

PhD Radiation Biology Track (CIP code 26.0209.01) Example Training Plan

YEAR 1

<i>Fall Semester</i>	<i>CU</i>	<i>Spring Semester</i>	<i>CU</i>
RADI 5001 *Basic Radiation Safety	1	RADI 6024 *Radiological Anatomy & Physiology	3
INTD 5000 Fund. Biomedical Sciences	8	RADI 6012 *Physics of Nuclear Medicine	3
RADI 5025 Molec. Oncol. & Radiobiology	3	RADI 5020 Principles of Health Physics I	3
		RADI 5007 *Statistics in Radiological Sciences	2
		RADI 5090 *Seminars in Radiological Sciences	1
	TOTAL 12		TOTAL 12

YEAR 2

<i>Fall Semester</i>	<i>CU</i>	<i>Spring Semester</i>	<i>CU</i>
RADI 5015 *Physics of Diag. Imaging I	3	RADIATION BIOLOGY ELECTIVE	3
TSCI 5070* Respon. Conduct Research	2	RADI 5090 *Seminars in Radiological Sciences	1
RADI 5090 *Semin. Radiological Sci.	1	RADI 6097 *Research	5
RADI 6049 *Introduction to MRI	2	RADIATION BIOLOGY ELECTIVE	3
RADI 6097 *Research	4		
	TOTAL 12		TOTAL 12

YEAR 3

<i>Fall Semester</i>	<i>CU</i>	<i>Spring Semester</i>	<i>CU</i>
RADI 5090 *Semin. Radiological Sci.	1	RADI 6097 *Research	12
RADI 6071 Supervised Teaching	2		
RADI 6097 *Research	9		
	TOTAL 12		TOTAL 12

YEAR 4

<i>Fall Semester</i>	<i>CU</i>	<i>Spring Semester</i>	<i>CU</i>
RADI 7099 * [‡] Dissertation	12	RADI 7099 * [‡] Dissertation	12
	TOTAL 12		TOTAL 12

TOTAL FOR DEGREE 96 CU

* Course required for all RADSCI students

[‡]Student must be admitted to PhD candidacy to enroll in RADI 7099 - Dissertation

**Students who have completed their qualifying exam and have been accepted into candidacy should take RADI 7099 – Dissertation instead of RADI 6097-Research

NOTE: Up to two hours of RADI 5090 can be waived if the student presents research to local and national scientific meeting or equivalent, as approved by COGS.

Students who are unable to complete their dissertation research within the four-year period may continue to be enrolled and take as many hours of RADI 7099 (Dissertation) as is appropriate to their student enrollment status (full- or part-time).

Possible Elective Courses (student works with Supervising Professor to decide most appropriate courses)

INTD 5007 Adv. Cell and Molecular Biology
 RADI 6042 Non-Ionizing Radiation Biology and Biophysics
 RADI 5050 Human Electrophysiology: Brain
 RADI 6015 Physics of Diagnostic Imaging II
 RADI 6019 Medical Image Processing
 RADI 6020 Advanced Topics in Cognitive Neuroscience
 RADI 6028 Advanced Molecular Biology
 RADI 6050 Magnetic Resonance Imaging
 RADI 6091 Special Topics