

Bachelor of Science in Radiologic Science

This program is for the certified clinical radiologic science professional whose goal is to move into a leadership position in the profession. The goal of this program is to nurture and expand the student's leadership, management, and critical thinking skills for growth in radiologic science professions. The Bachelor of Science in Radiologic Science degree is a 12-month program designed for the working professional

Upon successful completion of the BS Radiologic Science program:

- ✓ Broad, fundamental technical knowledge
- ✓ Written and verbal communication skills
- ✓ Professional judgement and capability to think critically
- ✓ Practical experience in solving problems
- ✓ The ability to work independently
- ✓ Professional ethics allowing the student to productively and successfully work in a variety of healthcare settings
- ✓ The ability to conduct research

Program Objectives

- ✓ Students will demonstrate clinical management skills
- ✓ Students will demonstrate critical thinking and problem solving skills
- ✓ Students will display effective communication skills
- ✓ Students will demonstrate understanding of clinical quality improvement
- ✓ The program will meet the needs of its students and the healthcare organizations it serves

Program Application Requirements

- ✓ Letters of reference
- ✓ Official transcripts from all higher education institutions
- ✓ Personal statement letter
- ✓ Copies of TOEFL or IELTS scores, if applicable
- ✓ On line application and \$35.00 application fee

BS Radiologic Science Program

Admission Requirements

- ✓ Associates degree in a science related field
 - Associates degree in a science related field
 - 48 Core credits will be accepted for transfer
 - 36 General Education credits will be accepted for transfer. There must be at least one general education course from each of these categories: Humanities, Social Sciences, Sciences, and Mathematics
- ✓ A GPA of 2.0 (on a 4.0 scale) for the last degree earned. A 3.0 or higher (on a 4.0 scale) is preferred.
- ✓ If applicant's first language, or language of instruction, is not English, English proficiency examination scores are required. Test of English as a Foreign Language (TOEFL) minimum scores are 650 (paper-based) or 219 (computer-based) or 79 (internet-based). The International English Language Testing System (IELTS) minimum score required is 6.5. The PTE Academic minimum score required is 53.
- ✓ The student must pass the MATH190 Placement Test or complete the MATH190 course if the student does not have a college-level math class.
- ✓ Interview with RTU representative
- ✓ Personal statement
- ✓ Three Letters of Reference

MATH190 Placement Test

Test Procedure

Define a proctor (typically a local library or University proctor services) and provide the fax or email information to RTU at info@rtuvt.edu. The correspondence needs to include the day and time you plan to take the test. The test and proctor sheet will be provided to the proctor. Once the test is complete, the proctor will email or fax the test and proctor sheet to RTU.

Email: info@rtuvt.edu

Fax: 574.232.2200

Test Instructions

The student has 2 hours to complete the test. The student may utilize any resources they like and a calculator. The student must show all of their work. Answers without work will be considered incomplete.

Test Description

The test includes four sections. Sections and points possible per section are outlined below. In order to pass the placement test, the student must earn a minimum of 75% on each section as well as 80% for an overall test score.

Sections:

1. Geometry and Trigonometry: Questions 1-4 (30 points possible)
2. Linear and Quadratic Functions: Questions 5-8 (30 points possible)
3. Exponential and Logarithmic Functions: Questions 9-10 (30 points possible)
4. Scientific Notation and the Metric System: Question 11 (10 points possible)

Program Details

Required Credit hours: 36 (120 total*)

Program Duration: 1 year (3 semesters)

Program Tuition: \$15,000.12

Rate per Credit: \$416.67

*48 Core credits will be accepted for transfer and 36 General Education credits will be accepted for transfer. There must be at least one general education course from each of the four categories: Humanities, Social Sciences, Sciences, and Mathematics.

Curriculum

Core Courses (120 credits required)

Transfer	General Education Credits	(36 credits)
Transfer	Core Credits	(48 credits)
RS310	Introduction to Medical Informatics	(3 credits)
RS320	Computer Systems in Medicine	(3 credits)
RTT435	Research Methods	(3 credits)
MHP308	Health Physics/Radiation Safety	(3 credits)
MI309	Clinical Management	(3 credits)
MI310	Pathology and Disease	(3 credits)
MI330	Leadership and Communication	(3 credits)
MD301	Radiation Dosimetry	(3 credits)
MD302	Radiation Biology	(3 credits)
MD403	Advanced Imaging	(3 credits)
MD351	Introduction to Medical Physics	(3 credits)
RTT440	Clinical Quality Improvement and Accreditation	(2 credits)
MP390	Medical and Professional Ethics	(1 credits)

BS Radiologic Science Sample Plan of Study

Semester 1	
Health Physics/Radiation Safety	3
Radiation Dosimetry	3
Medical & Professional Ethics	1
Radiation Biology	3
	10cr

Semester 2	
Clinical Management	3
Leadership and Communication	3
Clin. Qual. Improvement and Accred.	2
Research Methods	3
Introduction to Medical Informatics	3
	14cr

Semester 3	
Pathology & Disease	3
Introduction to Medical Physics	3
Advanced Imaging	3
Computer Systems in Medicine	3
	12cr