

BScRT Program Layout

Pre-Professional Year I		Year 2			Year 3			Year 4	
Fall 15 credits	Winter 15 credits	Fall 16 credits**	Winter 18 credits	Spring 9 credits	Fall 15 credits	Winter 15 credits	Spring/ Summer 16 credits	Fall 16 credits	Winter 20 credits
ENGL 102 or 103 *3 (fi 6) either term, variable)	STAT 151 *3 (fi 6) (either term, 3-0-0)	ONCOL 254 Principles of Oncology *3 (fi 6) (first term, 3-0-0)	ONCOL 335 Radiobiology *3 (fi 6) (second term, 3-0-0)	RADTH 260 Radiation Therapy Clinical Practicum I *6 (fi 12) (SPR/SUM, 30 hours/ week for 6 weeks)	ONCOL 309 Clinical Oncology I *3 (fi 6) (first term, 3-0-1)	RADTH 301 Radiation Therapy Principles & Practices *3 (fi 6) either term, 3-0-2)	RADTH 360 Clinical Simulation and Reasoning: *13 (fi 26) (Spring, 30 hours/ week for 13 weeks)	RADTH 460 Radiation Therapy Clinical Practicum II (16 wks.) *16(fi 32) (First term, 35 hours/ week for 16 weeks)	RADTH 461 Radiation Therapy Clinical Practicum III (17 wks.) *20 (fi 40) (Second term, 35 hours/ week for 17 weeks)
PHYS 124 *3 (fi 6) Either term, 3-0-3)	PHYS 126 *3 (fi 6) (either term, 3-0-3)	ONCOL 233 Concepts and Apps in Med Physics *3 (fi 6) (first term, 3-0-1)	ONCOL 243 Radiation Protection and Safety *3 (fi 6) (second term, 3-0-1)		RADTH 305 Introduction to the Integration of MRI in Radiation Therapy *3 (fi 6) (either term, 3-0-0)	ONCOL 310 Clinical Oncology II *3 (fi 6) (second term, 3-0-1)			
PSYCH 104, *3 (fi 6) (either term, 3-0-1/4) or SOC 100 *3 (fi 6) either term, (3-0-0)	CELL 201 Introduction to Molecular Biology *3 (fi 6) (either term 3-0-0)	ONCOL 253 Cancer Biology *3 (fi 6) (either term, 3-0-0)	ONCOL 234 Therapeutic and Imaging Equipment in Radiation Therapy *3 (fi 6) (second term, 3-0-1)	ONCOL 255 Introduction to Oncology *3 (fi 6) (SPR/SUM, 30 hours/week for 4 weeks) *NOTE on ONCOL 255 Students will be embedded in MED525 Oncology with medical and dental students. Course begins mid-April.	ONCOL 355 Treatment Planning and Dosimetry I *3 (fi 6) (first term, 3-0-2)	ONCOL 356 Treatment Planning and Dosimetry II *3 (fi 6) (second term, 3-0-2)	RADTH 401 Radiation Therapy Research Methodology *3 (fi 6) (Spring/ Summer term, 3-0-0)		
BIOL 107 *3 (fi 6) (either term, 3-0-3)	MATH 134 or 144 *3 (fi 6) (either term, 3-0-0)	RADTH 205 Patient Care Principles and Practices *3 (fi 6) (first term, 3-0-0)	ANAT 200 Human Morphology *3 (fi 6) (either term, 3-0-0)		ANAT 305 Cross-Sectional Anatomy *3 (fi 6) (first term, 3-0-2)	ONCOL 306 Imaging Principles/ Pathology *3 (fi 6) (second term, 3-0-2)			
CHEM 101 or 103 *3 (fi 6) (first term, 3-1s-3/2)	CHEM 261 *3 (fi 6) (either term, 3-0-3)	PHYSL 210 Human Physiology *6 (fi 12) (two term, 3-0-0)	PHYSL 210 Human Physiology *6 (fi 12) (two term, 3-0-0)		RADTH 328 Health Care Policy *3 (fi 6) (first term, 3-0-0)	RADTH 410 *2 (fi 4) (either term, variable) Special Seminars In Interprofessional Experiences in Radiation Therapy			

**INT D 403 Foundations of Collaborative Practice*1 (fi 2) (either term,variable) will take place in the Fall of Year 2



• Pre-professional courses obtained outside of the program



• Program courses – curriculum and delivery of courses facilitated by the solely by the program



• FoMD service courses



UNIVERSITY OF ALBERTA

Radiation Therapy Program
Faculty of Medicine & Dentistry