“Radiation therapists are at the front lines of treating cancer patients with some of the most advanced technology in medicine today. They form close bonds with their patients that often last long after their treatment is over”.

- Dr. Kenneth Rosenzweig
Professor and Chair
Department of Radiation Oncology
Mount Sinai Health System

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@MountSinaiRTTedu

What is radiation therapy?
Radiation therapy is the use of high-energy radiation to damage cancer cells’ DNA and destroy their ability to divide and grow. It may be delivered using machines called linear accelerators or via radioactive sources placed inside the patient on a temporary or permanent basis.

What is the role of a radiation therapist?
Radiation therapists use high energy rays to treat cancer patients. Radiation Therapists are responsible for positioning the patient, operating the linear accelerator, delivering dose, and recording the process. The role of a RT(T) is deeply rewarding, as they are the member of the radiation oncology team that treats the patient every day. Radiation therapists also provide emotional support and encouragement throughout a patient’s treatment.

Where do radiation therapists work?
Radiation therapists work in cancer centers, hospitals, free-standing clinics, and medical schools.

Is there a demand for radiation therapists?
Employment of radiation therapists is projected to grow 13 percent from 2016 to 2026, faster than the average for all occupations. Within the greater New York market, demand is even higher.

What is the salary range for radiation therapists?
Nationally, the median annual earnings for radiation therapists in 2016 was $80,160. Salaries are dependent upon location and length of experience; the highest 10 percent earning more than $123,710. According to the Bureau of Labor Statistics, the average salary for radiation therapists in the State of New York is $90,440.

Radon and Health Physics: Provides an overview of the biological effects of radon and an examination of the interaction of radiation with matter, macromolecules, cells, tissue and the whole body. Includes the clinical impact of radiation response and introduces students to radiation safety through topics such as methods for exposure minimization, and radiation monitoring.

Radiographic Anatomy and Pathology: Provides basic radiographic anatomy from the projection and cross sectional points of view. Also an introduction to basic disease processes, including the nature and causes of disease and injury. The appearance of these diseases and injuries are examined on medical images acquired through all current methods.

Introduction to Pathology: Pathology is the branch of medicine devoted to the study and understanding of disease. This course will introduce the student to the concept of disease. The types of growth, causative factors, and biological behavior of neoplastic diseases and staging are discussed.
Students can declare the Health Science major at any time during their academic career. All major courses are taken during the senior year. In order to begin your senior year courses in the major, you must have:

* a G.P.A. of at least 2.0 and have successfully completed 91 credits and have met all D.E.C/S.B.C requirements
* except TECH SBC requirement which will be satisfied during the senior year
* at least 16 credits in sciences, which must include HAN 200 and HAN 202 sequence, or equivalent sequence (ask advisor for information)
* 21 credits of related electives, which must include HAN 251 and HAN 312
* 10 upper division credits.

Successful completion of the following courses during the fall semester of your senior year is required:
- Health Care Issues
- Professional Ethics
- Communication Skills
- Scholarly Writing
- Health Informatics

If you are interested in applying to the Radiation Therapy concentration, an additional course must be taken:

HAN 395: Radiation Physics in Medicine

**How to Declare Health Science as Your Major**

To declare Health Science as your major, you are required to attend an Advising Workshop. To schedule an appointment, please email Jennifer Jimenez at jennifer.jimenez.1@stonybrook.edu

**Tuition Costs**

- $7,500.00

**Number of Seats**

- 5

**FOR ADDITIONAL INFORMATION, VISIT THE FOLLOWING WEBSITES:**

- Mount Sinai Radiation Oncology
  - www.icahn.mssm.edu/about/departments/rad- onc
- American Society of Radiologic Technologists
  - www.asrt.org
- Joint Review Committee on Education in Radiologic Technology
  - www.jrcert.org
- The American Registry of Radiologic Technologists
  - www.arrt.org

**Occupational and Employment Information**

- www.bls.gov
- www.money.usnews.com/careers
- www.salary.com

**Clinical rotations are in collaboration with the Mount Sinai Center for Radiation Therapy Education.**
**Tuition will be due two weeks prior to the 1st day of the post-baccalaureate program.**
**Health Assessment Forms must be submitted one month prior to the start of the program.**
**The student is responsible for transportation during the post-baccalaureate year.**
**Clinical sites are located anywhere from Manhattan to eastern Long Island.**
**Financial Aid does not cover tuition for the post-baccalaureate program. You may take out a career loan from various financial institutions.**
**Students may incur additional costs (materials, books, drug tests, background checks, uniforms, etc.) during the post-baccalaureate program.**
**$50 application fee.**
**Campus housing may not be available.**

Stony Brook University/SUNY is an affirmative action, equal opportunity educator and employer.