MOLECULAR MEDICINE and TRANSLATIONAL SCIENCE GRADUATE PROGRAM
SEQUENCE OF COURSES AND REQUIREMENTS

**Pre-courses/Orientation**
BICM 707 Biochemical Techniques 2 hr
Fundamentals of Scientific Integrity

*Choose a laboratory for the first rotation*

**Fall Semester (1st year)**
BICM 701 Scientific Communication 1 hr
BICM 705 Biochemistry I 4 hr
BICM 731 Molecular Biology I 3 hr
GRAD 713 Scientific Professionalism: Scntfc Intgrty 1 hr
MMTS 711 Translational Science Seminar Series 1 hr
MMTS 791 Research (Lab I) 1 hr

*Choose a laboratory for the second rotation*

**Spring Semester (1st year)**
GRAD 701 Intro to Professional Development 1 hr
GRAD 714 Scntfc Pfrssnlsm: Scntfc Intgrty 1 hr
MMTS 712 Translational Science Seminar Series 1 hr
BICM 700 Scientific Communication 1 hr
PSPR 702 Phys/Pharm II: Basic Phys and Pharm 6 hr
MMTS 792 Research (Lab II) 1-2 hr

*Submit choice of advisor by April 15*

**Summer Semester (1st year)**
MMTS 715 Clinical Experience 3 hr
MMTS 791 Research 3 hr

**Fall Semester (2nd year)**
Selective 2-3 hr
MMTS 711 Translational Science Seminar Series 1 hr
MMTS 722 Foundations of Translational Science 3 hr
MMTS 791 Research 1-5 hr
STATISTICS (you choose from three courses) 2-4 hr
HES 721 Data Anlyss & Intraprttion 3 hr
CPTS 730 Introduction to Statistics 4 hr
PRSP 741 Qntttve Mthd s in Bhvrl Scncs 2 hr
### Spring Semester (2nd year)

- Selective: 3-4 hr
- MMTS 712 Translational Science Seminar Series: 1 hr
- MMTS 724 Scientific Dev and Business of Science: 3 hr
- MMTS 792 Research: 2-8 hr
- Electives: 0-3 hr

### Summer Semester (2nd year)

- MMTS 791 Research: 3 hr

### All semesters after 2nd year

- MMTS 711/712 Translational Science Seminar Series: 1 hr
- MMTS 791/792 Research: 6-9 hr
- Electives: 0-3 hr

*Preliminary exam must be complete by October 31 of the student’s 3rd year.*