

DATE OF MATRICULATION: \_\_\_\_\_

NAME: \_\_\_\_\_

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.**

DATE	GRADE or Credit Hours
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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|---|
| 1.) Advisor for PHLS Master’s students will be Dr. Andrew Wilber (762)  |
| 2.) The advisory committee for 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 years. |
| 5.) Complete the Core courses required for the PHLS MS degree:  |

DATE	GRADE or Credit Hours
_____	_____
_____	_____
_____	_____
_____	_____

a. 9 credit from the following courses:

- MBMB 451a (Biochemistry I)
- MBMB 451b (Biochemistry II)
- MBMB 460 (Genetics Bacteria & Viruses)
- MBMB 504 (Research Methods)

DATE	GRADE or Credit Hours
_____	_____
_____	_____
_____	_____

b. 9 credit from Specialized courses:

- MBMB 510 (Functions of Public Health System)
- MBMB 540 (Basis of Public Health Laboratory Practice)
- MBMB 570b (Environmental Chemistry)

DATE	GRADE or Credit Hours
_____	_____
_____	_____
_____	_____
_____	_____

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)

DATE                      Grade of  
Credit Hours

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

DATE                      GRADE or  
Credit Hours

e. 18 credits as follows:

MBMB 541a (Public Health Lab Training Summer – min. 9 hours)

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MBMB 541b (Public Health Lab Training Fall – min. 9 hours)

DATE

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7.) At least 15 hours in courses numbered 500 or above completed.
8.) At least 9 hours after admissions 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.**