RADIATION THERAPY (RADT)

Courses

RADT 090. 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 092. 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 096. Special Topics. 1-18 Credits.
See Schedule of Course for specific title. Offered at department discretion.

RADT 152. Prin of Radiation Therapy. 3 Credits.
Introduction to the practice and theory of radiation therapy through lectures and discussions. Prerequisite: MLRS 140.

RADT 173. 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 care. Includes a clinical practicum. Pre-requisite: RADT 152.

RADT 174. Clinical Practicum II. 2 Credits.
Students participate and observe in the University of Vermont Medical Center Radiation Therapy Department. Prerequisite: RADT 173.

RADT 176. Clinical Radiation Oncology. 3 Credits.
The various types of neoplasms, methods of diagnosis of treatment, and elementary pathology are presented. Radiation Therapy majors only. Prerequisites: ANPS 019 - ANPS 020 and concurrent enrollment in RADT 174.

RADT 190. 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 192. 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 196. Special Topics. 1-18 Credits.
See Schedule of Course for specific title. Offered at department discretion.

RADT 197. 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 198. 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 199. 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 173.

RADT 215. 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 019, ANPS 020, BHSC 175.

RADT 223. Clinical Practicum III. 3 Credits.
A continuation of RADT 174 emphasizing increasing clinical capabilities. Prerequisite: RADT 174.

RADT 244. Essentials of Patient Care. 3 Credits.
Presents all aspects of care associated with the treatment of cancer when patients receive Radiation Therapy. Prerequisites: RADT 152 and RADT 173. Co-requisites: RADT 174 and RADT 176; RADT majors only.

RADT 270. Dosimetry Concepts. 3 Credits.
This course introduces students to dosimetry, treatment planning and quality assurance concepts to prepare for clinical Dosimetry rotations. Pre/co-requisites: MLRS 140, MLRS 141, MLRS 175, MLRS 215; RADT 174, RADT 176.

RADT 274. 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 280.

RADT 275. Dosimetry. 3 Credits.
Treatment plan verification using three-dimensional computer models, simulation data, and knowledge of treatment unit capabilities. RADT majors only. Prerequisites: RADT Senior Standing.

RADT 277. Techniques Radiation Therapy. 4 Credits.
Instructs students in advanced theory and clinical application of radiotherapeutic techniques. Radiation Therapy majors only. Prerequisite: Concurrent enrollment in RADT 223 and RADT 275.

RADT 278. 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 244, RADT 275. Co-requisites: RADT 223, RADT 277.
RADT 279. Final Clinical Pract Overview. 1 Credit.
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 275, RADT 176, RADT 174, RADT 244; Senior standing. Co-requisites: RADT 274, RADT 280.

RADT 280. Qual Assurance & Treatment Plan. 2 Credits.
The integration of clinical oncology, radiobiology, dosimetry, and treatment planning, and how they affect patient outcomes. Prerequisites: RADT 223, RADT 277, RADT 278; Senior standing. Co-requisite: RADT 274.

RADT 290. 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 292. 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 296. Special Topics. 1-18 Credits.
See Schedule of Course for specific title. Offered at department discretion.

RADT 297. 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 298. 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.