New Student Sessions 2022
Connie Firestone & Maggie Schmall, Undergraduate Advisors, MCDB
MCDB & MIMG New Student Sessions Resources

https://www.mcdb.ucla.edu/new-student-sessions/

Bookmark the MCDB & MIMG New Student Sessions Packet!
Advisor Information

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MCDB Major Requirements

- FIVE UPPER DIVISION CORE COURSES
- LABORATORY REQUIREMENT
- 20 UNITS OF APPROVED UPPER DIVISION ELECTIVES
## MCDB Major Requirements

<table>
<thead>
<tr>
<th>Upper Division Core Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 153A – Biochemistry: Introduction to Structure, Enzymes, and Metabolism</td>
</tr>
<tr>
<td>LIFESCI 107 – Genetics</td>
</tr>
<tr>
<td>MCDB 165A – Biology of Cells</td>
</tr>
<tr>
<td>MCDB 138 – Developmental Biology</td>
</tr>
<tr>
<td>MCDB 144 – Molecular Biology of Cellular Processes</td>
</tr>
</tbody>
</table>
# MCDB Major Requirements

## Laboratory Requirement (Choose One)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>MCDB 104AL – Research Immersion Lab in Developmental Biology</td>
</tr>
<tr>
<td>2.</td>
<td>MCDB 187AL – Research Immersion Lab in Genomic Biology</td>
</tr>
<tr>
<td>3.</td>
<td>MCDB 150AL – Research Immersion Lab in Plant-Microbe Ecology</td>
</tr>
</tbody>
</table>
| 4.          | MCDB 196B – Research Apprenticeship II  
+ MCDB 180B – Scientific Analysis & Communication II |
| 5.          | MCDB 196B, 198B/C, 199B/C  
+ MCDB 145 – Appreciation & Critical Review of Biomedical Research |
## MCDB Major Requirements

### 20 Units of Approved Upper Division Electives

<table>
<thead>
<tr>
<th>Category</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 1</td>
<td>5 units from Category 1</td>
</tr>
<tr>
<td>Category 2</td>
<td>5 units from Category 1 or 2</td>
</tr>
<tr>
<td>Category 3</td>
<td>10 units of Category 1, 2, or 3</td>
</tr>
</tbody>
</table>
MIMG Major Requirements

• FIVE UPPER DIVISION FOUNDATION COURSES
• LAB COURSES
• TWO FOCUS ELECTIVES
• GENERAL ELECTIVE (4 UNITS)
MIMG Major Requirements

## Upper Division Foundation Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 153A</td>
<td>Biochemistry: Introduction to Structure, Enzymes, and Metabolism</td>
</tr>
<tr>
<td>CHEM 153B</td>
<td>Biochemistry: DNA, RNA, and Protein Synthesis</td>
</tr>
<tr>
<td>or MIMG 132</td>
<td>Cell Biology of Nucleus</td>
</tr>
<tr>
<td>LIFESCI 107</td>
<td>Genetics</td>
</tr>
<tr>
<td>MIMG 101</td>
<td>Introductory Microbiology</td>
</tr>
<tr>
<td>MIMG C185A</td>
<td>Immunology</td>
</tr>
</tbody>
</table>
# MIMG Major Requirements

<table>
<thead>
<tr>
<th>Lab Courses</th>
<th>Path I</th>
<th>Path II</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Path I</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIMG 103BL – Advanced Research Analysis in Virology</td>
<td></td>
<td>MIMG 196B – Research Apprenticeship II + MIMG 180B – Scientific Analysis &amp; Communication II</td>
</tr>
</tbody>
</table>
MIMG Major Requirements

Focus Electives (Choose Two)

<p>| | | |</p>
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>CHEM 153A, 153B, 153L</td>
<td>MCDB 138, 165A</td>
<td>MIMG 102, 105, 132, CM156, 158, 168</td>
</tr>
</tbody>
</table>
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, 23L)
- 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

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information, services, and resources

PreHealthUCLA
upcoming events and opportunities
Questions?

Additional questions? Send us an email!

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Thank You