

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.

MASTER OF SCIENCE–MOLECULAR, CELLULAR AND DEVELOPMENTAL BIOLOGY
with a Biological Education Emphasis–2022-23 (Plan I Thesis) –2022-23

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. A total of **30** units are required for the M.S. degree, which fulfill the requirements described below. The time-to-degree for the M.S. is one year.

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>

MCDB CORE COURSES (11.0 units; 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	any	
Gevirtz Graduate School of Education (8 units):				
Two of these following education courses are required, for a total of 8 units				
ED210	Teaching, Learning, and Teacher Education	4	TBA*	
ED210B or ED210E	Introduction to Children's Thinking or Sociocultural Learning Theory	4	TBA	
ED214A	Introductory Statistics	4	TBA	
ED220	Introduction to Program Evaluation	4	TBA	
ED221A followed by ED221B	Introduction to Qualitative Methods Qualitative Interviewing	4	TBA	
ED258J	Seminar in Curriculum: Development and Analysis	4	TBA	

*the quarter these courses are offered varies from year to year

Directed Research (Total of 6.0 units)				
COURSE #	Faculty Name	UNITS	QTR/YR	GRADE
MCDB 596				
MCDB 596				
MCDB 596				

Electives (5.0 units; graded)				
See list of pre-approved electives; others may be approved upon petition.				
Course #	CourseName	Units	QTR/YR	GRADE

Total units: _____ (30 units)

Teaching Assistantships

Teaching Assistantships are a requirement of this Plan I M.S. degree. Students with Teaching Assistant (TA) appointments must complete the appropriate TA orientation and techniques courses (MCDB 500 and 502; taken once each, 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).

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. In order for students to be able to complete their research requirements within one year, students will be assigned one aspect of an ongoing research project to oversee and analyze. Mentors will come from SciTrek-affiliated faculty (N Reich, D. Feldwinn; <https://scitrek.chem.ucsb.edu/>), MCDB faculty currently engaged in education research (E Gonzalez and M Wilton), and School of Education faculty. The proposed course schedule will leave them with time during spring quarter to complete their thesis.

Thesis Committee: Chair: _____

Member: _____

Member: _____

Date Requirements Completed: _____

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

DEPT GRADUATE ADVISOR SIGNATURE: _____

 Print Name

FOR GRADUATE DIVISION USE ONLY	
Admission status	
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 _____ PermissionLtrs uploaded?	
Master's Degree Awarded (mm/dd/yy)	