

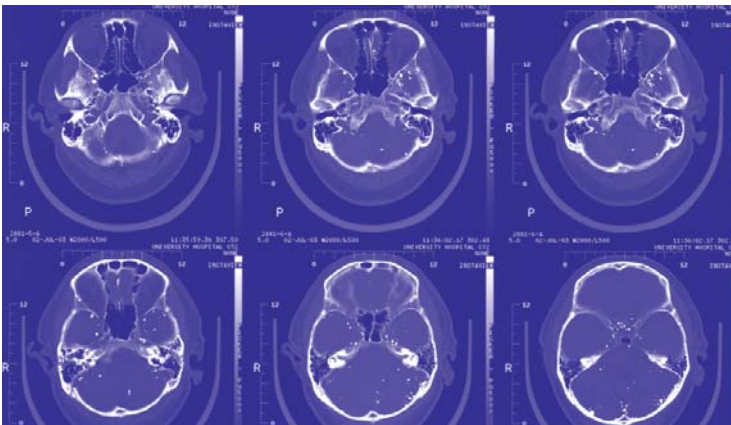
# RADIOLOGIC SCIENCES BACHELOR DEGREE PROGRAM

## *Emphasis in Computed Tomography*

Computed Tomography Technologists use specialized equipment to produce cross sectional images of the human anatomy. Computed Tomography (CT) scanning utilizes numerous x-ray beams and a set of electronic x-ray detectors that rotate around the patient, measuring the amount of radiation being absorbed throughout the patients' body to produce multiple axial images. During the examination the table is moving through the scanner, so that the x-ray beam follows in a spiral path. A special computer program processes this series of pictures, or slices of their body, to create two-dimensional cross-sectional images. CT scans of internal organs, bone, soft tissue and blood vessels provide even greater clarity than conventional x-ray exams which assist in the diagnosis of pathologies such as cancer, cardiovascular disease, infectious disease, trauma and musculoskeletal disorders etc. Computed Tomography technologists are responsible for explaining the procedure and preparing the patients for their examination including starting IV's, documenting the patient's medical history and ensuring that the desired anatomy and pathology is accurately demonstrated. With an advanced imaging education such as Computed Tomography as well as completing a Bachelor of Sciences degree in Radiologic Sciences (BSRS) you will be recognized as a leader in your field.

### **OUR PROGRAM**

BSRS with an emphasis in Computed Tomography, at the University of New Mexico is a degree completion program for those students who would like to finish the last two years of education to gain a bachelor's degree. Aside from the additional course work for the BSRS, the Computed Tomography program consists of three semesters of clinical training and an additional physics/instrumentation class, which leads to a Certificate in Computed Tomography. It is designed to accommodate those technologists who are working while finishing their BSRS. Eligible participants are registered technologists in the field of diagnostic imaging. Students are admitted into the Computed Tomography Program in the fall semester. The program is accredited by the North Central Association of Colleges and Schools, and the Commission on Institutions of Higher Education. Upon successful completion, students are eligible to sit for the national CT certification examination administered by the American Registry of Radiologic Technologists (ARRT).





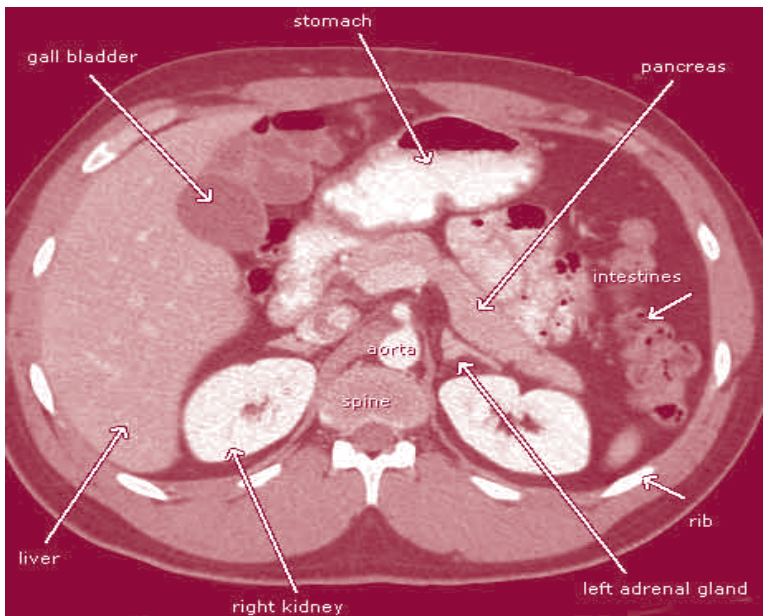
## ADMISSION PROCEDURE

The application deadline for admittance into Computed Tomography Program is June 1st of each year. Program information is provided upon request from the Radiologic Sciences Department in the UNM School of Medicine. Applicants submit completed applications directly to the Radiologic Sciences Program. A separate application to the University of New Mexico is required only if an applicant is accepted into the program. We will invite applicants who appear to be best qualified for an interview with the Program Selection Committee, and final selection is made from the interviewees. The program's selection process does not discriminate against any applicant based on sex, age, race, religion, creed, or national origin.

## ADMISSION REQUIREMENTS

We admit up to six students to the Computed Tomography Imaging Program each year and the majority of applicants accepted are New Mexico residents. Selection criteria include grade point average, completed prerequisites, health care experience, references, and an interview with the Program Selection Committee.

1. Applicant must meet the University of New Mexico admission requirements (refer to UNM Catalog).
2. While competitive grade point averages are usually higher, each applicant must have a minimum cumulative grade point average of 2.5 in post-secondary course work.
3. A completed application, three letters of recommendation, and official transcripts must be received by the Radiologic Sciences Program office by June 1st. Please visit the checklist located on the Radiologic Sciences website for verification of completed application process:  
<http://hsc.unm.edu/som/radiology/RadSciences.shtml>
4. Students participating in the CT program must be certified by the American Registry of Radiologic Technologists (ARRT) or the Nuclear Medicine Technologist Certification Board (NMTCB) prior to admission.
5. The program selection committee will conduct personal interviews with selected student candidates.



## PROGRAM CURRICULUM

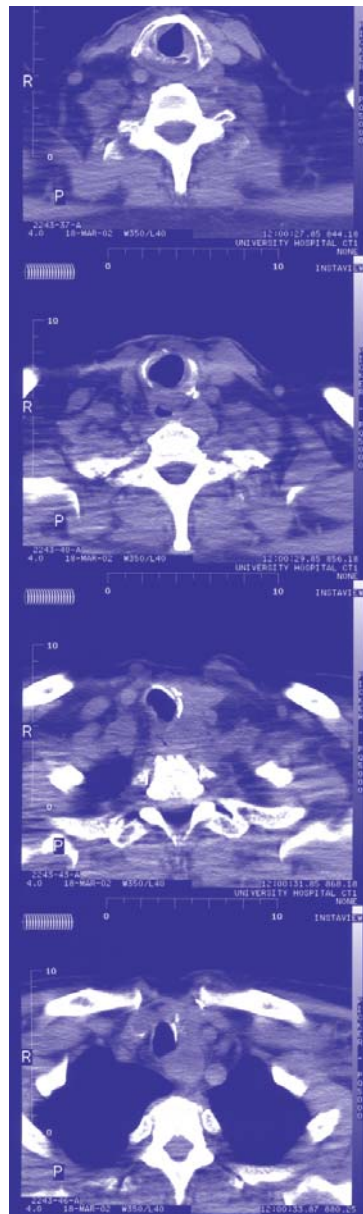
For those who have already completed a certified Radiography program or Nuclear Medicine program, this course work is required to be transferable from another institution. The following curriculum is required for completion of the Radiologic Sciences Bachelor Degree Program with an emphasis in Computed Tomography.

<u>Class</u>		<u>Credit Hours</u>	
ENGL	101	Composition I: Exposition	3
ENGL	102	Composition II: Analysis and Argument	3
MATH	121	College Algebra	3
BIOL	123	Biology for Health Related	4
	and 124L	Sciences and Non-Majors	
BIOL	237	Human Anatomy & Physiology I for The Health Sciences	3
BIOL	247L	Human Anatomy & Physiology Lab I	1
BIOL	238	Human Anatomy & Physiology II for The Health Sciences	3
BIOL	248L	Human Anatomy & Physiology Lab II	1
PSY	105	General Psychology	3
ECON	105	Introductory Macroeconomics	3
ECON	106	Introductory Microeconomics	3
ECON	335	Health Economics	3
CS	150L	Computing for Business Students	3
PHIL	245	Professional Ethics	3
	or 102	Current Moral Problems	
		Sociology Elective from list	
		CJ Elective from list	
		CJ Elective from list	
		Humanities	
		Foreign Language	
		Fine Arts	
HSCI	380	Human Cross Sectional Anatomy, <i>Fall only</i>	
HSCI	406	Medical Imaging Theory III	
HSCI	406	Medical Imaging Theory III	3
HSCI	378	Current Problems I, <i>Spring only</i>	3
HSCI	405	Medical Imaging Theory II, <i>Fall, Spring</i>	3
<b>Total credit hours</b>			<b>75</b>

### Requirements for CT emphasis:

Rad	410	Physics Computed Tomography, <i>Fall only</i>
Rad	420	Computed Tomography Clinical I
Rad	421	Computed Tomography Clinical II
Rad	422	Computed Tomography Clinical III

Course numbers are for UNM. Consult the UNM Catalog for further course descriptions.



### TUITION AND FEES

Tuition for the Radiologic Sciences Bachelor Degree program and CT program is based on current tuition. Please refer to the most recent course catalog.

General UNM information may be obtained by calling:  
1-800-CALL UNM (225-5866).

Consult the UNM Catalog for information on tuition, financial aid, housing, or admission requirements for the University. The Catalog is available at the UNM Bookstore, University of New Mexico, Albuquerque; or online at:  
[www.unm.edu/](http://www.unm.edu/)

To comply with the ADA and the Rehabilitation Act of 1973, UNM provides this publication in alternative formats. If you have special needs and require an auxiliary aid or service please contact the Program office.

*This brochure contains pertinent information concerning the Radiologic Sciences Bachelor Degree Program and CT program and is subject to change without written notice obligation. The Radiologic Sciences Bachelor Degree Program cannot be held responsible for misinterpretation of information.*

RADSCI/CT/PROGRAM-BRO R11/08/08



For further Radiologic Sciences Bachelor Degree and CT program information or application materials, contact:

### **Radiologic Sciences Programs**

Located in the Health Sciences & Services Building  
2nd Floor, Room 217

University of New Mexico  
Albuquerque, New Mexico 87131

Phone: (505) 272-5254

Fax: (505) 272-8079

<http://hsc.unm.edu/som/radiology/RadSciences.shtml>

**Elizabeth J. Greer, M.Ed., R.T. (R)**

*Director*

*Radiologic Sciences Program*



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