**MMTS M.S. CURRICULUM AND PROGRAM REQUIREMENTS**

**(FOR STUDENTS WHO ENTER THE PROGRAM WITH THE M.D., D.V.M. or D.O. DEGREE)**

**1.** **SCOPE**

* 1. This policy summarizes the current curricular and program requirements that students who have the M.D., D.V.M. or D.O. degree must complete in order to obtain the M.S. degree in Molecular Medicine and Translational Science.

A Master’s degree in Biomedical Sciences is also available to non-physicians through the Wake Forest Graduate School. <http://graduate.wfu.edu/admissions/BMSC.html>

**2. POLICY**

2.1. **YEAR ONE (Fall, Spring, Summer):**

2.1.1. **Select a thesis research mentor**. Students should choose a thesis research mentor and a research project before entering the MMTS M.S. program and must be able to devote at least 75% of their faculty, residency or fellowship effort to research. The choice of mentor must be approved by the Co-Directors of the MMTS graduate program. Follow the guidelines for committee composition stated in the Bulletin of the Graduate School of Arts and Sciences.

2.1.2. Take MCB 700 (Analytical Skills) in the 2 weeks preceding the fall semester.

2.1.3. Take MCB 701/702 (Molecular and Cellular Biosciences) in the fall and spring semesters.

2.1.4. Take an Ethics course in the fall and spring semesters (choice of CPTS 703/704 or GRAD 713/714).

2.1.5. Take MMTS 711/712 (Translational Science Seminar) in the fall and spring semesters.

2.1.6. Take MMTS 724 (Scientific Development and the Business of Science) in the spring semester.

2.1.7. Choose electives in the fall and spring semesters. The Graduate School of Arts and Sciences requires completion of at least 24 hours of didactic coursework (not Research) for the MS degree.

2.1.8. Take MMTS 791/792 (Research) in the fall, spring, and summer semesters.

2.1.9. **Choose an advisory committee.** In consultation with the mentor and the Co-Directors of the MMTS graduate program, a faculty advisory committee should be appointed during the first year in the program, following the guidelines for committee composition stated in the Bulletin of the Graduate School of Arts and Sciences. All members of the advisory committee should be members of the graduate faculty. MS advisory committees should consist of four (4) faculty members.

Students are encouraged to participate in a Journal Club that matches their research interests.

2.2. **YEAR TWO:**

2.2.1. Take Translational Science Seminar (MMTS 711/712) in the fall and spring semesters.

2.2.2. Take Research (MMTS 791/792) in the fall, spring and summer semesters.

2.2.3. Take a course in statistics (choice of CPTS 730, HES 721, IPP 741) in the fall semester.

2.2.4. Take any needed electives in the fall and spring semesters.

2.2.6. Prepare thesis/dissertation and take final examination, following the guidelines described in the Bulletin of the Graduate School of Arts and Sciences. The goal is for M.S. students to defend their thesis by the end of the summer of their second year.

2.2.7. M.S. students are encouraged to publish at least one manuscript based on their thesis research.

Students are encouraged to participate in a Journal Club that matches their research interests.

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| **APPROVAL REQUIRED:** | Majority Vote of the Molecular Medicine and Translational Science Ph.D. program Executive Committee |
| **INITIAL ISSUE APPROVAL DATE:** | 6/17/15 |
| **APPROVED BY:** | Molecular Medicine and Translational Science Ph.D. program Executive Committee |
| **REVISION APPROVAL DATE:** | 03/15/17 |