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 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 extreme care, involving a great deal of patient contact. Patients are usually seen 15-40 times during 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 GPA 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 credit-hour clinical education curriculum in an American Medical Association-accredited hospital program affiliated with the University. Upon completion of the 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
College Trigonometry (MATH 111)	3
Principles of Organismal Biology	3
General Chemistry I and Lab	4
Artistic and Creative (QCA) course	3
	16

Basic Speech	3
Research Writing	3
Principles of Biology	3
Principles of Biology Lab	1
General Chemistry II and Lab	4
	14

JUNIOR

Human Anatomy	4
Organic Chemistry I and Lab**	4
Biostatistics	3
Social Scientific II: Political, Global and Economic Systems (QPE) course	3
Historical (QHT) course	3
	17

Organic Chemistry II and Lab**	4
General Ethics or Philosophical (QPL) course	3
Human Dignity and the Common Good (IDS 301)	3
QRT Theological/Religions course	3
	13

*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
Introduction to Computing and Lab	3
Literary and Rhetorical (QLR) course	3
	14

Human Physiology	4
College Physics II and Lab*	4
Social Scientific I: Individuals, Organizations and Societies (QIO) course	3
Catholic and Benedictine Intellectual Traditions (IDS 201)	3
	14

SENIOR

Clinical Education at Northwestern Memorial Hospital

RADT 330	Introduction to Technical Radiation 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	Introduction to Radiologic Sciences	2
RADT 337	Radiation Safety and Protection	2
RADT 338	Principles and Practice of Radiation Therapy II	3
RADT 339	Technical Radiation 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
		33