

MSMP Therapy Curriculum

Year 1

Term	Course	Title	Hours	Semester hours
Fall Y1	RAMT-5248	Radiation Biophysics**	2	12
	RAMT-5304	Radiation Interactions & Dosimetry	3	
	RAMT-5310	Introduction to Clinical Applications & Radiation Protection	3	
	RAMD-5340	Clinical Diagnostic Physics I	3	
	RAMD-5340L	Clinical Diagnostic Physics I Lab	1	
Spring Y1	RAMT-5311	Clinical Therapy Physics I	3	10
	RAMT-5330	Computational Methods for Medical Physics	3	
	RAMD-5350	Clinical Diagnostic Physics II	3	
	RAMD-5350L	Clinical Diagnostic Physics II Lab	1	
Summer Y1	RAMT-5320	Leadership, Management, and Ethics for Medical Physicists	3	7
	RAMT-5391	Therapeutic Practicum I	2	
	RAMT-5316	Brachytherapy Physics	2	
	RAMD-5390	Thesis*	2	

* expect 10 hours per week thesis work

Year 2

Fall Y2	RAMT-5201	Anatomy & Physiology for Medical Physicists**	3	9
	RAMT-5312	Clinical Therapy Physics II	3	
	RAMD-5331	Physics of Medical Imaging (or elective)	3	
	RAMT-5390	Thesis*	3	
Spring Y2	RAMT-5301	Principles of Clinical Radiation Oncology	2	8
	RAMT-5314	Clinical Therapy Physics Lab I	2	
	RAMT-5392	Therapeutic Practicum II	4	
	RAMT-5390	Thesis*	4	

* expect 20 hours per week thesis work

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** Courses taught in alternate years

46

Total Hours

Non-thesis path