### Undergraduate Neuroscience Curricula in Universities and Colleges

#### (Richard Olivo)

<table>
<thead>
<tr>
<th>Rank (US News)</th>
<th>4</th>
<th>5</th>
<th>7</th>
<th>9</th>
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<th>13</th>
<th>15</th>
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<th>20</th>
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<tr>
<td>University</td>
<td>Columbia</td>
<td>Penn</td>
<td>MIT</td>
<td>Dartm</td>
<td>Duke</td>
<td>JHU</td>
<td>Brown</td>
<td>Vand</td>
<td>Emory</td>
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#### Foundation courses:
- Physics: 2-3
- Chemistry: 2
- Math/Statistics: 0-1
- Computer Science: 0-2
- **Total courses in major:**

#### Advanced elective:
- Introductory: 2
- Advanced specified: 1(b)
- Advanced elective: 0-1

#### Psychology courses:
- Introductory: 1-4
- Advanced specified: 1-9
- Advanced elective: 0-8

#### Neuroscience courses:
- Introductory: 4-7
- Advanced specified: 3.5-11.5
- Advanced elective: 1-9
- **Total courses in major:** 12

#### Minimum neuroscience:
- Introductory: 4
- Advanced specified: 3.5
- Advanced elective: 1
- **Total courses in major:** 12

#### Maximum neuroscience:
- Introductory: 7
- Advanced specified: 11.5
- Advanced elective: 9
- **Total courses in major:** 12

### NOTES:

(a) Penn majors may count up to 5 courses in physics, mathematics, and organic chemistry as electives.

(b) MIT requires all undergraduates to take two introductory courses in physics and mathematics, and one course each in chemistry and biology. These 6 courses have been added to the 13 specified in the major.

(c) Dartmouth requires statistics plus four "prerequisites" chosen from 11 courses in physics, chemistry, mathematics, and computer science.

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<tbody>
<tr>
<td>College</td>
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<td>Wels</td>
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<td>Vass</td>
<td>Wesl</td>
<td>Smi</td>
<td>W&amp;L</td>
<td>Ham</td>
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</table>

#### Foundation:
- Introductory: 2
- Advanced specified: 1
- Advanced elective: 0-2
- **Total courses in major:** 12

#### Biology:
- Introductory: 1-3
- Advanced specified: 1
- Advanced elective: 0-1
- **Total courses in major:** 7

#### Neuroscience:
- Introductory: 3-5
- Advanced specified: 4
- Advanced elective: 1-3
- **Total courses in major:** 7