

## B.S. in Neuroscience COURSE CHECKLIST

Name (Last, First)

Date

**Note:** Any particular course may only be applied to satisfy a single category below [1-4]

[1] USG/GIT Core (areas A-F + health): 63 cr.

Subject	Course No.	Semester	Year	cr.	grade
<b>Area A:</b>					
ENGL	1101	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
ENGL	1102	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
MATH 1552 or 1555	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
<b>Area B:</b>					
CS 1301, 1315 or 1371	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
<b>Area C: Humanities electives (6 cr.)</b>					
_____	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
_____	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
<b>Area D:</b>					
MATH	1551	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
MATH	1553	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
PHYS	2211K	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
PHYS	2212K	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
<b>Area E Social Science elective (12 cr.)</b>					
PSYC	1101	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
_____	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
_____	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
_____	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
<b>Area F</b>					
BIOL	1510	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
CHEM 1310 or 1211	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
CHEM 1315 <sup>a</sup>	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
CHEM 3511 <sup>b</sup>	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
NEUR	2001	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
<b>Health</b>					
APPH 1040 or 1050	_____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		

<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 taken Free Elective.

<sup>b</sup> CHEM 4511 is an approved substitution for CHEM 3511 to fulfil Area F only for students who complete a full year of biochemistry (i.e., both CHEM 4511 and CHEM 4512 must be completed, with CHEM 4511 applied as part of the Breadth Elective Specialization or Free Electives).

Total Number of Credits Area A-F & Health:      /63

[2] Major Requirements: 30 cr.

Subject	Course No.	Semester	Year	cr.	Grade
<b>Neuroscience Core (12 cr.)</b>					
APPH	4400	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
NEUR	3001	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
PSYC	4020	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		
NEUR	3010	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	___		

Options	Check one selection	Semester	Year	cr.	Grade
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### Neuroscience Depth Electives (18 cr.)

#### One Research-based Elective (4 cr.)

NEUR 4001  
or NEUR 4699 <sup>a</sup> ☐ F ☐ Sp ☐ Su \_\_\_\_

#### One Interest Elective (3 or 4 cr.)

Molecular/ BIOL 3450 (3 cr.)  
Cellular and 3451 (1 cr.)  
  
or Systems APPH 3755 (3 cr.)  
and 3756 (1 cr.) ☐ F ☐ Sp ☐ Su \_\_\_\_  
☐ F ☐ Sp ☐ Su \_\_\_\_

or Behavior/ PSYC 4090 (3-0-3)  
Cognition

#### One Statistics Elective (3 or 4 cr.)

PSYC 2020 (3-3-4)  
or BIOL 4401 (3-0-3)  
or MATH 3215,3225,3670 (3-0-3)  
or ISYE/CEE 3770 (3-0-3) ☐ F ☐ Sp ☐ Su \_\_\_\_

#### Additional Neuroscience Electives (6-8 cr.) - see list of approved courses

\_\_\_\_ ☐ F ☐ Sp ☐ Su \_\_\_\_  
\_\_\_\_ ☐ F ☐ Sp ☐ Su \_\_\_\_  
\_\_\_\_ ☐ F ☐ Sp ☐ Su \_\_\_\_

<sup>a</sup> NEUR 4699 only substituted for NEUR 4001 with completion of Research Option, which requires: (i) additional 2 cr. of NEUR 4699 applied to "Additional Neuroscience Electives"; (ii) 3 cr. NEUR 2699 or 4699 applied to Free Electives; and (iii) LMC 4701 (1 cr.) and LMC 4703 (1 cr.), or approved equivalent, applied to Free Electives.

Total Number of Major Credits: /30

**[3] Breadth Elective Specialization** (Completion of a breadth elective specialization in Biochemistry, Biology, Chemistry, Computer Science, Engineering, Health and Medical Sciences, Mathematics, Physics, Physiology or Psychology, see list of approved breadth electives).

Subject	Course No.	Semester	Year	cr.	Grade
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		

Total Number of Breadth Credits: /15

**[4] Free Electives** (additional credits to make 122 credits overall; number varies)

Subject	Course No.	Semester	Year	cr.	Grade
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		
____	____	<input type="checkbox"/> F <input type="checkbox"/> Sp <input type="checkbox"/> Su	____		

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Total Number of Credits: /122