

Radiation Therapy

at Benedictine University

Why study radiation therapy at Benedictine?

Radiation therapy uses high energy x-rays, electron beams or radioactive isotopes as cancer-killing agents. These therapies change the direct physical process of individual cells.

The radiation therapist is a highly-specialized health care professional who is an important part of a health care team. Radiation therapy is one of the most effective treatments today for many cancers and an increasing number of other medical conditions. The radiation therapist delivers highly technical skills to patients requiring high touch care. Radiation therapy has a great deal of patient contact. Patients are usually seen 15-40 different times over the course of their treatment.

At Benedictine, you will benefit from:

- A strong science curriculum balanced with courses in the humanities and social sciences
- A superb location near many outstanding medical facilities
- A suburban setting with easy access to Chicago

What does a degree in radiation therapy at Benedictine offer?

A bachelor's degree in radiation therapy prepares you to:

- Interact compassionately and effectively with people who range from healthy to terminally ill
- Perform radiation therapy simulations (setting patients up for their daily treatments)
- Deliver daily radiation treatments
- Evaluate and monitor treatment delivery equipment
- Perform radiation dose calculations
- Work under supervision as a member of the medical team
- Collaborate with physicians and other members of the health care team, including nurses, dosimetrists, radiation therapists, social workers and administrative staff

How does the program work?

Students in the radiation therapy program must complete at least 90 semester hours with a minimum grade point average of 2.8 at Benedictine University. **Students must apply for admission to Northwestern Memorial Hospital, Benedictine's clinical education program affiliate hospital, during their junior year. The admissions process is competitive.** Your senior year is a 13-month, 33 semester-hour clinical education curriculum in an American Medical Association accredited hospital program affiliated with the University. Upon completion of the bachelor of science program, the student is eligible to sit for the national registry examination in radiation therapy administered by the American Registry of Radiologic Technologists.

Recommended Program

Bachelor of Science in Radiation Therapy

FRESHMAN

Writing Colloquium	3
Mathematics (MATH S105 or S110)	3
Principles of Organismal Biology	3
General Chemistry I and Lab	4
Arts and Humanities core elective	3
	16

Speech Communication	3
Research Writing	3
Math (Trigonometry)	3
Principles of Biology	3
Principles of Biology Lab	1
General Chemistry II and Lab	4
	17

JUNIOR

Human Anatomy	4
Organic Chemistry I and Lab**	4
Statistics I	3
Social Science core elective	3
Cultural Heritage (HUMN 240)	3
	17

Organic Chemistry II and Lab**	4
General Ethics	3
Social Science core elective	3
Cultural Heritage (HUMN 250)	3
Religious Studies core elective	3
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*Courses must be completed with the grade of "C" or higher.

**Students who may wish to attend professional school or graduate school should take Organic Chemistry.

Transfer students must complete 30 hours at Benedictine University to be considered an affiliate in the application process.

SOPHOMORE

Genetics and Lab	4
College Physics I and Lab*	4
CMSC 180 and 182	3
Arts and Humanities core elective	3
Cultural Heritage (HUMN 220)	3
	17

Human Physiology	4
College Physics II and Lab*	4
Social Science core elective	3
Cultural Heritage (HUMN 230)	3
Elective	4
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SENIOR

Clinical Education at Northwestern Memorial Hospital

RADT 330 Intro. to Tech. Rad. Oncology	2
RADT 331 Principles and Practice of Radiation Therapy I	3
RADT 332 Pathology	2
RADT 333 Radiation Physics	2
RADT 334 Clinical Practicum I	3
RADT 335 Medical Imaging	2
RADT 336 Intro. to Radiologic Sciences	2
RADT 337 Radiation Safety and Protection	2
RADT 338 Principles and Practice of Radiation Therapy II	3
RADT 339 Tech. Rad. Oncology II	2
RADT 340 Radiation Therapy Physics	2
RADT 341 Quality Management	2
RADT 342 Operational Issues in Radiation Therapy	2
RADT 343 Clinical Practicum II	2
RADT 345 Radiation Biology	2
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