## MCDB Major - 2021 and Beyond

<table>
<thead>
<tr>
<th>Prerequisites</th>
<th>Minimum Credits</th>
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<th>Minimum Credits</th>
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<tbody>
<tr>
<td><strong>MCDB BS</strong></td>
<td></td>
<td><strong>MCDB BA</strong></td>
<td></td>
</tr>
<tr>
<td>Foundations BIOL 101-104 (2 terms)</td>
<td>2.00</td>
<td>Foundations BIOL 101-104 - 2 terms</td>
<td>2.00</td>
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<tr>
<td>General Chemistry (2 terms)</td>
<td>2.00</td>
<td>General Chemistry/Physics (3 terms)**</td>
<td>2.00</td>
</tr>
<tr>
<td>General Chemistry Labs (2 terms)</td>
<td>1.00</td>
<td>Math (1 term of MATH 115 or higher or STAT course))</td>
<td>1.00</td>
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<tr>
<td>Organic Chemistry (1 term)</td>
<td>1.00</td>
<td><strong>For students satisfying one or more prerequisites with AP scores, requirement is still to take any 3 terms of CHEM and PHYS courses at Yale with at least 1 from each department.</strong></td>
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<tr>
<td>Organic Chemistry Lab (1 term)</td>
<td>0.50</td>
<td>*MATH 115 or higher or STAT course at Yale)</td>
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<tr>
<td>Physics (2 terms)</td>
<td>2.00</td>
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<tr>
<td>Math (1 term*)</td>
<td>1.00</td>
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### Core (Choose any 3)
- MCDB 200 Molecular Biology
- MCDB 202 Genetics
- MCDB 205 Cell Biology
- MCDB 210 Developmental Biology
- MCDB 290 Microbiology
- MCDB 300 Biochemistry
  *OR*
- MBB 300 Principles of Biochemistry I

### General Electives
Choose 2 from MCDB numbered 250 or above
(2nd term Orgo Chem & Stats acceptable)
(May also choose 2 from the Core list above, once Core courses have been fulfilled)

### Special Electives
Choose 1 from MCDB numbered 350 or above

### Labs
2 Labs from MCDB required

### Senior Requirement
- MCDB 475 (2 terms)
  *OR*
- MCDB 485/486 (Preferred)

### MCDB BS INT
Prerequisites (same as BS) 9.50
Core (same as BS) 3.00
General Electives (same as BS) 2.00
Special Electives (same as BS) 1.00
Labs (same as BS) 1.00
Senior Requirement - MCDB 495/496 4.00

### Total
18.50

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### MCDB BA
Prerequisites (same as BS) 9.50
Core (same as BS) 3.00
General Electives (same as BS) 2.00
Special Electives (same as BS) 1.00
Labs (same as BS) 1.00
Senior Essay 0.0
Senior Essay OR MCDB 475 (1 term) 1.0

### Total
10.50

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* These requirements were formally approved by the Yale college Faculty for the Classes of 2021 and beyond.

Students in the Class of 2020 and previous classes may fulfill the requirements of the major that were in place when they entered the major in MCDB, OR; they may fulfill the requirements for the major as described herein for the Class of 2021 and beyond.