# Neurobiology Track Worksheet

## General Chemistry Prerequisites:
- General Chemistry
  - (2 terms - 161/165; or 163/167; or its equivalent)
- General Chemistry Labs
  - (2 terms - 134L/136L)

## Organic Chemistry Prerequisites: (BS & BS/INT only)
- Organic Chemistry (1 term - 174a; or 175b; or 220a)
- Organic Chemistry Lab (1 term - 222L; or 223L; or 226L)
  - (BS/BS INT only: Completion of the Freshman Organic Chemistry sequence 174/175 and 222L/223L satisfies all of the Chemistry prerequisites for the MCDB major)

## Physics Prerequisites:
- Physics (170/171; or 180/181; or 200/201; or 260/261)
- BS & BS INT: 2 terms

## Math Prerequisites:
- Math 115 or higher (1 term - not including Math 190)

## Core Courses: (BS & BS INT - Choose any 3)

<table>
<thead>
<tr>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCD 200b</td>
<td>Molecular Biology</td>
<td>MCD 290b</td>
<td>Microbiology</td>
</tr>
<tr>
<td>MCD 202a</td>
<td>Genetics</td>
<td>MCD 310a</td>
<td>Physiological Systems</td>
</tr>
<tr>
<td>MCD 205b</td>
<td>Cell Biology</td>
<td>MCD 320a</td>
<td>Neurobiology</td>
</tr>
<tr>
<td>MCD 210a</td>
<td>Developmental Biology</td>
<td>MCD 430a</td>
<td>Biology of the Immune System</td>
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**EITHER:** MCD 300b Biochemistry OR: M8&B 300a Principles of Biochemistry

## General Electives: (2 Total)

- Required Track Course: MCD 320a Neurobiology
  - **(Choose 1 additional elective below)**
    - MCD 361b Dynamical Systems in Biology
    - MCD 430a Biology of the Immune System
    - MCD 440b Brain Development & Plasticity
    - PSYC 200b Statistics (not if STAT 101-9 is taken)
    - PSYC 270a Research Methods Behavioral Neuro
    - PSYC 320a Cognitive Neuroscience
    - PSYC 376a Basics of Learning and Memory

## Special Elective:
- BS & BS INT: Choose 1 from MCD 350 or above

## Labs:
- BS & BS INT: Choose 2 labs (must be from MCD)

## Senior Requirement:
- BS: (2 terms of Research)
  - MCD 475 a or b Independent Research for Senior Requirement in MCDB
  - MCD 485/486 Senior Requirement MCDB BS Major
  - **MCDB 485/486 is preferred - but 2 terms of MCD 475 (+summer) will satisfy this req**
- BS INT: (2 terms of Intensive Research)
  - MCD 495/496 Senior Requirement MCDB BS INT Major