Clinical Radiation Sciences, Bachelor of Science (B.S.) with a concentration in radiography (degree completion)

Full- or part-time opportunities to complete a baccalaureate degree are offered for technologists or therapists certified by the American Registry of Radiologic Technologists and/or the Nuclear Medicine Technology Certification Board. In addition to general education and professional course work, the student selects electives from a wide variety of courses, allowing the design of a program that best meets the goals and interests of the individual.

Student learning outcomes
Upon completing this program, students will know and know how to do the following:

- Demonstrate effective written communication
- Demonstrate critical-thinking skills in developing a research project

Special requirements
Prerequisites
ARRT Certification (or eligibility) in radiography

Must be ARRT-certified within two semesters of enrollment.

English proficiency
All non-native applicants must meet VCU's minimum TOEFL score requirements prior to admission.

Enrolled students must earn a minimum grade of C in CLRS 430.

Degree requirements for Clinical Radiation Sciences, Bachelor of Science (B.S.) with a concentration in radiography (degree completion)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLRS 206</td>
<td>Cross-sectional Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>CLRS 398</td>
<td>Introduction to Research</td>
<td>1</td>
</tr>
<tr>
<td>CLRS 498</td>
<td>Senior Project</td>
<td>2</td>
</tr>
<tr>
<td>ALHP 430</td>
<td>Overview of Research in the Health Professions</td>
<td>3</td>
</tr>
<tr>
<td>CLRS 332</td>
<td>Radiographic Pathology</td>
<td>3</td>
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</tbody>
</table>

Ancillary requirements
ARRT radiography certification
HCMG 300 Health Care Organization and Services
STAT 210 Basic Practice of Statistics
Electives (300 level or higher) 30

Open electives
Select any course. 16

Total Hours 120

Some general education categories will be met with admission requirements. Consult with an adviser to determine remaining categories.

The minimum number of credit hours required for this degree is 120.

What follows is a sample plan that meets the prescribed requirements within a four-year course of study at VCU. Please contact your adviser before beginning course work toward a degree.

Sample outline (full-time option)

Credits toward admission for ARRT radiography certification: 50

Year one
Fall semester
ALHP 430 Overview of Research in the Health Professions 3
HCMG 300 Health Care Organization and Services 3
STAT 210 Basic Practice of Statistics 3
UNIV 200 Advanced Focused Inquiry: Literacies, Research and Communication (satisfies general education UNIV foundations) 3
Natural/physical science elective 3
Social science elective 3

Term Hours: 18

Spring semester
CLRS 206 Cross-sectional Anatomy 2
CLRS 332 Radiographic Pathology 3
CLRS 398 Introduction to Research 1
Elective (300-level +) 3
Humanities elective 3
Open elective 3

Term Hours: 15

Summer semester
Open electives 4

Term Hours: 4

Year two
Fall semester
CLRS 408 Introduction to Computed Tomography (CT) 2
CLRS 498 Senior Project 2
Electives (300-level +) 12

Term Hours: 16

Spring semester
The minimum number of credit hours required for this degree is 120.

**Sample outline (part-time option)**

Credits toward admission for ARRT radiography certification: 50

<table>
<thead>
<tr>
<th>Year one</th>
<th>Fall semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLRS 430</td>
<td>Radiobiology</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>(300-level +)</td>
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<tr>
<td><strong>Term Hours</strong></td>
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<tr>
<td><strong>Total Hours</strong></td>
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<td><strong>70</strong></td>
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</table>

**Year two**

<table>
<thead>
<tr>
<th>Fall semester</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CLRS 206</td>
<td>2</td>
</tr>
<tr>
<td>CLRS 498</td>
<td>2</td>
</tr>
<tr>
<td>CLRS 408 Introduction to Computed Tomography (CT)</td>
<td>2</td>
</tr>
<tr>
<td>Electives (300-level +)</td>
<td>6</td>
</tr>
<tr>
<td><strong>Term Hours</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
</tr>
</tbody>
</table>

The minimum number of credit hours required for this degree is 120.