MATRICULATION:

CHECKLIST FOR THE PHILOSOPHY DEGREE MOLECULAR BIOLOGY, MICROBIOLOGY, AND BIOCHEMISTRY PROGRAM, SOUTHERN ILLINOIS UNIVERSITY

DATE OF

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 6 hours during the Summer semester and 12 hours during the Fall and Spring semesters.

		1. The selected advisor is approved by the Department Chair. If a change of advisor is later required, the student should request a new advisor through the Graduate Advisor with approval of the Department Chair.
DATE of Approval		2. The committee is comprised of 5 members. In consultation with the principal advisor, select four other graduate faculty members (one outside the department) to form an advisory committee during <u>the second semester</u> of graduate study. You need to fill out a form which can be obtained from the MMICB office or be found on Saluki Net. The completed form will be submitted by the MMICB office to the Graduate School for Committee Approval.
		Committee Chair:
		• Committee Member 2:
		• Committee Member 3:
		• Committee Member 4:
		• Committee Member 5:
DATE of Completion	GRADE or Credit Hours	
		3. Meet with the advisory committee early in the first semester of graduate study in
		Springheld to plan a tentative course program and research program.
		4. Take PHRM 540 (currently section 705/Brandon Cox): Responsible Conduct of Research" (offered Fall of odd years) – 1 credit hour
		 Complete animal use training module through CITI "Working with the IACUC" a certificate is good for 3 years.
		 Complete human subjects training through CITI "Protection of Human Subjects" – a certificate is good for 3 years.
		 Complete the CORE courses required for the MBMB program. Must obtain a "C" or better (Biochemistry 451A and 451B).
DATE of Completion	GRADE or Credit Hours	a. 9 credits from the following courses:
- omprouon	er cart frouid	MBMB 451A (Biochemistry) – 3 credit hours
		MBMB 451B (Biochemistry) – 3 credit hours
		MBMB 460 (Genetics Bacteria & Viruses Lecture) – 3 credit hours
Retaken Courses:		indina 100 (Concles Datiena & Trados Ecclaro) - 5 cicult nouis

PhD checklist updated 07/17/2020

b. 3 credits from the following courses: MBMB 502 (Intro to Research) - 3 credit hours MBMB 504 (Research Methods) – 3 credit hour DATE of **GRADE** or **Credit Hours** Completion c. MBMB 597-1 MUST ATTEND EACH 16-week SEMESTER, NO SEMINAR IN SUMMER – 1 credit hour (S/U grade only) DATE of Completion d. 24 credits of MBMB 600 (dissertation) (no more than 6 hours before candidacy) Ι





Date/	
Sem.:	Hrs.:

DATE of Completion	GRADE or Credit Hours	8. Complete three Specialization courses with no more than one at the 400 level, from the following list:				
1		Bolded classes are given in Springfield				
		403 – Med Micro Lecture (Spring)				
		421 – Biotechnology (Fall)				
		425 – Biochemistry & Phys of Microorganisms Lecture (Fall)				
		441 - Virology				
		444 – Risk Assessment for Genetics & Medicine				
		453 – Immunology Lecture (Spring)				
		455 – Med Immuno				
		456 – Biophysical Chem.				
		470 – Prokaryotic Diversity (Spring)				
		471 – Systems Biology				
		520 – Adv. Microbial Physics & Control Mechanisms (ad hoc)				
		521 – Adv. Virology (Spring)				
		530 – Advanced Cell Biology (Spring)				
		531 – Molecular & Cell Biology (Fall)				
		532 – Methods of Structural Bio				
		533 – Adv. Biochemistry (Every 2 nd year)				
		543 – Host Microbial Interactions (Spring)				
		551 – Adv. Immuno				
		552 – Cellular Immunology (Fall)				
		553 – Adv. Med Micro & Immuno				
		560 – Molecular Oncology (Fall)				

The following **Elective classes** can be taken for credit but NOT for fulfilling the requirement of three Specialization Courses:

MBMB-570: 1 to 15 credit hours (1 to 6 per semester) Advanced Topics. (Spring or Fall) Advanced Topics in:

DATE of Completion	GRADE or Credit Hours	
_		A. Molecular Biology
		B. Biochemistry
		C. Microbiology
		D. Immunology
		E. Virology
		F. Structural Biology
		G. Biophysics
		H. General Cell Biology

9. MBMB 598 (Research before candidacy).

Date/	
Sem.:	Hrs.:

Date/ Sem.:	Hrs.:	

Date/	
Sem.:	Hrs.:

Date/ Sem.:	Hrs.:

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

Date/		Date/		Date/	Ura ·	Date/	Ura .
Sem.:	Hrs.:	Sem.:	Hrs.:	Sem.	<u>піз</u>	Sem.	riis

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

(Date)



Prelim. Exams

Admit to Candidacy (Date)

12. Minimum GPA of 3.0

GPA =

DATE of Completion

 . Apply for graduation, first week of the semester in which you plan to graduate.
 Write the dissertation with the editorial assistance of the advisor, according to Graduate School requirements. Consult with the Graduate Program Office and the website <u>https://gradschool.siu.edu/current-students/thesis-dissertation-researchpaper/etd-overview.php</u> for help with formatting, guidelines, templates, FAQ's, submission process, etc.
 Present the draft of the dissertation to the advisory committee and department chair not less than 6 weeks prior to commencement. This time will not be less than 2 weeks prior to the oral examination.
 . Schedule the oral examination in cooperation with the advisor.
 Present the oral seminar and submit to the oral comprehensive examination by the advisory committee. Secure the required signatures on form.
 Present a draft of the dissertation to the Graduate School for a format check.
Approximately (4) weeks prior to graduation, submit two copies of the approved dissertation to the Graduate School (Carbondale), one copy to the Department of MMICB (Denise Kauffman) 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.)

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: