

Student Name: _____ Perm: _____ Qtr/Yr Enrolled: _____

MASTER OF SCIENCE – BIOCHEMISTRY AND MOLECULAR BIOLOGY – 2025-26 Plan I – Thesis & Plan II - Exam

This degree is only open to students in the 5-year BS/MS program, or for doctoral students who wish to leave the program with a master's degree.

M.S. students may complete the master's degree under Plan I (Thesis) or Plan II (examination). Students will elect an emphasis in either biochemistry/molecular biology (BCMB), or in biophysics/bioengineering (BIOPHENG). Competency in the selected emphasis is demonstrated by completion of 12 units of modular coursework from the emphasis, with grades of B or better. Completion of **33** total units is required for Plan I, and completion of **36 total** units is required for Plan II, as distributed below. Plan I students must form and nominate a master's thesis committee and submit a master's thesis, Plan II students must form an examination committee and submit a final written report.

EMPHASIS: _____ Plan I or Plan II: _____

CORE COURSE MODULES (12 UNITS REQUIRED)							
EMPHASIS 1 (BIOPHENG) CORE COURSES Students in BIOPHENG emphasis must take 12 units of coursework from this list. Grade of B or better required for all core courses.				EMPHASIS 2 (BCMB) CORE COURSES Students in BCMB emphasis must take 12 units of coursework from this list. Grade of B or better required for all core courses.			
COURSE #	QTR/YR	UNITS	GRADE	COURSE #	QTR/YR	UNITS	GRADE
BMSE 201A		2		BMSE 201B		2	
BMSE 202		3		BMSE 201C		2	
BMSE 203		3		BMSE 205A		1	
BMSE 212		2		BMSE 205B		1	
BMSE 215		2		BMSE 207		2	
BMSE 216A		2		BMSE 218A		3	
BMSE 216B		2		BMSE 218B		5	
BMSE 217		2		BMSE 223		2	
BMSE 219		3		BMSE 229		2	
BMSE 244		2		BMSE 239		4	
BMSE 247		3					
BMSE 250		2					
BMSE 251		2					
BMSE 252		2					
BMSE 253		2					
BMSE 255		3					
BMSE 272		3					

BMSE 276A		3					
<i>Other Core Courses approved by the Graduate Advisor:</i>				<i>Other Core Courses approved by the Graduate Advisor:</i>			
EMPHASIS 1- TOTAL UNITS				EMPHASIS 2- TOTAL UNITS			

PLAN I: OTHER UNIT REQUIREMENTS (21 units)		
Course	Required Units	Quarter/Year completed
BMSE 265 (Seminar Discussion Group)	3	
BMSE 596 (Directed Reading & Research)	18	

PLAN II: OTHER UNIT REQUIREMENTS (9 units)		
Course	Required Units	Quarter/Year completed
BMSE 265 (Seminar Discussion Group)	3	
BMSE 596 (Directed Reading & Research) or BMSE 592	6	

PLAN II: CAPSTONE REQUIREMENT (Final Report)

Plan II students must submit a written final report. The content of the report is determined in consultation with the master's advisor and two additional IQB faculty. The report must demonstrate an integration of the knowledge acquired in the student's graduate coursework and research studies.

PLAN II: ELECTIVE UNIT REQUIREMENTS (15 units)

Course #	QTR/YR	Units	Grade	Course #	QTR/YR	Units	Grade

PLAN I: CAPSTONE REQUIREMENT (Thesis)

The thesis committee, consisting of the thesis advisor and two additional Academic Senate faculty members, is chosen by the student, nominated by the department chair and graduate advisor, and appointed by the dean of the Graduate Division. The student's thesis must be approved by each member of the thesis committee. The thesis should demonstrate the student's ability to do original research.

M.S. Committee: Chair: _____

Member: _____

Member: _____

Date Thesis Filed: _____

Date report completed (mm/dd/yy): _____

M.A. DEGREE REQUIREMENTS SATISFIED: _____
Quarter/Year

DEPT GRADUATE ADVISOR SIGNATURE: _____

Print Name

For Graduate Division Use Only	
Residence requirement-minimum 3 quarters (<i>verify departmental requirement</i>)	
Required units completed =	
Language requirement Satisfied (<i>if required</i>)	
No grades of I, NR, or NG	
3.0 or better GPA overall	
B or better in all core courses (<i>200-level – verify if departmental requirement</i>)	
Registered quarter of degree or Filing Fee LOA: _____	
Master's Form I / COI and committee entered	
Master's Thesis date received (<i>signature page/e-filed and entered in SReg</i>): _____	
Master's Thesis Submission Fee: ____	
ProQuest ID ____ Permission Ltrs uploaded?	
Master's Degree Awarded (<i>mm/dd/yy</i>)	