

## NMT Master's Program - Sample Curriculum

### Prerequisite Courses (40 hours)

Precalculus Trigonometry  
 Introductory Chemistry I and II  
 Pathophysiology  
 Human Anatomy and Physiology  
 Statistics  
 College Physics I and II  
 Medical Terminology  
 Health Care Systems  
 First Aid and BLS Healthcare Provider CPR

Course Number/Title	Credits
<u>First Year - Fall 1<sup>st</sup> year</u>	
NMT 602 Intro to Clinical Nuclear Medicine, Patient Care & Communication Skills	3
NMT 610 Medical Radiation Physics & Lab	4
NMT 621 Nuclear Medicine Instrumentation I & Lab	4
NMT 631 Nuclear Medicine Anatomy & Physiology - Procedures I	4
CDS 610 Research Design & Stats	3
CDS 501 Professional Development Course	0
Semester Total	18
<u>First Year – Spring 1<sup>st</sup> year</u>	
NMT 632 Nuclear Medicine Anatomy & Physiology - Procedures II	4
NMT 641 Regulations, Radiation Protection/Biology & Lab	4
NMT 691 Clinical Practice	3
CDS 625 Analysis of Scientific Publication	3
CDS 502 Professional Development Course	0
Semester Total	14
<u>First Year – Summer 1<sup>st</sup> year</u>	
NMT 605 Cross-Sectional Anatomy	3
NMT 622 Nuclear Medicine Instrumentation II	3
NMT 623 Computed Tomography	3
NMT 691 Clinical Practice	5
HA 650 Management & Leadership Skills for Clinical Professionals	3
CDS 503 Professional Development Course	1
Semester Total	18
<u>Second Year – Fall 2<sup>nd</sup> year</u>	
NMT 660 Radiopharmacy, Pharmacology & Lab	3
NMT 691 Clinical Practice	7
NMT 698 Non-Thesis Research	4
Semester Total	14
Total Hours for professional phase program	64

CT Elective Courses - Course Number/Title	Credits
<u>Second Year - Fall</u>	
NMT 633 – Computed Tomography Procedures	3
Semester Total	3
<u>Second Year – Spring</u>	
NMT 694 – CT Clinical Practice	10
Semester Total	10
Total Hours for CT Elective Courses	13

MRI Elective Courses - Course Number/Title	Credits
<u>First Year - Spring</u>	
NMT 624 – MRI Physics and Instrumentation	3
Semester Total	3
<u>First Year – Summer</u>	
NMT 601 – Introduction to MRI Clinic	2
Semester Total	2
<u>Second Year</u>	
NMT 634 – MRI Scanning & Sequence Optimization	3
Semester Total	3
<u>Second Year</u>	
NMT 695 – MRI Clinical Practice	10
Semester Total	10
Total Hours for MRI Elective Courses	18