RADIOLOGIC SCIENCE MAJOR, B.S.

Contact Information
Division of Radiologic Science
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The School of Medicine’s radiologic science program is designed to prepare individuals for professional practice and associated responsibilities in the health specialty of medical imaging. Graduates provide patient assessment and care required for medical imaging procedures in addition to insuring that the highest quality imaging study is completed with the patient’s radiation dose as a factor. In addition to diagnostic radiology, students may select other imaging modalities and practice areas for additional competence and training. These other areas include pediatrics, mammography, computed tomography, magnetic resonance imaging, vascular interventional radiology, and cardiac catheterization laboratory. The curriculum includes course discussions and projects on global health imaging issues and the potential for international experiences in medical imaging departments and programs abroad.

Admission (http://catalog.unc.edu/undergraduate/departments/division-radiologic-science) to the program is required.

Mission
The radiologic science program prepares students to practice competently and effectively as medical imaging professionals in diverse healthcare environments with awareness of global health issues. The academic and clinical foundation in the curriculum develops graduates with professional flexibility and adaptability to assume prominent roles and responsibilities after graduation in both career and scholarly pursuits.

Program Goals
• Develop competent, effective, medical imaging professionals
• Support development of skills necessary to practice in diverse healthcare environments and to acquire prominent roles in radiologic science
• Program curriculum, teaching methods, and philosophy promote development of integrative, critical thinking, and communication skills to include written, oral, and electronic discourse
• Graduates successfully pursue scholarly activities such as contributions to the profession and post-baccalaureate education
• Encourage global awareness of cultural and health care perspectives

Student Learning Outcomes
Upon completion of the radiological sciences (B.S.) program, students should be able to complete the following goals and outcomes.

(Goal one) Obtain a level of clinical competence appropriate for an entry-level medical imaging professional.

Outcomes:
• Students will demonstrate accurate patient positioning techniques.
• Students will utilize radiographic exposure factors to optimize image quality and minimize patient dose.
• Students will practice radiation protection principles for patient and occupational safety.

(Goal two) Possess critical thinking skills to adapt to changing clinical environments and patient needs.

Outcomes:
• Students will adapt procedures based on patient needs and clinical situation limitations.
• Students will analyze images to assure diagnostic quality.

(Goal three) Exhibit professionalism through consistent, responsible, and ethical behavior.

Outcomes:
• Students will provide nondiscriminatory care for all patients.
• Students will demonstrate adherence to program policies and procedures.

(Goal four) Demonstrate effective communication skills.

Outcomes:
• Students will practice effective oral communication skills in the classroom and in the clinical setting.
• Students will demonstrate effective written communication skills.

Requirements
In addition to the program requirements, students must
• attain a final cumulative GPA of at least 2.0
• complete a minimum of 45 academic credit hours earned from UNC–Chapel Hill courses
• take at least half of their major course requirements (courses and credit hours) at UNC–Chapel Hill
• earn a minimum of 18 hours of C or better in the major core requirements (some majors require 21 hours).

For more information, please consult the degree requirements section of the catalog (http://catalog.unc.edu/undergraduate/general-education-curriculum-degree-requirements/#degreerequirementstext).

The schedule of academic work for radiologic science (medical imaging) majors includes the following General Education requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 130</td>
<td>Precalculus Mathematics</td>
<td>3-4</td>
</tr>
<tr>
<td>MATH 231</td>
<td>Calculus of Functions of One Variable</td>
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<td>(select one)</td>
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<td>Six courses in the physical and life sciences</td>
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### Special Opportunities in Radiologic Science

#### Experiential Education

All of the clinical education courses provide students with the opportunity to gain competence and proficiency in all areas of radiologic science practice in a variety of clinical environments. Students may also participate in our global experiences in Switzerland and in Malawi.

#### Undergraduate Awards

Undergraduate students are considered for the Faculty Award for Excellence, the Award for Academic Excellence, and the Tina Robbins Award.

#### Undergraduate Research

Students complete a two-semester research sequence leading to a project and paper during the senior year of the program and are encouraged to submit the research projects to state and national research competitions.

#### Certification

Upon graduation, students are eligible to take the national certification examination from the American Registry of Radiologic Technologists in Radiography and in other clinical areas of expertise.

#### Accreditation

The program leading to the B.S. degree with a major in radiologic science is fully accredited by the Joint Review Committee for Education in Radiologic Technology.

#### Scholarships and Grants

Students in the Division of Radiologic Science are eligible for Phyllis Ann Canup Pepper Scholarships, the Dr. Jerry Lambiente Loyalty Fund Scholarship, the Rufus "Buddy" Clarke Loyalty Fund Scholarship, the Jerome Puryear and Latonya Brown-Puryear Scholarship, and the Jane Cox Hendrix Scholarships.