

MSMP SAMPLE CURRICULUM

The program allows students to choose between a course sequence that includes either independent research (Thesis) or additional clinical training (Non-thesis).

MSMP THERAPY CURRICULUM					
	Term	Course	Course Title	Credit	
YEAR 1	Fall 1	RAMT-5248	Radiation Biophysics*	2	
		RAMT-5304	Rad Interaction & Dosimetry	3	
		RAMT-5310	Intro App & Rad Prot Ther Diag	3	
		RAMD-5331	Physics of Medical Imaging	3	
	Spring 1	RAMT-5311	Clin Therapy Phy I	3	
		RAMD-5316	Comp Meth for Med Physics	3	
		RAMD-5340	Clin Diagnostic Physics I	4	
	Thesis		Volunteer to dabble in research, read literature		
	Summer 1	RAMT-5320	Leader Mngm Ethics Med Phys	3	
		RAMT-5391	MP Therapeutic Practicum I	2	
Non-thesis RAMT-5330		Brachytherapy Physics	2		
Thesis		RAMT-5390 MS Independent Study			
YEAR 2	Fall 2	RAMT-5201	Anatomy/Phys for Med Physicist*	4	
		RAMT-5312	Clinical Therapy Phys II	3	
		Non-thesis RAMD-5350	Clin Diagnostic Physics II	4	
		Thesis	RAMT-5390 MS Independent Study		
	Spring 2	RAMT-5301	Medical Physics Seminar I	2	
		RAMT-5314	Clinical Therapy Phys Lab I	2	
		Non-thesis	RAMT-5392 MP Therapeutic Practicum II		
		Thesis	RAMT-5390 MS Independent Study		

TOTAL CREDITS = 47

MSMP DIAGNOSTIC CURRICULUM					
	Term	Course	Course Title	Credit	
	Fall 1	RAMT-5248	Radiation Biophysics*	2	
		RAMT-5304	Rad Interaction & Dosimetry	3	
		RAMT-5310	Intro App & Rad Prot Ther Diag	3	
		RAMD-5331	Physics of Medical Imaging	3	
	Spring 1	Elective	Elective	3	
		Elective	Elective	2	
		RAMD-5340	Clin Diagnostic Physics I	4	
	Thesis		Volunteer to dabble in research, read literature		
	Summer 1	RAMT-5320	Leader Mngm Ethics Med Phys	3	
		RAMD-5391	MP Diagnostic Practicum I	2	
Non-thesis		Elective			
Thesis		RAMD-5390 MS Independent Study			
Fall 2	RAMT-5201	Anatomy/Phys for Med Physicist	4		
	RAMD-5350	Clin Diagnostic Physics II	4		
	RAMD-5301	Medical Physics Seminar I	1		
	Non-thesis	Elective			
Thesis		RAMT-5390 MS Independent Study			
Spring 2	Elective	Elective	2		
	Elective	Elective	2		
	Non-thesis	RAMD-5392 MP Diagnostic Practicum II			
Thesis		RAMD-5390 MS Independent Study			

TOTAL CREDITS = 47

Color Legend:
Didactic
Thesis
Non-thesis

*Course is offered in alternate years

ELECTIVES				
	Track	Course	Course Title	Credit
	Diagnostic	RAMT-5316	Brachytherapy Physics	2
	Diagnostic	RAMT-5311	Clin Therapy Phy I	3
	Diagnostic	RAMT-5330	Comp Meth for Med Phys	3
	Diagnostic	RAMT-5312	Clinical Therapy Phys II	3
	Diagnostic	RAMT-5314	Clinical Therapy Phys Lab I	2
	Diagn./Ther.	BME-7410	Quant Methods in Biomed Eng	3
	Diagn./Ther.	CANB-8340	Intro To Cancer Biology	2
	Diagn./Ther.	BMIF-6300	Found Of Biomed Informatics	3
	Diagn./Ther.	BME-7420	Magnetic Res Imag Methd	3
	Diagn./Ther.	MATH-5821	Intro Applied Statistics	3
	Diagn./Ther.	ENGM-5100	Finance & Acct for Engrs	3
	Diagn./Ther.	CPBP-8312	Seminar-Cur Top In Imaging Sci	1
	Diagn./Ther.	BMIF-6315	Method Of Biomed Informatics	3