

Major in Allied Health leading to a BS degree

Concentration in radiation therapy technology

Radiation therapy technologists are involved in direct patient care. Under the supervision of radiation oncologists, they use high energy X-rays, electron beams, or radioactive isotopes to kill cancer cells. Radiation therapists must be able to interact compassionately and effectively with people who range from healthy to terminally ill.

Radiation therapy technology students complete 90 semester hours of academic course work including the University Writing Requirement and the Arts and Sciences general education requirements as well as the concentration requirements outlined below. They complete their last 30 semester hours in a one-year, full-time daytime clinical training program at Northwestern Memorial Hospital. Upon successful completion of the clinical program, students receive a certificate in nuclear medicine technology from the hospital, a BS in allied health from the University, and eligibility to sit for ARRT (T) certification. Admission to clinical training is at the discretion of the hospital. Students are not guaranteed admission. Students in clinical training are registered through Roosevelt University and pay Roosevelt University tuition.

Required courses in the concentration:	Credit Hours:
Biol 150 Science as a Way of Knowing	4
Biol 201 Organismic Biology	5
Biol 301 Cellular and Molecular biology	5
Biol 111 Human Biology	4
Biol 115 Advanced Human Biology or Biol 367 Immunology	4-5
Chem 101 General Chemistry I	4
Chem 202 General Chemistry II	4
Chem 211 Organic Chemistry I	4
Phys 201 Introductory Non-Calculus-Based Physics I	5
Phys 202 Introductory Non-Calculus-Based Physics II	5
Math 121 College Algebra	3
Math 122 Precalculus	3
Math 217 Introduction to Probability and Statistics	3
*Clinical courses	30
General education requirements, University Writing Requirement, and electives to total	120

*Prereq: Satisfactory completion of pre-clinical course work and admission to clinical program.

Clinical courses for radiation therapy technology:

Alh 313 Management and Methods of Patient Care I
Alh 315 Management and Patient Care II
Alh 316 Pathology and Sectional Anatomy
Alh 317 Radiation Physics
Alh 318 Radiation Therapy Physics
Alh 352 Radiation Safety and Protection
Alh 353 Medical Imaging and Processing
Alh 354 Principles and Practice of Radiation Therapy I
Alh 355 Principles and Practice of Radiation Therapy II
Alh 357 Clinical Practicum I

Alh 358 Clinical Practicum II
Alh 360 Quality Management
Alh 361 Treatment Planning
Alh 362 Operational Issues in Radiation Therapy