

# School of Radiologic Technology



# LAKELAND REGIONAL MEDICAL CENTER SCHOOL OF RADIOLOGIC TECHNOLOGY

## WELCOME.....

Welcome to the exciting field of **Radiologic Technology**. As you read through this catalog, you will be taking your first step into a fascinating career in one of today's most vital health care fields.

As a Radiologic Technologist, you are part of a highly educated team of health care professionals who are dedicated to bringing health and well-being to thousands of people. You'll work with some of the most advanced diagnostic equipment available today, and will enjoy the title of *Technologist* in the highest sense of the word.

Radiologic Technology offers limitless opportunities for growth. The education offered at Lakeland Regional Medical Center provides exposure to many Radiologic disciplines including *Diagnostic & Fluoroscopic Imaging, Vascular & Interventional Imaging, Cardiac Imaging, Magnetic Resonance Imaging (MRI), CT Imaging, Mammography, Ultrasound, Radiation Therapy, and Nuclear Medicine*. This exposure will open the door to specialization if you wish to continue your education. The choice is entirely up to you.

Lakeland Regional Medical Center's School of Radiologic Technology is among the finest in its field, and has attained an outstanding reputation throughout the southeast. Unlike large college-based programs, students interact on a one-to-one basis with their instructors. You receive the best education available, under the watchful eyes of professionals.

Although Lakeland Regional Medical Center does not guarantee job placement, the school receives requests for graduating technologists on a regular basis from hospitals, clinics, and physicians throughout the region, and historically all graduates have secured positions in the Radiologic Technology field within three months after graduation.

Indeed, the future is wide open for the health care technologist of tomorrow. And at Lakeland Regional, we're dedicated to giving you all the education and guidance you need to take your place in one of health care's most exciting fields.

### Our Vision

Lakeland Regional Medical Center School of Radiologic Technology, providing the best educational experiences.

### Our Core Purpose / Mission

Graduating individuals with the qualities, knowledge, and competencies necessary to become Registered Radiologic Technologists.

### Our Values & Beliefs

Accountability, Care, Courtesy, Integrity, Stewardship, and Quality

### Our Goals

- Goal 1. Students will demonstrate competence for successful practice as entry level radiographers.
- Goal 2. Students will develop and demonstrate growth, professional ethics, and characteristics of a healthcare practitioner.
- Goal 3. Students will demonstrate abilities in effective communication with staff and patients.
- Goal 4. Students will apply critical thinking and problem solving skills necessary for professional practice.
- Goal 5. The program will help to effectively meet the community need for certified radiographers.

# INTRODUCTION

Radiologic Technology is both an art and a science. The Radiographer today performs an important function in the field of medicine by assisting Radiologists obtain diagnostic images of the human body. Radiologists are physicians who specialize in the use of x-rays and other electromagnetic-spectrum radiations to diagnose and treat disease and traumatic injury.

The role of the **Radiologic Technologist** (or "Radiographer") is varied, and includes providing quality patient care while performing various radiology related procedures. The primary function of a Radiographer is to use x-rays to visualize and record anatomy of the human body. This entails knowledge of:

- \* theories of x-ray production
- \* interaction of photon energy with matter
- \* biological effects of radiation on living cells
- \* anatomy and physiology of the human body
- \* pathology
- \* patient care and nursing skills
- \* exact patient positioning to allow for the visualization of anatomy on a radiograph

## GENERAL INFORMATION

The Lakeland Regional Medical Center School of Radiologic Technology provides a diverse education in radiologic technology and enables graduates to become a registered Radiologic Technologist. The School of Radiologic Technology was organized in 1965 and is sponsored by the hospital.

The Lakeland Regional Medical Center School of Radiologic Technology is accredited by the following agency:

Joint Review Committee on Education in Radiologic Technology (JRCERT)  
20 North Wacker Drive, Suite 2850  
Chicago, Illinois 60606-3182  
(312) 704-5300  
e-mail: mail@jrcert.org

The JRCERT is recognized by the U.S. Department of Education as an approved accrediting agency. The program is also approved by the State Approving Agency for Veterans Training and HEW. Qualified veterans are eligible to apply for financial benefits.

The program is a hospital-based educational program and requires two years of full-time attendance in classroom and clinical courses (3,616 clock hours). Classes begin in the summer of each year. After successful completion of the two-year program, students are issued a certificate of achievement and are eligible to apply for the national examination in Radiologic Technology given by the American Registry of Radiologist Technologists (ARRT). Those who pass the American Registry examination receive a certificate that confers upon the applicant the right to use the title "Registered Technologist in Radiography" or the abbreviation "R.T.(R)" along with their name. This certification is an indication that the individual is qualified to work in the field of ionizing radiation.

The ARRT is a national certifying agency for radiologic technologists recognized by the American Society of Radiologic Technologists (ASRT), the American College of Radiology (ACR), and the American Medical Association (AMA).

## HOSPITAL INFORMATION

### Our Vision

Lakeland Regional Medical Center, creating the best health care experiences

### Our Core Purpose/Mission

Improving lives by delivering exceptional health care

### Our Values & Beliefs

Accountability, Care, Courtesy, Integrity, Stewardship and Quality

Lakeland Regional Medical Center, a not-for-profit facility, has served Lakeland and the surrounding communities for more than 80 years. LRMC is licensed for 851 beds and is accredited by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO).

Lakeland Regional offers some of the most comprehensive and sophisticated care available, from early detection and education programs, to primary and specialized care, and is equipped with a variety of radiographic and diagnostic imaging equipment. The hospital's patients enjoy a wide scope of specialized medical services uncommon in a community of this size

The Department of Radiology incorporates two independent groups of radiologists, and is directed by a director and two managers who act as liaisons between the hospital administration, the radiologists, and staff personnel within the various radiology modalities. Students are under the direct supervision of the Program Director, the Clinical Coordinator, and the Radiology supervisors.

## CLASSROOM AND CLINICAL EDUCATION

After orientation, students are scheduled for approximately ten hours of classroom instruction per week during each quarter of the program. An average of at least 78% or "C" in all courses must be maintained to graduate. Additionally, each student must pass a first-year final examination to progress to the second year, and a second-year final examination to graduate from the program

The grading scale is as follows:

93 - 100%	A
84 - 92%	B
78 - 83%	C
Below 78%	F

After orientation, clinical education courses require approximately 30 hours of scheduled clinical rotations per week. Students are supervised, instructed, and evaluated by staff radiographers, clinical instructors, the clinical coordinator and the program director. Students must show competence in performing specified diagnostic procedures in order to graduate from the program. Students are assigned to different clinical rotations in various clinical settings to allow for adequate exposure and experiences in all areas of Radiologic Technology. Most clinical assignments and rotations are completed at Lakeland Regional Medical Center, however, students are assigned to clinical rotations at clinical affiliate imaging sites outside of the hospital at various times during the two-year course of study.

The clinical grading scale is as follows:

95 - 100%	A
87 - 94%	B
80 - 86%	C
Below 80%	F

### Student Services and Benefits:

The school has a dedicated classroom and a small learning/resource lab for instructional purposes. Students have access to the hospital's radiographic rooms for demonstration and practice labs; access to the hospital's medical library, computer lab, and Internet services for research assignments or projects; use of the school's imaging phantoms and anatomic models; and access to numerous self-study audiovisual and computer aided instructional materials covering all disciplines of Radiologic Technology. Tutoring services are available when requested and scheduled. The hospital's Employee Health Department provides services for medical testing, immunizations, illnesses, or injuries related to the student's clinical assignments while in the radiography program. Students will be referred to their personal physician for any other medically related needs. Students receive the same discount as employees when using the hospital's cafeteria.

### Graduation Requirements:

Requirements to receive a certificate of completion and graduate from Lakeland Regional Medical Center School of Radiologic Technology are as follows:

1. Successfully complete all required didactic and clinical courses.
2. Complete the required senior project.
3. Pass both the first year and second year comprehensive final examinations with at least a 78%.

# SCHOOL BREAKS & HOLIDAYS

The LRMC radiography program operates on a quarter system. Students receive a two-week break between the fall and winter quarter each year near the end of December and a one-week break between the remainder of the program quarters, usually near the end of March, June and September. Additionally, students do not attend class or clinical rotations on the following holidays:

Labor Day  
Thanksgiving Day  
Friday after Thanksgiving  
Good Friday  
Memorial Day  
July 4<sup>th</sup>

## COURSE DESCRIPTIONS

### **RAD 100 – ORIENTATION TO RADIOLOGIC TECHNOLOGY**

This course is an introduction to Radiologic Technology as a profession. Students are given an overview of Radiographic Exposure (density, contrast, detail and definition); X-Ray Production; Basic Radiographic and Medical Terminology; and attend the mandated hospital orientation classes to meet OSHA and JCAHO requirements. *Studied more in depth are the following:*

- History of Radiology
- Hospital Organizations
- Radiology Department organization (general and LRMC specific)
- Professional Regulations and Regulators
- The Role of the Radiographer
- The Role of other Allied Health Professionals in the hospital setting
- Professional and Medical Ethics and Laws
- Human Diversity
- Basic Radiation Protection Practices and Regulations

As part of the course, students are rotated through pre-clinical assignments in the Radiology Department for observation and orientation of the various aspects and functions of the main department. Included in this pre-clinical exposure are practice labs to familiarize students to various patient positions and basic operation of radiographic tubes, tables and control panels.

**Year 1, Quarter 1**  
160 Clock Hours

### **RAD 110 - RADIOLOGIC PATIENT CARE**

This course involves a study of nursing techniques and practices, pharmaceuticals, drug administration, and patient care strategies as they relate to the diagnostic and fluoroscopic practices of patient care during the performance of Radiographic Procedures. *Included in this course are the following components:*

- |   |  |
|---|--|
| * Patient Communication Practices & Communication Techniques            | * Sterile Techniques   |
| * Human Diversity   | * Drug Administration & Code Care                                  |
| * Body Mechanics & Patient  | * Pharmaceuticals  |
| * Transfer Techniques   | * Vital Signs  |
| * Hospital Codes & Emergency Response Techniques                        | * EEG and EKG  |
| * Standard Precautions - to include state mandated AIDS / HIV Education | * Contrast Medias and Contrast Media Reactions, Treatment and Care |
| * Infection Control   | * Mobile Radiography   |
| * Basic First Aid & Care of the Traumatized Patient                     | * Administration of Enemas   |
|   | * IV Therapy Techniques and Practices                              |
|   | * Medical Terminology as related to Patient Care                   |
|   | * Anesthesia   |

**Year 1, Quarter 1 – 66 Clock Hours**

### **RAD 120 – ANATOMY, PHYSIOLOGY, AND RADIOGRAPHIC PROCEDURES I**

This course begins with the study of the development, composition, structure and function, and medical terminology associated with the skeletal system. Following the introductory segment are lecture/audio-visual presentations, demonstrations, and practice labs of the anatomy and positioning (as it relates to radiologic diagnosis and treatment) of the upper and lower extremities, pelvic girdle, shoulder girdle, thorax, and spine. Instruction and demonstration of routine, trauma, and mobile radiographic procedures are included. Presented concurrently with this course is Image Critique and Identification, which includes assessment of image quality (positioning and exposure), and identification of radiographic anatomy and simple pathologies. The necessity of proper radiation protection practices are stressed for any given procedure studied or demonstrated.

**Year 1, Quarter 2**  
114 Clock Hours

### **RAD 121 – ANATOMY, PHYSIOLOGY, AND RADIOGRAPHIC PROCEDURES II**

This course is a study of development, anatomy, physiology, common pathologies, and medical terminology associated with body systems. Included in this course is an introduction to pathology, and the study of the pathologies of the various systems studied during this course. Lecture/audio-visual presentations, demonstrations, and practice labs of radiographic positioning and procedures for each associated system are studied in depth. Presented concurrently with this course is Image Critique and Identification, which includes assessment of image quality (positioning and exposure), and identification of radiographic anatomy and pathologies. The necessity of proper radiation protection practices are stressed for any given procedure studied or demonstrated. *Included in this course of study is the following:*

- Introduction to Pathology
- Cells, Tissues, and Genetics
- Special Senses
- Respiratory System
- Gastrointestinal and Biliary System
- Surgical Procedures

**Year 1, Quarter 3**  
120 Clock Hours

### **RAD 122 – ANATOMY, PHYSIOLOGY, AND RADIOGRAPHIC PROCEDURES III**

This first section of this course involves lecture, demonstration and practice labs of the anatomy, physiology, positioning, and pathology (as it relates to Radiologic diagnosis and treatment) of the skull and facial bones. Instruction and demonstration on routine and trauma procedures are included. The second part of this course is the study of cross-sectional anatomy of the head, chest and abdomen/pelvis. CT and MRI imaging procedures are correlated with the study of associated cross-sectional anatomy. This course is also a continuation of the study of the development, anatomy, physiology, common pathologies, and medical terminology associated with body systems and specialized areas of radiography. Lecture/audio-visual presentations, demonstrations, and practice labs of radiographic positioning and procedures for each associated system or specialized area are studied in depth. Presented concurrently with this course is Image Critique and Identification, which includes assessment of image quality (positioning and exposure), and identification of radiographic anatomy and pathologies. The necessity of proper radiation protection practices are stressed for any given procedure studied or demonstrated. *Included in this course of study is the following:*

- Skull and Facial Bones
- Urinary System
- Pediatric Radiography
- CT and MRI
- First Year Review
- First Year Final

**Year 1, Quarter 4**  
118 Clock Hours

### **RAD 220 – ANATOMY, PHYSIOLOGY, AND RADIOGRAPHIC PROCEDURES IV**

This course is a continuation of the study of the development, anatomy, physiology, common pathologies, and medical terminology associated with body systems and specialized areas of radiography. Lecture/audio-visual presentations, demonstrations, and practice labs of radiographic positioning and procedures for each associated system or specialized area are studied in depth. Presented concurrently with this course is Image Critique and Identification, which includes assessment of image quality (positioning and exposure), and identification of radiographic anatomy and pathologies. This course also includes CT and MRI imaging procedures and are correlated with the study of associated cross-sectional anatomy of the head, neck, chest, abdomen and pelvis. The necessity of proper radiation protection practices are stressed for any given procedure studied or demonstrated.

- Circulatory System
- Nervous System
- Mammography
- Lymphatic System
- Pathology of Skeletal System

**Year 1, Quarter 4**  
80 Clock Hours

### **RAD 230 – RADIOGRAPHIC EXPOSURE I & QUALITY CONTROL**

This course includes lecture and demonstration of the properties of x-ray; film and screen characteristics; sensitometry; quality assurance; film processing; and the production of the latent image. *Included in Radiographic Exposure I & Quality Control are the following:*

- Radiographic Film
- Latent Image Formation
- Sensitometry
- Handling and Storage of Film
- Film Holders and Intensifying Screens
- Radiographic Film Processing
- Processor troubleshooting, maintenance, and quality control
- Film subtraction and copy techniques
- Quality Assurance methods in the Radiography Department

**Year 2, Quarter 5 & 6**  
56 Clock Hours

### **RAD 231 – RADIOGRAPHIC EXPOSURE II**

This course is a comprehensive study of all principles related to radiographic exposure and quality as they relate to density, contrast, detail visibility, definition and distortion as well as their implications in patient exposure. *Included in Radiographic Exposure II are the following:*

- Principles of Exposure math
- Prime qualities and factors in x-ray production
- Purpose, function, and characteristics of grids, beam restrictors, filters, and x-ray tubes including their relationship to radiographic exposure and quality
- Effects of pathologic conditions on radiographic exposure and quality
- Principles of Automatic exposure controls
- Methods of formulating technique charts

**Year 2, Quarter 6**  
84 Clock Hours

### **RAD 240 – RADIOLOGIC PHYSICS**

This course is a comprehensive study of the principles of radiation physics and related x-ray equipment to include:

- Basic atomic structure
- Fundamental units of mass, energy and measurements
- Fundamentals of electricity and magnetism
- Basic principles and function of generators, motors, transformers and rectification
- A comprehensive overview of the x-ray circuit
- The construction, characteristics and functions of x-ray tubes to include heat rating and anode cooling charts
- X-ray production and emission

**Year 2, Quarter 6 & 7**  
86 Clock Hours

### **RAD 241 – SPECIALIZED IMAGING MODALITIES**

The first section of this course provides a study of the principles and fundamentals of fluoroscopy, image intensification, tomography, and stereoradiography and the radiographic equipment associated with these specialized imaging modalities. The second segment of this course is a study of Digital Imaging to include Digital Radiography (DR), Computed Radiography (CR), and Digital Fluoroscopy; Computerized Tomographic Imaging (CT); Magnetic Resonance Imaging (MRI); Interventional Radiography (IR); and Ultrasound.

**Year 2, Quarter 7 & 8**  
50 Clock Hours

### **RAD 250 – RADIATION BIOLOGY AND RADIATION PROTECTION**

This course involves an in depth study of the following components of radiation biology and protection:

- Fundamentals of Radiation:  
Properties and characteristics; types; units and dosages (RAD, REM, R); and production of and interactions with matter
- Principles of Radiobiology:  
Cellular composition and structure; cell division; L.E.T. and R.B.E.; radiosensitivity and radioresistance; direct and indirect target theory; somatic and genetic effects; dose effect curves; acute and chronic exposure factors; radiation syndromes
- Regulations in the Work Environment:  
Advisory groups for radiation protection; dose equivalent limits; ALARA principle; barriers and regulatory standards; warning signs; State licensing and/or certification regulations
- Protection of Patient and Radiographer:  
Shielding devices, time and distance; fluoroscopic considerations; filtration; coning; and half-value layers
- Radiation Monitoring Devices:  
Film, TLD, & OSL badges; Geiger counters; ionizations chambers; Victoreen R meters

**Year 2, Quarter 8**  
72 Clock Hours

### **RAD 260 – SENIOR REVIEW I**

This course is an intensive review of all courses taken during the two year Radiography program in order to prepare the student for the Program final examination and the National Registry Examination. As part of this course the student will attend a Registry Review Seminar and complete review workbooks covering all materials studied in the radiography program.

**Year 2, Quarter 7**  
24 Clock Hours

### **RAD 261 – SENIOR REVIEW II**

This course is a continuation of Senior Review I. To pass this course students must pass the program's Final Examination with at least a 78% in order to graduation from the Radiography Program.

**Year 2, Quarter 8**  
34 Clock Hours

### **SENIOR PROJECT**

During the second year, each student is required to either write a research paper on a Radiology related subject, or prepare a free-standing exhibit depicting some aspect of Radiology to be submitted for competition at the Florida Society Radiologic Technologists (FSRT).

### **MEDICAL TERMINOLOGY**

Medical Terminology is not a separate course but is integrated into and taught concurrently with Orientation to Radiologic Technology, Patient Care, and Anatomy, Physiology, and Radiographic Procedures I, II, III, & IV. This course includes terminology specific to anatomy, physiology and diseases of each system; body positioning and planes; prefixes and suffixes; and hospital terminology.

**Year 1 & 2**

### **IMAGE IDENTIFICATION, CRITIQUE & PATHOLOGY**

Image Identification, Critique, and Pathology are not offered as separate courses, but are integrated into and taught concurrently with Orientation to Radiologic Technology and Anatomy, Physiology, and Radiographic Procedures I, II, III, & IV. The course includes an extensive slide and radiographic image presentations of pathologies related to each system and instruction in radiographic image identification of anatomy and assessment of image quality of all procedures as related to each system studied.

**Year 1 & 2**

### **RADC 110 - CLINICAL PRACTICUM I (Modules 1 & 2)**

This course is the practical application of subject matter taught in the classroom setting. Demonstration of knowledge and/or competence in various procedures or processes is required and is outlined in the clinical education handbook. Emphasis during this term includes the following:

- radiographic/fluoroscopic equipment and accessories
- assessment of the patient to includes basic vital functions
- emergency responses to various patient distresses
- implementation and use of proper body mechanics to move and/or transfer patients
- orientation rotations in the radiology office and technical area
- orientation rotations in diagnostic imaging rooms

**YEAR 1, Quarter 1**  
192 Clock Hours

### **RADC 120 - CLINICAL PRACTICUM II (Modules 3 & 4)**

This course is the practical application of subject matter taught in the classroom setting. Demonstration of knowledge and/or competence in various procedures or processes is required and is outlined in the clinical education handbook. Emphasis during this term includes the following:

- radiographic/fluoroscopic equipment and accessories
- advanced assessment of patient status, with the ability to respond appropriately to patient distress situations
- venipuncture
- radiography of the upper extremities, lower extremities, and shoulder girdle
- bedside radiography of the extremities

**YEAR 1, Quarter 2**  
338 Clock Hours

### **RADC 130 - CLINICAL PRACTICUM III (Modules 5 & 6)**

This course is the practical application of subject matter taught in the classroom setting. Demonstration of knowledge and/or competence in various procedures or processes is required and is outlined in the clinical education handbook. Emphasis during this term includes the following:

- radiography of the pelvis and spine
- fluoroscopic procedures of the Gastrointestinal and Biliary Systems
- emergency department radiography of upper extremities, lower extremities, shoulder girdle, pelvis and spine
- bedside radiography of the chest, abdomen and extremities

**YEAR 1, Quarter 3**  
356 Clock Hours

### **RADC 140 - CLINICAL PRACTICUM IV (Modules 7 & 8)**

This course is the practical application of subject matter taught in the classroom setting. Demonstration of knowledge and/or competence in various procedures or processes is required and is outlined in the clinical education handbook. Emphasis during this term includes the following:

- fluoroscopic procedures of the Urinary System
- emergency department and trauma services radiography of upper extremities, lower extremities, shoulder girdle, pelvis and spine
- surgical radiographic procedures
- radiography of the skull and facial bones

**YEAR 1, Quarter 4**  
342 Clock Hours

**RADC 210 - CLINICAL PRACTICUM V (Modules 9 & 10)**

This course is the practical application of subject matter taught in the classroom setting. Demonstration of knowledge and/or competence in various procedures or processes is required and is outlined in the clinical education handbook. Emphasis during this term includes the following:

- fluoroscopic procedures of the Gastrointestinal System, Urinary System, Biliary System, and Reproductive System
- surgical radiographic procedures
- maintenance and review of skills in patient assessment, charting and patient education
- assistance with patient care activities to include suture removal, wound, eye and ear irrigations, ace bandage wrapping, and application of dressings
- radiography of the skull and facial bones
- advanced imaging modalities to include Ultrasound, Magnetic Resonance Imaging, and Computed Tomography

**YEAR 2, Quarter 5**  
322 Clock Hours

**RADC 220 - CLINICAL PRACTICUM VI (Modules 11 & 12)**

This course is the practical application of subject matter taught in the classroom setting. Demonstration of knowledge and/or competence in various procedures or processes is required and is outlined in the clinical education handbook. Emphasis during this term includes the following:

- surgical radiographic procedures
- radiography of the skull and facial bones
- maintenance of skill in radiography of extremities, pelvis, shoulder girdle and spine
- Advanced imaging modalities to include Ultrasound, Magnetic Resonance Imaging (MRI), Computed Tomography (CT), Cardiac Imaging, Vascular and Interventional Imaging, and Radiation Therapy

**YEAR 2, Quarter 6**  
346 Clock Hours

**RADC 230 - CLINICAL PRACTICUM VII (Modules 13 & 14)**

This course is the practical application of subject matter taught in the classroom setting. Demonstration of knowledge and/or competence in various procedures or processes is required and is outlined in the clinical education handbook. Emphasis during this term includes the following:

- radiography of the skull and facial bones
- Advanced imaging modalities to include Ultrasound, Magnetic Resonance Imaging (MRI), Computed Tomography (CT), Cardiac Imaging, Vascular and Interventional Imaging, and Radiation Therapy
- surgical radiographic procedures
- maintenance of previous competencies passed

**YEAR 2, Quarter 7**  
350 Clock Hours

**RADC 240 - CLINICAL PRACTICUM VIII (Modules 15 & 16)**

This course is the practical application of subject matter taught in the classroom setting. Demonstration of knowledge and/or competence in various procedures or processes is required and is outlined in the clinical education handbook. Emphasis during this term includes the following:

- completion of all competencies required by the Radiography Program
- review, maintenance and improvement of clinical skills learned
- final competency exams

**YEAR 2, Quarter 8**  
306 Clock Hours

**RTE 2949 – RADIOGRAPHY COOPERATIVE EDUCATION**

This is an elective course designed for students in the last quarter of the program who have completed or nearly completed all required clinical competencies and rotations. To enroll in this course, students must gain permission from the program director and be accepted as a student intern by Lakeland Regional Medical Center. Specific course objectives relating to the clinical assignment will be developed for the student to complete.

**YEAR 2, Quarter 8**  
96 – 288 Clock Hours

# TRANSFER OF CREDIT

**Credit for previous education:** Any student transferring from another JRCERT (or the equivalent) approved program into the program at Lakeland Regional Medical Center will be evaluated for acceptance and advanced standing on an individual basis. *All VA students who have had prior training in radiologic technology will be evaluated on an individual basis and credit will be awarded where appropriate. The student and the VA office will be notified of credit awarded*

**Credit for successful completion of the program:** Lakeland Regional Medical Center School of Radiologic Technology has an articulation agreement with Polk State College (PSC) and Hillsborough Community College (HCC). Students entering the program who seek an AAS degree at PSC or an AS degree at HCC are to be granted a block of 55 credit hours from PSC and a block of 54 credit hours from HCC. Students must take a minimum of 20 credits (25% residency credit requirement of the PSC or HCC Radiography Program) from the following list of PSC requirements of HCC requirements to qualify for graduation.

## **PSC requirements**

- ENC1101 College Composition 1
- MAT1033 Intermediate Algebra or higher (Class starting 2012)
  - MAT1105 College Algebra (Class starting **2013**)
- PHI2600 Ethics
- PSY 2012 General Psychology or other Social Science approved for General Education at PSC
- BSC1084C Basic Anatomy and Physiology or BSC2085C and BSC2086C (Class starting 2012)
  - BSC2085C Anatomy and Physiology I (**Class starting 2013**)
  - BSC2086C Anatomy and Physiology II (**Class starting 2013**)
- HLP 1081 Wellness Concepts
- CGS1061C Intro to Computers and Information Systems
- HSC1531 Medical Terminology

## **HCC requirements**

- ENC1101 English Composition I
- PSY 2012 General Psychology
- BSC 1085 Human Anatomy & Physiology I
- BSC 1085L Human Anatomy & Physiology I Lab
- MAC 1105 College Algebra or Higher
- CGS 1000 Introduction to Computers and Tech
- BSC 1086 Human Anatomy & Physiology II
- BSC 1086L Human Anatomy & Physiology II Lab
- General Education Humanities Courses (approved for RTE program)
- Medical Terminology (not required by HCC but to enter LRMC)

Students who transfer more than 8 credits from an institution other than PSC or HCC to LRMC do not automatically qualify for this articulation agreement. They may submit an evaluation of credit from previous institutions to the Registrar at PSC or HCC who will determine if the student can qualify under these articulation agreements.

# ADMISSION POLICIES & PROCEDURES

The application process and requirements for consideration of admission to the program are:

1. Graduation from an accredited high school or the equivalent.
2. Class starting in July 2012, must have an A.A. or A.S. degree or higher or have **completed** all of the necessary requirements to receive a degree upon completion of LRMC Radiography Program at Polk State College (PSC) or Hillsborough Community College (HCC).
3. Submission of a completed program application.
4. Completion of at least one four-hour observation session in the Radiology Department at Lakeland Regional Medical Center. Please read and fill out the observation application found on the Web site in the Student Observation Orientation Handbook.
5. Submission of official sealed transcripts from high school and college.
6. Submission of two references utilizing the program's applicant reference forms.
7. A minimum 2.5 grade point average (GPA) in math and science courses.
8. If you do **not** currently have an A.A., A.S. or higher degree you must have the prerequisite college-level courses from PSC or HCC listed on the previous page with a minimum 2.5 GPA and no lower than a "C" in any given course:
9. If you currently have an A.A., A.S. or higher degree you must have the following prerequisite college-level courses with a minimum 2.5 GPA and no lower than a "C" in any given course:
  - a. **Anatomy & Physiology:**
    - Anatomy & Physiology I & II
  - b. **Intermediate Algebra or College Algebra**
    - College Algebra or higher for class starting **2013**
  - c. **Medical Terminology**
  - d. **Introduction to Computers or Computer Literacy:**  
College-level course in computer basics or computer programming.
  - e. **English Composition**
  - f. **Ethics**
  - g. **General Psychology**
10. Completion of a basic math admissions test. (This test will be administered during the interview process.)
11. Ability to meet the requirements of the school's published Technical Performance Standards.

Upon request, the radiography program director will evaluate transcripts for appropriateness of courses taken. If you have any questions regarding the pre-requisite requirements, please call the program director for guidance.

# FINANCIAL INFORMATION

Application Fee (non-refundable) \$ 25.00

Tuition (\$625.00 / quarter x 8) 5000.00

Payable to Lakeland Regional Medical Center at the beginning on each quarter.

If for any reason a student does not complete the quarter, the tuition refund policy is as follows:

1<sup>st</sup> week 50% refund

After 1<sup>st</sup> week no refund

Background Check, Drug Screening, and Physical (if accepted into the program) completed at Lakeland Regional Medical Center - non-refundable 200.00

## First Years Fees

Books from MBS Direct (approximate cost) 725.00

Supply Fee 50.00

American Society Radiologic Technology membership 30.00

Florida Society of Radiologic Technology membership 30.00

## Second Years Fees

Books from MBS Direct (approximate cost) 300.00

Supply Fee 30.00

American Society Radiologic Technology membership 30.00

CORECTEC on line course 80.00

Graduation Fee 125.00

## *\* Current fees subject to change*

Each student is responsible for his or her own uniforms, room, food, transportation, seminar, personal graduation expenses, and all application fees associated with state and/or national certification examinations.

**American Registry of Radiologic Technologists national certification exam** 200.00

**DOH Florida State License** 50.00

Title IV Funding is **not** available at LRMC School of Radiologic Technology. Second year students are eligible to apply for a scholarship offered by the LRMC Foundation. Scholarships are awarded based on student's grade point average and financial need. Employees of LRMC are eligible for Education Assistance contingent with LRMC Policy 1.32.001.9.

Books are purchased through *MBSDirect*, <http://bookstore.mbsdirect.net/lrmc.htm> prior to the program start date. Information regarding purchasing of books through this distributor will be given to the student after notification of acceptance into the program. Students may have the option of selling their used books back to the book distributing company. Books may also be sold to other students or at the owner's discretion.

Applications are accepted from November 1<sup>st</sup> through February 15<sup>th</sup> of each year. The application fee of \$25.00 must be turned in with your submitted application. Please make the check payable to **Lakeland Regional Medical Center**. **Your application, official sealed copies of high school and college transcripts, and references must be turned in to the school office by the February 15 application deadline.** Prospective students must call 863-687-1100, extensions 3768 or 3769 to schedule the required clinical observation. The required observation must be completed by the interview date (application on-line at [www.lrmc.com](http://www.lrmc.com) ).

Lakeland Regional Medical Center offers equal opportunity in education and employment without regard to race, creed, color, sex, age, religion, marital status, disability, or national origin.

All applicants meeting the minimum requirements for application are interviewed and evaluated by the members of the Student Acceptance Committee for acceptance into the School of Radiologic Technology. Approximately 12 students are accepted into the program each year. Each student accepted will be scheduled for a physical exam, background check, and drug screening by Lakeland Regional Medical Center's Employee Health Department. All required components of this process must be met prior to final acceptance into the program. For more information or for an appointment for observation, please call or write:

**Program Coordinator  
School of Radiologic Technology  
Lakeland Regional Medical Center  
P.O. Box 95448  
Lakeland, FL 33804  
Phone: (863) 687-1100, ext. 3768 or 3769**

**[www.lrmc.com](http://www.lrmc.com)**



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