MS IN BIOLOGY Fall 2024 – Spring 2025

Requireme	ent	Course	Credits	Term	Year	Grade
I. Core (12	2 credits)					
,	aduate Seminar in Biology	BIO 510) 3			
	perimental Design and Analysis	BIO 511				
	pics and Research Methods in C			Molecula	ır Biolog	gy
Тор	pics and Research Methods in E		olution, and	Organism	nal Biol	ogy
II Flactiv	es (15 credits)					
Select 15 c six credits	eredits from: Any other graduate of 400-level biology courses, we e course work from another dep	here no 500	0-level cours	se is avail	lable. U	p to six credits
						
Select nine credits of 4 graduate co	- Thesis Option (9 credits) c credits from: Any other gradua 400-level biology courses, where course work from another depart c repeats of courses unless the to	e no 500-le ment or uni	vel course is versity, pen	s available ding advi	e. Up to sor appi	six credits of
Common e	lective courses include:					
BIO 513	Research Techniques I	BIO 565	Immunolog	····		
BIO 514		BIO 566	Plant Physi	, ,	d Bioche	emistry
BIO 515	Research Techniques III	BIO 570	Population		a Biotii	
BIO 531	Molecular Genetics	BIO 571	Wetlands	Diology		
BIO 535	Course Topics in Biology I	BIO 575	Plant Com	nunities		
BIO 536	Course Topics in Biology II	BIO 576	Freshwater			
BIO 537	Course Topics in Biology III	BIO 580	Light Micro			
BIO 564	Microbial Physiology	BIO 585	Epidemiolo			
III. Resea	rch (3 credits)			<u> </u>		
Dir	ected Research in Biology@	BIO 591	. 3			
	- Thesis Option (9 credits)					
Thesis Proposal#		BIO 608	3			
Thesis Research [^]		BIO 609	3			
Thesis and Defense*		BIO 610) 3			

Notes and Requirements

- [@] The student must present the results of the project in an open seminar to complete BIO 591. In addition, the student must pass a written examination prepared by the student's Advisory Committee. Students who fail this examination will not receive a grade for the course.
- *A Thesis Committee must be formed and meet with the student to discuss course work and research ideas, and the Committee Composition section of the MS Student Progress Checklist Thesis Option must be completed and submitted to the Graduate Coordinator at least a week before the semester starts, or the student cannot enroll in BIO 608.
- ^A letter grade must be given for BIO 608 before the student can enroll in BIO 609. Paperwork must be filed at least a week prior to the start of the semester BIO 609 is to be conducted.
- *A letter grade must be given for BIO 609 before the student can enroll in BIO 610. Paperwork must be filed at least a week prior to the start of the semester BIO 610 is to be conducted. To complete BIO 610, the student must present their research in an open seminar and pass a thesis defense before their Thesis Committee. The degree will not be awarded until the Committee has accepted the thesis and it is signed by Graduate School Dean.

Part-time students will be required to take the same group of courses as full-time students except they must complete BIO 608 by the end of year three. As with full-time students, part-time students cannot take BIO 609 unless they have received a grade for BIO 608. In addition, they must take BIO 610 by the start of year six and complete it by the end of that year.

Suggested Sequence for the MS

Semester #1 (9credits) BIO 510 (3) BIO 520 (3) Elective 1 (3)	 Semester #2 (9 credits) BIO 511 (3) BIO 521 (3) Elective 2 (3)
 Semester #3 (9 credits) Elective 3 (3) Elective 4 (3) Elective 5 (3)	Semester #4 (3 credits) BIO 591 (3)

Thesis Option

Semester #1 (9credits) BIO 510 (3) BIO 520 (3) Elective 1 (3)	 Semester #2 (9 credits) BIO 511 (3) BIO 521 (3) BIO 608 (3)
Semester #3 (9 credits) BIO 609 (3) Elective 2 (3) Elective 3 (3)	 Semester #4 (3 credits) BIO 610 (3)