

RADIATION THERAPY (B.S.)

Radiation Therapy is an allied health profession which employs radiation in the treatment of disease, especially cancer. The radiation therapist works closely with the radiation oncologist and physicist in planning the course of treatment for each cancer patient. This professional is responsible for implementing the daily administration of prescribed doses of radiation for treatment as well as performing treatment calculations for the correct patient dosages. The radiation therapist develops a close rapport with the patient, and must be able to provide support and understanding to the cancer patient and family.

The Bachelor of Science in Radiation Therapy is a "2+2" program. The student first completes two years of liberal and pre-professional education courses at the University of St. Francis, then applies for admission to the USF Radiation Therapy program accredited by the JRCERT (Joint Review Committee on Education in Radiologic Technology). The clinical phase of the program includes lecture, laboratory, and clinical education.

Admission to the professional education component is controlled by the Radiation Therapy program faculty in consultation with an advisory board. (Note: Completion of the required pre-professional course work will satisfy the admission requirements of the professional programs, but will not guarantee admission. Final acceptance is made by the Radiation Therapy program. A minimum overall grade point average of 2.7, with special emphasis on academic performance in math and science courses, is generally required for acceptance. Successful completion of the program completes the professional education component of the degree and makes the graduate eligible to take the national certification examination of the American Registry of Radiologic Technologists (ARRT).

Code	Title	Hours
BIOL 124 & BIOL 125	Principles of Biology I and Principles of Biology I Lab	4
BIOL 221	Human Anatomy	4
BIOL 252	Human Physiology	4
CHEM 120	Foundations of Chemistry	5
COMP 101	Computer Concepts and Applications	3
MATH 105	Introduction to Statistics	3
MATH 125	Pre-Calculus	5
PSYC 111	General Psychology	3
PSYC 240 or SWRK 242	Life-Span Development Human Behavior in Social Environment II	3
RADT 101	Introduction to Radiologic Sciences	1
RADT 102	Medical Terminology	1
Total Hours		36

The curriculum of the professional phase of the program is determined by the USF Radiation Therapy program and may require additional tuition and fees beyond those charged to non-allied health majors.

Current Professional phase coursework is outlined below (subject to change).

Major Program (65 credit hours)

Code	Title	Hours
Professional Semester I		
RADT 305	Radiation Therapy Clinical Experience I	3
RADT 310	Introduction to Clinic Radiologic Science	2
RADT 330	Methods of Patient Care	3
RADT 350	Radiation Physics I	2
RADT 370	Radiographic Imaging I	3
RADT 380	Radiologic Procedures I	3
Professional Semester II		
RADT 306	Radiation Therapy Clinical Experience II	4
RADT 312	Principles and Practices of Radiation Therapy	1
RADT 335	Ethics and Law in Radiologic Science	2
RADT 341	Oncology I	2
RADT 356	Treatment Planning I	2
RADT 357	Radiation Therapy Physics I	2
RADT 360	Radiobiology/Radiation Protection	2
RADT 381	Simulator Procedures I	1
Professional Semester III		
RADT 405	Radiation Therapy Clinical Experience III	4
RADT 412	Principles and Practice of Radiation Therapy II	2
RADT 420	Sectional Anatomy	3
RADT 441	Oncology II	2
RADT 456	Treatment Planning II	2
RADT 457	Radiation Therapy Physics II	2
RADT 461	Introduction To Health Service Administration	1
RADT 470	Computer Tomography and Digital Imaging	2
RADT 481	Simulator Procedures II	1
Professional Semester IV		
RADT 406	Radiation Therapy Clinical Experience IV	4
RADT 416	Radiation Therapy Senior Seminar	1
RADT 442	Oncology III	2
RADT 450	Quality Management	2
RADT 462	Intro to Health Serv Admin II	1
RADT 482	Simulator Procedures III	1
RADT 490	Radiation Therapy Registry Review	3
Total Hours		65

Students work with their advisors in selecting additional elective credits to fulfill the 120 credit hours required for graduation.