

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.**

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. Take PHRM 540 (currently section 703/Brandon Cox) Responsible Conduct of Research (offered Fall of odd years) - 1 credit hour
_____	_____	4. Complete animal use training module through CITI "Working with the IACUC" - a certificate is good for 3 years.
_____	_____	5. Complete human subjects training through CITI "Protection of Human Subjects" - a certificate is good for 3 yrs.
_____	_____	6. 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 4560 (Genetics of Bacteria & Viruses)
_____	_____	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)

Date	Grade or Credit Hrs
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

- 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)
 MBMB 504 (Research Methods)

- 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. 14 - 18 credits as follows:
 MBMB 541a (Public Health Lab Training - min 9 hours)
 MBMB 541b (Public Health Lab Training - min 9 hours)

_____	_____
_____	_____
_____	_____
_____	_____

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.