
6:00					
6:15					
6:45					
7:00					
7:30					
8:00		ENGL 162		ENGL 162	
9:00					
9:30					
10:00					

**CURRICULUM**  
**Lorain County Community College**  
**Radiologic Technology**  
**Allied Health and Nursing Division**  
**Associate of Applied Science - Curriculum Code 2045**

Course	Course Title	Credits	Lec Hrs. Contact Hrs.	Clinical Hrs. Lab Hrs.		
<b>First Year</b>						
<b>Fall Semester</b>						
**ALHN	112 Introduction to Medical Terminology	1	1	1	0	0
**ALHN	113 Introduction to Patient Care****	1	2	0	2	0
**BIOG	121 Anatomy and Physiology I	4	5	3	2	0
>**MTHM	121 Technical Mathematics I ***	4	4	4	0	0
OR						
>**MTHM	151 College Mathematics##	3	3	3	0	0
>**RDTC	110 Introduction to Radiography	3	3	3	0	0
>**RDTC	114 Radiographic Procedures I	4	21	2	3	16
☆ SDEV	101 College 101	1	1	1	0	0
		17/18				
<b>Spring Semester</b>						
>**BIOG	122 Anatomy and Physiology II	4	5	3	2	0
	CMMC 165 Interpersonal Communication	3	3	3	0	0
>**RDTC	116 Radiographic Procedures II	4	21	2	3	16
>**RDTC	117 Radiologic Equipment	3	3	3	0	0
>**RDTC	118 Imaging Technique and Processing	4	4	4	0	0
		18				
<b>Summer Semester</b>						
>**RDTC	119 Advanced Procedures and Modalities	4	26	2	0	24
		4				
<b>Second Year</b>						
<b>Fall Semester</b>						
>**BIOG	123 Cross-Sectional Anatomy	2	2	2	0	0
	ENGL 161 College Composition I	3	3	3	0	0
>**RDTC	211 Film Critique	2	2	2	0	0
>**RDTC	212 Radiologic Pathology	2	2	2	0	0
>**RDTC	213 Radiologic Imaging Science	5	28	3	1	24
		14				
<b>Spring Semester</b>						
>ENGL	162 College Composition II	3	3	3	0	0
	PSYH 151 Introduction to Psychology	3	3	3	0	0
>**RDTC	234 Trends in Radiology	5	27	3	0	24
>**RDTC	236 Radiobiology and Protection	2	2	2	0	0
	SOCY 151 Introduction to Sociology	3	3	3	0	0
		16				
<b>Total Semester Credit Hours</b>		<b>69/70</b>				

**Notes**

- American Heart Association Healthcare Provider certification is required upon entrance into the program.
- > Indicates that this course requires a prerequisite.
- \*\* Indicates that a grade of "C" (2.00) or better must be earned in order to continue in the program sequence.
- ## Students considering transfer to four-year universities should take MTHM 151.
- \*\*\* Students interested in continuing their education into Sonography should take MTHM 121 instead of MTHM 151.
- \*\*\*\* Students who have STNA status are not required to take ALHN 113.
- OR indicates that a student may select either course which may have an effect on the total credit hours.
- ☆ 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 thirteen or more credit hours.