

MOLECULAR CELLULAR AND DEVELOPMENTAL BIOLOGY

<http://www.mcdb.ucsb.edu>

College of Letters and Science
University of California, Santa Barbara

StudentName: _____ Perm: _____ Qtr/YrEnrolled: _____ M.S.

Plan (select one):

- M.S. Plan I (Thesis): A research thesis and a minimum of **30.0** units total, distributed as outlined below.
- M.S. Plan II (Project): A minimum of **36.0** units total, distributed as outlined below.

MASTER OF SCIENCE–MOLECULAR, CELLULAR AND DEVELOPMENTAL BIOLOGY–2022-23

In addition to departmental requirements, candidates for graduate degrees must fulfill University requirements described in the “Graduate Education” section of the UCSB General Catalog.

<https://my.sa.ucsb.edu/catalog/Current/GraduateEducation/MastersDegreeReqs.aspx>

M.S. students are required to demonstrate competency in fundamental areas of Molecular, Cellular and Developmental Biology by achieving a grade of B- or better in the core courses and electives. It is expected that all M.S. students are enrolled as full-time students and earn a minimum of 12 course units each quarter.

Students pursuing an M.S. in MCDB may petition to add an Emphasis in Pharmacology and Biotechnology. See [MCDB Guide to Graduate Study](#) for requirements.

CORE COURSES (both plans, 13.0units; graded)				
COURSE #	COURSE NAME	UNITS	QTR/YR	GRADE
MCDB 229	Protein Biochemistry	2	F	
MCDB 218A	Methods & Logic in Molecular Cell Biology I	3	F	
MCDB 218B	Methods & Logic in Molecular Cell Biology II	5	W	
MCDB 260	Research Strategies in Molecular, Cellular & Developmental Biology	1/qtr for 3 qtrs	FWS (year 1)	
ELECTIVE COURSES (see list of pre-approved electives; others may be approved upon petition)				
<p><i>Plan I (Thesis):</i> Electives chosen in combination with research courses (see below) will total at least 17 units to reach the 30 unit minimum. At least 20 units of letter-graded coursework must be at the graduate level. A maximum of 10 units of the required 20 graduate units may be MCDB 596.</p> <p><i>Plan II (Project):</i> Electives chosen in combination with literature and research courses will total at least 23 units to reach the 36 unit minimum. No fewer than 24 of the 36 letter-graded units must be at the graduate level. No more than 12 of the required 24 graduate units may be MCDB 596.</p>				

Total elective units: _____ (17 units Plan I; 23 units Plan II)

Total upper division undergraduate units: _____

Total MCDB 596 units: _____ (minimum of 10 units, Plan I)

Total graded units: _____ (30 units, Plan I; 36 units Plan II)

Teaching Assistantships

Teaching Assistantships are not a requirement of the Plan I or Plan II M.S. degree. Students with Teaching Assistant (TA) appointments must complete the appropriate TA orientation and techniques courses (MCDB 500 and 502; taken once, without degree credit). When serving as a TA, students should enroll in the TA practice course (MCDB 501) for the appropriate number of units (maximally 4 units for a 50% TAship; without degree credit).

SEMINAR REQUIREMENTS(No credit towards degree unit requirements for MCDB 262 or 263)		
Students are expected to enroll quarterly and attend MCDB 262 (Research Progress in MCDB– Friday Noon Seminar FNS)) as well as MCDB’s weekly research seminars MCDB 263 each quarter until completion of degree.		
COURSE#	REQUIREMENT	FULFILLED:
MCDB 262	FNS Seminar, each quarter	
MCDB 263	Research Seminar, each quarter	

COMPLETION OF THE DEGREE

M.S. Plan I (Thesis): Students will complete the degree once all core course and elective requirements are met and the written thesis is approved by the Thesis Committee. Students should form and consult with a faculty committee at least two quarters prior to the expected date of degree completion. The committee will review the written document and the student will present a short seminar, open to the public. The seminar may be presented in MCDB 262 (with faculty in attendance) or scheduled through the department.

Thesis Committee: Chair: _____

Member: _____

Member: _____

Date Requirements Completed: _____

M.S. Plan II (Project): Students will complete the degree once all core course and elective requirements are met, and the final project is approved by the Graduate Committee. Students should consult with the faculty graduate advisor at least one quarter in advance of the planned completion of the degree for approval of the final project by the Graduate Committee. The final project consists of either (i) a research presentation in the MCDB 262 meeting or (ii) a written review article on a topic pre-approved by the graduate committee and in the format of a *Nature Reviews* review article.

Date Requirements Completed: _____

Approved by Dept. Faculty Graduate Advisor _____ Date (mm/dd/yy) _____

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	
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 (mm/dd/yy)	