

Welcome, MCDB & MIMG Students!



Please open/bookmark our websites below for digital copies of our slides & resources if helpful to you:

www.mcdb.ucla.edu/new-student-orientation/

[www.mimg.ucla.edu/education/undergraduate/
new-student-resources](http://www.mimg.ucla.edu/education/undergraduate/new-student-resources)



New Student Orientation 2024

Maggie Schmall, Undergraduate Advisor, MCDB

Dr. Jenesis Fonseca, Undergraduate Advisor, MIMG

Sierra Dwyer, Undergraduate Advisor, MIMG

MCDB & MIMG New Student Orientation Resources



<https://www.mcdb.ucla.edu/new-student-orientation/>
[https://mimg.ucla.edu/education/undergraduate/
new-student-resources](https://mimg.ucla.edu/education/undergraduate/new-student-resources)

Bookmark if helpful!

MCDB (*Molecular, Cell & Developmental Bio.*) Advising Information



MCDB Advisor: Maggie Schmall

Email: undergradmcd@lifesci.ucla.edu

Website: www.mcd.ucla.edu

MIMG (*Microbiology, Immunology, & Molecular Genetics*) Advising Information



MIMG Advisors: Dr. Jenesis Fonseca & Sierra Dwyer

Email: undergrad@microbio.ucla.edu

Website: www.mimg.ucla.edu

MCDB Major Requirements



- **FIVE UPPER DIVISION CORE COURSES**
- **LABORATORY REQUIREMENT**
- **20 UNITS OF APPROVED UPPER DIVISION ELECTIVES**

MCDB Major Requirements



Upper Division Core Requirements

CHEM 153A – Biochemistry: Introduction to Structure, Enzymes, and Metabolism

LIFESCI 107 – Genetics

MCDB 165A – Biology of Cells

MCDB 138 – Developmental Biology

MCDB 144 – Molecular Biology of Cellular Processes

MCDB Major Requirements



Laboratory Requirement (Choose One)

1. MCDB 104AL – Research Immersion Lab in Developmental Biology
2. MCDB 187AL – Research Immersion Lab in Genomic Biology
3. MCDB 150AL – Research Immersion Lab in Plant-Microbe Ecology
4. MCDB 196B – Research Apprenticeship II
+ MCDB 180B – Scientific Analysis & Communication II
5. MCDB 198C – Honors Research in MCDB
Limited to students completing the Biomedical Research Minor
6. MCDB 196B, 198B/C, 199B/C
+ MCDB 145 – Appreciation & Critical Review of Biomedical Research

MCDB Major Requirements



20 Units of Approved Upper Division Electives

Category 1	5 units from Category 1
Category 2	5 units from Category 1 or 2
Category 3	10 units of Category 1, 2, or 3

MIMG Major Requirements



- **FIVE UPPER DIVISION FOUNDATION COURSES**
- **LAB COURSES**
- **TWO FOCUS ELECTIVES**
- **GENERAL ELECTIVE (4 UNITS)**

MIMG Major Requirements



Upper Division Foundation Courses

CHEM 153A – Biochemistry: Introduction to Structure, Enzymes, and Metabolism

**CHEM 153B – Biochemistry: DNA, RNA, and Protein Synthesis
or MIMG 132 – Cell Biology of Nucleus**

LIFESCI 107 – Genetics

MIMG 101 – Introductory Microbiology

MIMG C185A – Immunology

MIMG Major Requirements



Lab Courses	
Path I	Path II
MIMG 103AL – Research Immersion Lab in Virology +	MIMG 196A – Research Apprenticeship I + MIMG 180A – Scientific Analysis & Communication I
MIMG 103BL – Advanced Research Analysis in Virology	MIMG 196B – Research Apprenticeship II + MIMG 180B – Scientific Analysis & Communication II

MIMG Major Requirements



Focus Electives (Choose Two)

CHEM 153A, 153B, 153L

MCDB 138, 165A

MIMG 102, 105, 132, CM156, 158, 168

MIMG Major Requirements



General Electives (Complete 4 Units)

MIMG Focus Electives

MIMG C122 and/or 185B, 191H, 198, 199

Other Department-Approved Courses

60 Units of Upper Division Coursework



- MCDB consists of about 49 UD units
- MIMG consists of about 43 UD units
- You must take additional UD courses outside of the major
 - Any course numbered 100-199
 - Minor

Getting Involved in Research



- Biomedical Research Minor
 - Introductory course required to apply - BMD RES 5HA, BMD RES 10H, HNRS 70A
- Undergraduate Research Center
- Consult with your MCDB or MIMG advisor for major-specific information

Tips for New Students



- The Quarter System
- Course Load
- Prerequisites and Sequence of Courses
- When to Seek Advice
- College vs. Departmental Advisors
- Professors' Office Hours
- Current Contact Information

Medical School Requirements



- 3 quarters of college **English** (AP does not apply)
- 3 quarters of college **math** (AP does not apply) including Statistics
- 1 year of **biology with lab** (LIFESCI 7A, 7B, 7C, 7L)
- CHEM 14 series or CHEM 20/30 series + CHEM 153A fulfills the **chemistry with lab** requirement (AP does not apply)
- **Physics** is covered by the major
- **Spanish** is highly recommended

Stay informed about all things Pre-Health at UCLA

prehealth.ucla.edu
information, services, and resources

 **PreHealthUCLA**
upcoming events and opportunities



Join Your Department's Listserv



To subscribe to MCDB:

Send an email to MCDBIO-L+subscribe@lists.ucla.edu

To subscribe to MIMG:

Send an email to MIMG+subscribe@lists.ucla.edu

Q & A



**Submit anonymous questions
via Mentimeter →**

<https://www.menti.com/b1jz3je74hht>



Additional Questions?



Send us an email!

undergradmcdb@lifesci.ucla.edu

undergrad@microbio.ucla.edu



Thank You