

Date of Matriculation _____

Name _____
I.D.# _____

CHECKLIST FOR THE PHILOSOPHY DEGREE
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 hours during the 8-week semester. Most students register for 3 hours during the Summer semester and 9 hours during the Fall and Spring semesters.

<u>Date</u>	<u>Advisor's Initials</u>	
_____	_____	1. Student Mentor. _____
_____	_____	2. In consultation with the principal advisor, select four other graduate faculty members (one outside the department) to form an advisory committee during the third semester of graduate study. You need to complete a form which may be found on Saluki Net to submit to Carbondale for Committee Approval. _____ _____
_____	_____	3. Meet with the advisory committee early in the first semester of graduate study in Springfield to plan a tentative course program and research program.
_____	_____	4. Complete the CORE courses required by the Ph.D degree. Must obtain a "C" or better (Biochemistry a and b).
_____	_____	a. 9 credits from the following courses:
_____	_____	MBMB 451a (Biochemistry) – 3 credit hours
_____	_____	MBMB 451b (Biochemistry) – 3 credit hours
_____	_____	MBMB 460 (Genetics of Bacteria & Viruses Lect.) – 3 credit hours
_____	_____	Retaken courses:
_____	_____	
_____	_____	
_____	_____	b. 3 credits:
_____	_____	MBMB 502 (Intro to Research) – 3 credit hours
_____	_____	MBMB 504 (Research Methods) – 3 credit hours
_____	_____	c. MBMB 597-1 (Seminar-graded S/U) <u>must attend each semester, no Seminar in Summer</u> – 1 credit hour
_____	_____	_____
_____	_____	_____
_____	_____	_____

d. **24 credits of MBMB 600 (dissertation) (no more than 6 hrs before candidacy)**

_____ Date _____ Hrs _____ Date _____ Hrs

_____ Date _____ Hrs _____ Date _____ Hrs

Date

Advisor's
Initials

5. Complete three **Specialization** courses, 8-9 credits and no more than one at the 400 level, from the following list:

403-Med Micro Lecture (Spring)

421-Biotechnology (Fall)

425-Biochem & Phys of Microorganisms Lecture (Fall)

453-Immuno Lecture (Spring)

470-Prokaryotic Diversity (Spring)

520-Adv Microbial Physi & Control Mechanisms (Ad hoc)

521-Advanced Virology (Spring)

530-Advanced Cell Biology (Spring)

531-Molecular & Cell Biology (Fall)

533-Adv Biochemistry (Every 2nd year)

543-Host-Microbial Interactions (Spring)

552-Cellular Immuno (Fall)

560-Molecular Oncology (Fall)

562-Molecular Genetics (Ad hoc)

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

6. MBMB 598 (Research before candidacy).

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

_____ 7. Residency requirement – 24 hrs graduate course work at doctoral level
Maximum of 6 dissertation hours.

_____	Date	_____	Hrs	_____	Date	_____	Hrs
_____	Date	_____	Hrs	_____	Date	_____	Hrs
_____	Date	_____	Hrs	_____	Date	_____	Hrs

_____ 8. Pass preliminary exams, meet research tool requirements and be admitted to candidacy.*

Research tools	_____	Date
Prelim. exams	_____	Date
Admit to candidacy	_____	Date

_____ 9. Minimum GPA of 3.00. GPA= _____.

_____ 10. Apply for graduation, first week of the semester in which you plan to graduate.

_____ 11. Write the dissertation with the editorial assistance of the advisor. According to Graduate School requirements. Consult with the Graduate College Office and the booklet Guidelines for the Preparation of Research Reports, Thesis and Dissertations available from the Graduate College web site at: <http://www.siu.edu/gradschl/dtriguide.htm> prior to final typing.

_____ 12. Present the draft of the dissertation to the advisory committee and department chair not less than six weeks prior to commencement. This time will be not less than two weeks prior to the oral examination.

_____ 13. Schedule the oral examination in cooperation with the advisor.

_____ 14. Present the oral seminar and submit to the oral comprehensive examination by the advisory committee. Secure the required signatures on form.

_____ 15. Present a draft of the dissertation to the Graduate School for a format Check.

_____ 16. Approximately four (4) weeks prior to graduation, submit two copies of the approved dissertation to the Graduate School (Carbondale), one copy to the Department of Medical Microbiology, Immunology & Cell Biology (Theresa Casson), and one to the advisor.

*Degree conferred not less than 6 months nor more than 5 years after admission to candidacy.
(This list is an aid to the student. **OFFICIAL REQUIREMENTS ARE THOSE PUBLISHED IN THE GRADUATE CATALOG AT THE TIME OF MATRICULATION.**) **The PhD degree should be obtained within 72 months with a possible extension of 1 semester.**

updated 5/28

MEETING DATES WITH THE COMMITTEE

1. **First Meeting** **Date:** _____
2. **Second Meeting** **Date:** _____
3. **Prelim Exams** **Date:** _____
4. **Third Meeting** **Date:** _____
5. **Fourth Meeting** **Date:** _____
6. **Fifth Meeting** **Date:** _____
7. **Defense** **Date:** _____

Revised June 2015