

Department of Radiation Sciences
Radiation Therapy Entry Level

Prerequisites (or VCU equivalent)

MATH 141 College Algebra	3 cr	***PHYS/Z 101 Foundations of Physics (+lab)	4 cr
*BIOL 205 Human Anatomy (+lab)	4 cr	PSYC 101 Intro to Psychology	3 cr
**UNIV 111, UNIV 112 Focused Inquiry I and II	6 cr	Humanities elective	3 cr
*PHIS/Z 206 Human Physiology (+lab)	4 cr		

* At VCU, this sequence requires 4 credits of biology with "C" or better as prerequisite

** Students from outside of VCU must complete 2 semesters (6 cr) of freshman composition

Sophomore year, fall semester		Credits
CLRS 203	Pathophysiology I	3
CLRS 205	Exploring Radiation Sciences	1
CLRS 208	Foundations of Patient Care*	4
HCMG 300	Health Care Organizations and Services	3
HPEX 250	Medical Terminology	1
STAT 210	Basic Practice of Statistics	3
Elective		1
Semester Total		16

Sophomore year, spring semester		Credits
CLRS 204	Pathophysiology II	3
CLRS 206	Cross-sectional Anatomy	2
CLRS 232	Radiation Safety*	2
UNIV 200	Inquiry and the Craft of Argument	3
Electives		6
Semester Total		16

Summer I		Credits
CLRS 305	Orientation to Radiation Therapy*	2
Semester Total		2

Junior year, fall semester		Credits
CLRS 309	Oncologic Patient Care*	2
CLRS 323	Radiation Therapy Techniques and Applications*	4
CLRS 341	Radiation Physics*	2
CLRS 390	Research Methods in the Radiation Sciences	2
CLRS 393	Clinical Education I*	2
Electives		3
Semester Total		15

Junior year, spring semester		Credits
CLRS 314	Pathology and Treatment Principles I*	4
CLRS 342	Physics for Radiation Therapy*	3
CLRS 394	Clinical Education II*	2
CLRS 398	Introduction to Research	1
Electives		4
Semester Total		14

Summer II		Credits
CLRS 395	Clinical Education III*	3
Semester Total		3

Senior year, fall semester		Credits
CLRS 408	Introduction to Computed Tomography (CT)	2
CLRS 415	Pathology and Treatment Principles II*	4
CLRS 455	Quality Management in Radiation Therapy*	2
CLRS 493	Clinical Education IV*	3
CLRS 498	Senior Project	2
Semester Total		13

Senior year, spring semester		Credits
CLRS 412	Radiation Therapy Treatment Planning	3
CLRS 430	Radiobiology*	2
CLRS 488	Senior Seminar	3
CLRS 494	Clinical Education V*	3
Electives		3
Semester Total		14

120

Radiation Therapy

*C is the lowest passing grade