

Name \_\_\_\_\_

Date of Matriculation \_\_\_\_\_

ID# \_\_\_\_\_

**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.**

<u>Date</u>	<u>Grade or Credit Hrs</u>
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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.

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3. Complete animal use training through MBMB 504.

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

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5. Complete the Core courses required for the PHLs MS degree:

a. 9 credits from the following courses:

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MBMB 451a (Biochemistry I)

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MBMB 451b (Biochemistry II)

\_\_\_\_\_

MBMB 460 (Genetics of Bacteria & Viruses)

\_\_\_\_\_

MBMB 504 (Research Methods)

b. 9 credits from Specialized courses:

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MBMB 510 (Functions of Public Health System)

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MBMB 540 (Basis of Public Health Laboratory Practice)

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MBMB 570b (Environmental Chemistry)

Date	Grade or Credit Hrs
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- 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)

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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:

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- 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)

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

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- 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.**