

**B.S. in Neuroscience**  
**REPRESENTATIVE EIGHT-TERM PLAN (Students entering Su/F 2017)**  
**Health and Medical Sciences (HMS) Breadth Elective Concentration/Minor**

This representative eight-term plan is designed to allow students to complete a pre-health curriculum. It includes a full year of English, Mathematics, Biology, Physics, General Chemistry and Organic Chemistry, and one semester of Organic Lab.

<p><b>First Year</b></p> <p><i>Fall semester</i>            APPH 1040/1050 (2 cr.)            CHEM 1211K (4 cr., area F)            ENGL 1101 (3 cr., area A)            MATH 1551 (2 cr., area D)            BIOL 1510 (4 cr., area F)            GT1000 (1 cr.)</p> <p style="text-align: right;"><i>Total: 16 cr.</i></p> <p><i>Spring semester</i>            CHEM 1212K (4 cr., HMS Breadth Elective)            MATH 1552 or 1555 (4 cr.)            ENGL 1102 (3 cr., area A)            PSYC 1101 (3 cr., area E)</p> <p style="text-align: right;"><i>Total: 14 cr.</i></p>	<p><b>Third Year</b></p> <p><i>Fall semester</i>            CS requirement (3 cr., area B)            BIOL 1520 (4 cr., Free Elective)            APPH 4400 (3 cr.)            CHEM 3511 or 4511 (3 cr., area F)<sup>b</sup>            PSYC 4020 (3 cr.)</p> <p style="text-align: right;"><i>Total: 16 cr.</i></p> <p><i>Spring semester</i>            Social Science elective (3 cr., area E)            NEURO 3010 (3 cr.)            Neuroscience elective (4 cr.)            HMS Breadth Elective 3XXX/4XXX (3 cr.)            Free Elective (3 cr.)</p> <p style="text-align: right;"><i>Total: 16 cr.</i></p>
<p><b>Second Year</b></p> <p><i>Fall semester</i>            CHEM 2311 (3 cr., area F)<sup>a</sup>            MATH 1553 (2 cr., area D)            NEUR 2001 (4 cr., Area F)            Free Elective (3 cr.)            PHYS 2211K (4 cr., area D)</p> <p style="text-align: right;"><i>Total: 15 cr.</i></p> <p><i>Spring semester</i>            Social Science elective (3 cr., area E)            CHEM 2312 (3 cr., Free Elective)            CHEM 2380 (2 cr., HMS Breadth Elective)            NEURO 3001 (3 cr.)            PHYS 2212K (4 cr., area D)</p> <p style="text-align: right;"><i>Total: 16 cr.</i></p>	<p><b>Fourth Year</b></p> <p><i>Fall semester</i>            Humanities elective (3 cr., area C)            Neuroscience elective (4 cr.)            Neuro elective - NEUR 4001 or 4699<sup>c</sup> (4 cr.)            Humanities elective (3 cr., area C)</p> <p style="text-align: right;"><i>Total: 14 cr.</i></p> <p><i>Spring semester</i>            Social Science elective (3 cr., area E)            Neuroscience elective (6 cr.)            HMS Breadth Elective 3XXX/4XXX (3 cr.)            HMS Breadth Elective 3XXX/4XXX (3 cr.)</p> <p style="text-align: right;"><i>Total: 15 cr.</i></p>

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<sup>a</sup> CHEM 2311 is an approved substitution for CHEM 1315 to fulfil Area F only for students who complete a full year of organic chemistry (i.e., both CHEM 2311 and CHEM 2312 must be completed). CHEM 2312 may be applied as part of a Breadth Elective Specialization or as a Free Elective. CHEM 2311 has an additional prerequisite: CHEM 1212K, which may be taken as a Breadth Elective (in the HMS specialization) or as a Free Elective.

<sup>b</sup> CHEM 4512 is an approved substitution for a student who is completing a full year of biochemistry (i.e., both CHEM 4511 and 4512 must be completed) as part of a Breadth Elective Specialization or as Free Electives. CHEM 4511 has an additional prerequisite: CHEM 2312, which may be taken as Breadth Elective or Free Elective.

<sup>c</sup> NEUR 4699 (4 cr) may be used in place of NEUR 4001 only if the student completes the Georgia Tech Research Option. This option requires an additional 5 cr. of NEUR 2699 or 4699. 3 cr. of NEUR 4699 may be applied to "Additional Neuroscience Electives", the remaining 2 cr. will be applied to Free Electives), along with both LMC 4701 (1 cr.) and LMC 4703 (1 cr.), or equivalent, as free electives. A student may request, via their academic advisor to the Neuroscience Undergraduate Curriculum Committee, to have any other XXXX 4699 courses to be considered equivalent to NEUR 4699 when the project is clearly relates to neuroscience.

*Rev: October 30, 2017*