

RADIATION THERAPY (RADT)

Courses

RADT 1990. Special Topics. 1-18 Credits.

See Schedule of Course for specific title. Offered at department discretion.

RADT 1991. Internship. 1-3 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

RADT 1993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

RADT 2520. Prin of Radiation Therapy. 3 Credits.

Introduction to the practice and theory of radiation therapy. Co-requisite: BHSC 2400 or Instructor permission for non-majors.

RADT 2760. Clinical Radiation Oncology. 3 Credits.

The various types of neoplasms, methods of diagnosis of treatment, and elementary pathology are presented. Prerequisites: ANPS 1190, ANPS 1200, PATH 2010, Radiation Therapy majors. Co-requisite: RADT 2870 or Instructor permission.

RADT 2850. Intro to Clinical Practice. 3 Credits.

Introduction to the clinical environment through activities which include patient care issues, treatment unit operations and manipulations and direct patient case. Includes a clinical practicum. Pre-requisite: RADT 2520.

RADT 2870. Clinical Practicum II. 2.5 Credits.

Students participate and observe in the University of Vermont Medical Center Radiation Therapy Department. Prerequisite: RADT 2850.

RADT 2890. Clinical Practicum. 2 Credits.

Radiation Therapy students actively participate in the delivery of radiation therapy at the department of Radiation Oncology at the University of Vermont Medical Center. Students will also rotate through other areas in the hospital pertinent to their profession. Prerequisite: RADT 2850.

RADT 2990. Special Topics. 1-18 Credits.

See Schedule of Course for specific title. Offered at department discretion.

RADT 2991. Internship. 1-18 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

RADT 2993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

RADT 2994. Teaching Assistantship. 1-3 Credits.

Undergraduate student service as a teaching assistant, usually in an introductory level course in the discipline, for which credit is awarded. Offered at department discretion.

RADT 2995. Undergraduate Research. 1-18 Credits.

Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

RADT 3150. CT Procedures. 3 Credits.

Provides in-depth study of the concepts, use and practice of CT Procedures related to Nuclear Medicine Technology and Radiation Therapy. Prerequisites: ANPS 1190, ANPS 1200, BHSC 2750.

RADT 3440. Essentials of Patient Care. 3 Credits.

Presents all aspects of care associated with the treatment of cancer when patients receive Radiation Therapy. Prerequisites: RADT 2520, RADT 2850.

RADT 3700. Dosimetry Concepts. 3 Credits.

Introduces dosimetry, treatment planning and quality assurance concepts to prepare for clinical dosimetry rotations. Prerequisites: BHSC 2400; PHYS 1250 or PHYS 1400 and PHYS 1450.

RADT 3710. Dosimetry. 3 Credits.

Treatment plan verification using three-dimensional computer models, simulation data, and knowledge of treatment unit capabilities. Prerequisites: RADT 3700, Radiation Therapy major.

RADT 3770. Techniques Radiation Therapy. 4 Credits.

Advanced theory and clinical application of radiotherapeutic techniques. Co-requisites: RADT 3850, RADT 3780, Radiation Therapy major.

RADT 3780. Senior Seminar in Rad Therapy. 2 Credits.

Evaluate current trends in advanced treatment techniques with the premise of clinical research and modern technology used in oncology. Helps prepare students for the American Registry of Radiologic Technologists national certification exam. Prerequisites: RADT 3440, RADT 3710. Co-requisites: RADT 3850, RADT 3770.

RADT 3850. Clinical Practicum III. 2.5 Credits.

A continuation of RADT 2870 emphasizing increasing clinical capabilities. Prerequisite: RADT 2870. Co-requisite: RADT 3770.

RADT 3870. Clinical Practicum IV. 11 Credits.

RADT students are assigned to approved clinical education sites to observe and increase their participation in the clinical environment. Evaluations based on defined clinical objectives and competencies to be completed by the clinical and University faculty. Spring. Prerequisites: Successful completion of all previous required major courses and concurrent enrollment in RADT 3890.

RADT 3880. Final Clinical Pract Overview. 1-4 Credits.

To orient the student to a new radiation oncology department; understand basic patient flow and essential equipment. The student is also responsible for completing all necessary orientation requirements at the organization, department level, or both. This includes understanding relevant policies and procedures and SOP's. Prerequisites: RADT 3710, RADT 2760, RADT 2870, RADT 3440; Senior standing.

RADT 3890. Qual Assurance&Treatment Plan. 2 Credits.

The integration of clinical oncology, radiobiology, dosimetry, and treatment planning, and how they affect patient outcomes. Prerequisites: RADT 3850, RADT 3770, RADT 3780; Senior standing. Co-requisite: RADT 3870.

RADT 3990. Special Topics. 1-18 Credits.

See Schedule of Course for specific title. Offered at department discretion.

RADT 3991. Internship. 1-18 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

RADT 3993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

RADT 3994. Teaching Assistantship. 1-3 Credits.

Undergraduate student service as a teaching assistant, usually in an introductory level course in the discipline, for which credit is awarded. Offered at department discretion.

RADT 3995. Undergraduate Research. 1-18 Credits.

Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.