

FORM C - DEGREE/PROGRAM CHANGE

CIP CODE

Date: 11/11/08

Elizabeth J. Greer  
(Name of individual initiating curricular change form)

program Director/Lecturer III  
(Title, position, telephone number)

ejgreer@unm.edu  
(Email address)

Radiology/Rad Sciences  
(Department/Division/Program/Branch)

Mark appropriate Program:

Undergraduate Degree Program

Graduate Degree Program (For existing degree only)

Mark appropriate category:

	NEW	REVISION OF	DELETION	NAME CHANGE
Degree <u>                    </u> Type	<input type="checkbox"/> Undergraduate degree only	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Major	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concentration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emphasis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Department	<input type="checkbox"/>	NA	<input type="checkbox"/>	<input type="checkbox"/>
Subject Code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- ROUTING (All Four Collated Sets)**
1. Department Chairperson
  2. College Curriculum Committee
  3. College or School Faculty (if necessary)
  4. College or School Dean/Dean of Instruction
  5. Office of the Registrar—Catalog
  6. Director of relevant Library
  7. FS Graduate Committee (graduate courses)
  8. FS Undergraduate Committee (undergraduate courses)
  9. FS Curriculum Committee
  10. Assoc. Provost for Academic Affairs
  11. Faculty Senate
  12. Board of Regents (new degree only)

\* Plan for curricular process to take at least 12 months.

This form is for BS RAD Sciences Concentration Radiography, CT Emphasis  
Name of New or Existing Program

This program is or would be located in current undergraduate/graduate catalog on page(s)                      pg. 563

Give exact title and requirements as they should appear in the catalog. See current catalog for format within the respective college (attach additional sheets if necessary). Identify in bracket form what is being changed.

Bachelor of Sciences in Radiologic Sciences-Concentration Radiography - *CT Emphasis*  
(see attached requirements/additions)

Reason(s) for Request (attach additional sheets if necessary).

Addition of certificate in CT as well as additional courses added to emphasis

Attach statements to address Budgetary and Faculty Load Implications and Long-range planning.

Does this change affect in a significant way, any other departmental programs/branch campuses? Yes  No

If yes, have you resolved these issues with department/branch involved?                      (attach statement)

Proposed Effective Term:                      Fall,                      2009  
Term Year

Required Signatures:

Department Chair <u>                    </u>	Date <u>11/12/09</u>
College Curriculum Committee <u>                    </u>	Date <u>                    </u>
College or School Faculty (if necessary) <u>                    </u>	Date <u>                    </u>
College or School Dean/Dean of Instruction <u>                    </u>	Date <u>11/12/09</u>
Office of the Registrar—Catalog <u>                    </u>	Date <u>01/14/09</u>
Director of relevant Library <u>                    </u>	Date <u>11/12/09</u>
FS Graduate Committee (graduate courses) <u>                    </u>	Date <u>                    </u>
FS Undergraduate Committee (undergraduate courses) <u>                    </u>	Date <u>02/14/09</u>
FS Curriculum Committee <u>                    </u>	Date <u>3-5-05</u>
Assoc. Provost for Academic Affairs <u>                    </u>	Date <u>3/11/09</u>
Faculty Senate <u>                    </u>	Date <u>                    </u>
Board of Regents <u>                    </u>	Date <u>                    </u>

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Entered Catalog

For Registrar's Office ONLY

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### **The Radiologic Sciences Education Program**

The Radiologic Sciences program at UNM, offers a Bachelor of Science degree in Radiologic Sciences (BSRS) with concentrations in Nuclear Medicine or Radiography. Currently, this program offers a one-year Certificate in Nuclear Medicine Imaging. Proposed to begin also in the fall of 2009 are certificate completions in Computed Tomography, Magnetic Resonance Imaging or Positron Emission Tomography. We hope in the near future to also offer these through distance education.

We recently placed a moratorium on our entry-level Radiography Associate's degree to focus on a degree completion program (2 + 2) With CNM (24 students per year graduate), PIMA Medical Institute (25 students every 8 months graduate), Northern College (7-16 per year graduate), Clovis Community College (8-18 students per year) and Dona Anna Community College of New Mexico State (18-22 students per year graduate). The BSRS program and advance imaging certificates at UNM are the only offered in the state of New Mexico. The BSRS currently provides emphases in management, computed tomography (CT), or magnetic resonance imaging (MRI) face to face. Again the plan is to include the addition of Positron Emission Tomography- Computed Tomography (PET-CT) as well as a certificate path in each of the other specialty modalities currently offered. This additional education and training will be offered to returning students who wish not to do the additional course work necessary for completing a degree as well as to the new graduates from across the state listed above. All these new additions to this program we hope to offer in the future through distance education throughout the state of New Mexico. This field is growing in the advance imaging areas faster than schools have been created to train. The advance imaging job market is in great need for these specialty trained technologists and report shortages across the country while the entry level programs within this state and others are more than providing enough technologists to meet the needs.

With the rapid and numerous changes in the field of radiologic technology, training programs must look forward to preparing students to fulfill the demand for technologists in the areas of advanced imaging. Growth and advances in MRI, CT, and PET CT imaging demand training programs that can train Radiologic and Nuclear Medicine technologists capable of successfully performing these new and specialized procedures. Currently in the United States, CT programs number approximately 25, MRI 10, and PET-CT has no formal program yet list until now.

The baccalaureate degree program that started in 1998 has 37 active baccalaureate degree students. This program has the capabilities at this time to grow to 50 students within Bernalillo County. This department is currently involved in offering a branch of this program through the UNM-West expansion. The enrollment is expected to go up as the community learns of the new certificates in CT, MRI and PET-CT. It will continue to grow as many of the students from the five in-state entry-level radiography programs seek their baccalaureate degrees and advance certifications as well as returning technologists living and working throughout the state.

## Introduction and rationale for Radiologic Sciences curriculum revisions/additions

The Radiologic Sciences program has recently increased their faculty to four full-time and one part-time faculty members to help implement the advanced degree/certificate emphases. The faculty is involved in teaching, clinical, student advisement and outreach throughout the state, and works with main campus groups to inform potential students of their career options.

Our programs have a history of academic excellence. Students completing our programs score significantly higher on their board exams and easily find employment. One of our recent nuclear medicine classes scored a class average over 90% in all areas with a 95% in patient care skills. We are convinced that the changes in our current program will continue to provide the diagnostic imaging field with highly qualified technologists with advanced technical training.

Budgetary and Faculty Load Implications and Long-range planning-BSRS Emphasis Computed Tomography

Justification for offering the course: These courses are a part of the existing non transcribed Certificate in Computed Tomography Advance Imaging program. Additional faculty was hired Fall 2008.

Budget implicate CT 11/11/08 F08

**Computed Tomography Emphasis - Unchanged**

**Fourth Year – Fall Semester**

CJ elective from list	3
RADS 410 Phys Comp Tomo	3
RADS 420 Computed Tomography Clinical I	3
HSCI 406 Medical Imaging Thry III	3
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**Spring Semester - Addition**

CJ elective from list	3
RADS 421 Computed Tomography Clinical II	3
HSCI 405 Medical Imaging Thry II	3
HSCI 406 Medical Imaging Thry III	3
RADS 411 CT Physics	3
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**Summer Semester - Addition**

RADS 412 CT Physics Review	1
RADS 422 Computed Tomography	3
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