

Clinical Radiation Sciences

Program in Radiation Therapy

Office of Undergraduate Admissions • MCV Campus • P.O. Box 980632 • Richmond, Virginia 23298-0632

Prerequisite courses (or VCU equivalent)		credits	Prerequisite courses (or VCU equivalent)		credits
BIOL 205	Basic Human Anatomy (+ lab)*	4	PSYC 101	Introduction to Psychology	3
MATH 141	Algebra with Applications	3	UNIV 111, 112	Focused Inquiry I and II**	6
PHIS 206	Human Physiology (+ lab)*	4		Humanities/fine arts elective (from VCU Core list)	3
PHYS 101	Foundations of Physics (+ lab)	4			

* At VCU this sequence requires four credits of biology with a C or better as a prerequisite.

** Students outside of VCU must complete two semesters (six credits) of freshman composition.

Sophomore year

Fall			Spring		
HPEX 250	Medical Terminology	1	CLRS 204	Pathophysiology II	3
CLRS 203	Pathophysiology I	3	CLRS 206	Cross-sectional Anatomy	2
CLRS 205	Exploring Radiation Sciences	1	CLRS 232	Radiation Safety‡	2
CLRS 208	Foundations of Patient Care‡	4		Electives	9
HCMG 300	Healthcare Organization and Services	3			16
STAT 210	Basic Practice of Statistics	3			
	Electives	1			
		16			
Summer					
CLRS 305	Orientation to Radiation Therapy‡	2			
		2			

Junior year

Fall			Spring		
CLRS 309	Oncologic Patient Care‡	2	CLRS 314	Pathology and Treatment Principles I‡	4
CLRS 323	Radiation Therapy, Techniques and Applications‡	4	CLRS 342	Physics for Radiation Therapy‡	3
CLRS 341	Radiation Physics	2	CLRS 394	Clinical Education II‡	4
CLRS 390	Research Methods in the Radiation Sciences	2	CLRS 398	Introduction to Research	1
CLRS 393	Clinical Education I‡	4		Restricted elective	3
	Electives	2			15
		16			
Summer					
CLRS 395	Clinical Education III‡	6			
		6			

Senior year

Fall			Spring		
CLRS 408	Introduction to Computed Tomography (CT)	2	CLRS 412	Radiation Therapy Treatment Planning	3
CLRS 415	Pathology and Treatment Principles II‡	4	CLRS 430	Radiobiology‡	2
CLRS 455	Quality Management in Radiation Therapy‡	2	CLRS 488	Senior Seminar	3
CLRS 493	Clinical Education IV‡	5	CLRS 494	Clinical Education V‡	5
CLRS 498	Senior Project	2		Restricted electives	3
		15			16

Total credits: 129

‡ C is lowest passing grade.

