## Molecular, Cellular, and Developmental Biology

### Prerequisites for entering the major

- **Biophysical:** BIOL 101, 102, 103, and 104
- 1 course in MATH 115 or higher or S&DS course at Yale
- 2 terms in CHEM and 1 term in PHYS
- 5.5 Course Credits beyond prereqs

### Required Courses

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<tr>
<th>Degree</th>
<th>BA</th>
<th>BS</th>
<th>BS Intensive</th>
<th>BS/MS</th>
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<td>BIOL 101, 102, 103, and 104</td>
<td>1 course in MATH 115 or higher or S&amp;DS course at Yale</td>
<td>2 term lecture sequence in CHEM + 2 Labs</td>
<td>3 courses from MCDB 200, 202, 205, 210, 290, 300 (or MBB 300)</td>
<td>5.5 Course Credits beyond prereqs (consult DUS)</td>
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<tr>
<td>2 courses from MCDB 200, 202, 205, 210, 290, 300 (or MBB 300)</td>
<td>2 terms PHYS</td>
<td>1 term Organic CHEM + 1 Lab</td>
<td>11 Course Credits beyond prereqs</td>
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<td>2 MCDB Labs</td>
<td>2 General Electives from core courses or upper level MCDB courses (MCDB 250 and above)</td>
<td>4 Graduate level electives</td>
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<td>1 Special Elective from MCDB 350 or higher</td>
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### Special Track Requirements

- **Biotechnology:** MCDB 370; 1 elective from MCDB 350 or higher; 1 elective from MB&B 420, 443, BENG 351, 352, 410, 435, 463, CENG 411, 412, CPSC 437, 470, or 475.
- **Neurobiology:** MCDB 320; 1 elective from MCDB 350 or higher; 1 elective from BENG 410, CPSC 475, MCDB 250, 310, 315, 361, 415, 425, 430, PSYC 270, S&DS 101.
- **Quantitative Biology:** MCDB 330; 1 elective from MCDB 350 or higher; 1 elective from MCDB 320, 461, BENG 463, 467, MB&B 302, 435, 452, 523, PHYS 402, MATH 246, 251, or CPSC 475

### Senior Requirements

- MCDB 485/486 or MCDB 475
- MCDB 495/496 or MCDB 475
- MCDB 495/496 or MCDB 475
- MCDB 585 (jr. spring) or MCDB 595/596 (sr. year) (6 credits)

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