CHECKLIST FOR THE MASTER OF SCIENCE DEGREE – PHLS
Molecular Biology, Microbiology, and Biochemistry Program, Southern Illinois University

IT IS THE RESPONSIBILITY OF THE STUDENT TO MAINTAIN THIS FORM and meet the requirements on time. To qualify for a 0.5 FTE assistantship, a minimum of 6 credits must be taken each 16 week semester and a minimum of 3 credits during the 8-week semester. Most students register for 3 hours during the Summer semester and 9 hours during the Fall and Spring semesters. ALL NON-THESIS MS STUDENTS MUST COMPLETE AND PASS A TOTAL OF 45 CREDIT HOURS TO SATISFY DEGREE REQUIREMENTS.

Date          Grade or Credit Hrs

1. Advisor for PHLS Master's students will be Dr. Andrew Wilber (762).

2. The advisory committee for the PHLS Master's students will be Drs. Donald Torry, Andrew Wilber, and Sophia Ran.

3. Complete animal use training through MBMB 504.

4. Complete human subjects training through CITI "Protection of Human Subjects" - a certificate is good for 3 yrs.

5. Complete the Core courses required for the PHLS MS degree:
   a. 9 credits from the following courses:
      - MBMB 451a (Biochemistry I)
      - MBMB 451b (Biochemistry II)
      - MBMB 460 (Genetics of Bacteria & Viruses)
      - MBMB 504 (Research Methods)
   b. 9 credits from Specialized courses:
      - MBMB 510 (Functions of Public Health System)
      - MBMB 540 (Basis of Public Health Laboratory Practice)
      - MBMB 570b (Environmental Chemistry)
c. 5-6 credits from the following courses:
   MBMB 405 (Medical Microbiology)
   MBMB 453 (Immunology) OR
   MBMB 455 (Medical Immunology)
   MBMB 530-757 (Advanced Cell Biology)

d. 1 credit per semester
   MBMB 597 (Must attend each semester for an S/U grade)

Additional course topics that can be taken for a letter grade but
are not specialized courses:
570 - 1 to 15 credit hours (1 to 6 per semester) Advanced Topics.
(Spring or Fall) Advanced topics in:

A. Molecular Biology
B. Biochemistry
C. Microbiology
D. Immunology
E. Virology
F. Structural Biology
G. Biophysics
H. General Cell Biology

e.

MBMB 541a (Public Health Lab Training - min 9 hours)

MBMB 541b (Public Health Lab Training - min 9 hours)

7. At least 15 hours in courses numbered 500 or above completed.
8. At least 9 hours after admission to the degree program.
9. Courses to be applied to the degree must be taken within 6 years
   of conferring the degree
10. GPA above 3.0 GPA

THIS IS AN AID TO THE STUDENT. OFFICIAL REQUIREMENTS ARE THOSE PUBLISHED IN THE
GRADUATE CATALOG AT THE TIME OF MATRICULATION.

REV: 12/2018