

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

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

**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.

Date            Advisor's Initials

- |       |       |    |  |
|-------|-------|----|--|
| _____ | _____ | 1. | Advisor for PHLS Master's students will be <b>Dr. Andrew Wilber (762)</b> .                                    |
| _____ | _____ | 2. | The advisory committee for the PHLS Master's students will be Drs. Don Torry, Andrew Wilber and Wiley Jenkins. |
| _____ | _____ | 3. | Complete the <b>Core</b> courses required for the PHLS MS degree.  |
| _____ | _____ | a. | <b>9 credits</b> from the following courses:   |
| _____ | _____ |    | MBMB451a (Biochemistry I)  |
| _____ | _____ |    | MBMB451b (Biochemistry II)   |
| _____ | _____ |    | MBMB460 (Genetics of Bacteria & Viruses)   |
| _____ | _____ | b. | <b>9 credits</b> Specialization courses:   |
| _____ | _____ |    | MBMB510 (Functions of the Public Health System)  |
| _____ | _____ |    | MBMB540 (Basis of Public Health Laboratory Practice)   |
| _____ | _____ |    | MBMB570b (Environmental Chemistry)   |

**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                           |
| _____ | _____ | c.  | <b>5-6 credits</b> from the following courses: |
| _____ | _____ |     | MBMB403 (Medical Microbiology)                 |
| _____ | _____ |     | MBMB453 (Immunology) OR                        |
| _____ | _____ |     | MBMB455 (Medical Immunology)                   |

\_\_\_\_\_

d. **1 credit per semester**

MBMB 597 (must attend each semester for a S/U grade)

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_

e. **14 – 18 credits** as follows:

MBMB541a (Public Health Lab Training) (6 hours)

MBMB541b (Public Health Lab Training) (8 – 12 hours)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. At least **15 hours** in courses numbered 500 or above completed at SIU.

\_\_\_\_\_

5. At least **9 hours** after admission to the degree program.

\_\_\_\_\_

6. Courses to be applied to the degree must be taken within 6 years of conferring the degree.

\_\_\_\_\_

7. **GPA above 3.0.** GPA - \_\_\_\_\_

\_\_\_\_\_

8. Apply for graduation the first week of the semester in which you plan to graduate.

**This is an aid to the student. Official requirements are those published in the Graduate Catalog at the time of matriculation.**

Developed by Risa Kirkpatrick and Dr. David Carpenter  
V:/pastsecretaryfiles/bleonard/PHLS checklist for MS degree.doc

Revised June 2015