

**Multidisciplinary Studies - Neuroscience Check Sheet (min. 120 hrs total)**

Cat Yr: \_\_\_\_\_

Name: \_\_\_\_\_

Banner ID: \_\_\_\_\_

Date: \_\_\_\_\_

1. Certain interdisciplinary courses may be used to satisfy certain foundations curriculum requirements; core NEUR courses may satisfy core PSYC courses; core NEUR courses may be used to satisfy minor PSYC courses as long as NEUR is the major.
2. Must have 12 hours of writing intensive (WI) courses.
3. No course can count for both General College and major requirements.
4. Core courses and electives listed may count for both NEUR and PSYC double-majors. Any PSYC-titled course elective that is listed for NEUR can count towards an elective or core for PSYC (even if the NEUR elective is not listed as an elective in the PSYC program requirements – e.g., PSYC 3311 is not listed as a PSYC elective in the PSYC program, but may be an elective for both majors if PSYC 3310 has already been taken).

**Core Program Courses (35-36 SH)****Course Number****SH****Grade(s)**

Principles of Biology and Laboratory II	<input type="checkbox"/> BIOL 1200 <input type="checkbox"/> BIOL 1201	3, 1	,
General Chemistry and Laboratory II	<input type="checkbox"/> CHEM 1160 <input type="checkbox"/> CHEM 1161	3, 1	,
Introductory Psychology or Honors Intro Psyc	<input type="checkbox"/> PSYC 1000 or <input type="checkbox"/> PSYC 1060	3	
Psychological Statistics	<input type="checkbox"/> PSYC 2101	4	
<b>Or Elementary Statistical Methods I</b>	<input type="checkbox"/> Math 2228	3	
Research Methods in Psychology (WI)	PSYC 2210	4	
Introduction to Neuroscience	PSYC 3310	3	
General Physics & Lab	<input type="checkbox"/> PHYS 1250 <input type="checkbox"/> PHYS 1251	3, 1	,
General Physics & Lab	<input type="checkbox"/> PHYS 1260 <input type="checkbox"/> PHYS 1261	3, 1	,
<b>Or University Physics (two semesters)</b>	<input type="checkbox"/> PHYS 2350 <input type="checkbox"/> PHYS 2360	4, 4	,
Neuroscience Thesis I (WI) (mentor required)	NEUR 4950	3	
Neuroscience Thesis II (WI) (mentor required)	NEUR 4951	3	
<b>Total SH</b>			

**Laboratory Research Courses: Any two from the following (5-6 SH)** All require a mentor and a Directed Readings/Research contract form signed by the mentor and student (this form can be downloaded from the neuroscience website).

Lab Methods in Cellular & Molecular Neuroscience	NEUR 4201	2	
Lab Methods in Behavioral Neuroscience	PSYC 4312	3	
Neuroscience: Literature & Lab Experience	PSYC 4315 (may repeat 1 time)	3	
<b>Total SH</b>			

**Capstone (6 SH)**

Cellular & Molecular Neuroscience <b>Or Advanced Topics Seminar – Neurobiology of Learning and Memory</b>	NEUR 4900 PSYC 4250 (must be Dr. Tran's section)	3	
Behavioral & Integrative Neuroscience	NEUR 4901	3	
<b>Total SH</b>			

**Neuroscience Electives: B.A. (9 SH), B.S. (21 SH)** \*Requires a co-requisite lab course; see catalog for details.

Survey of Human Physiology & Anatomy, Lab	<input type="checkbox"/> BIOL 2130 <input type="checkbox"/> BIOL 2131	4, 1	,
Principles of Genetics	BIOL 2300	3	
Cellular Physiology and Lab	<input type="checkbox"/> BIOL 3310 <input type="checkbox"/> BIOL 3311	4, 0	,
Principles of Animal Physiology	BIOL 3320	3	
Biological Evolution, Lab (formerly BIOL 3520 only)	<input type="checkbox"/> BIOL 3620 <input type="checkbox"/> BIOL 3621	3, 1	,
Transmission Electron Microscopy, Lab	<input type="checkbox"/> BIOL 5510 <input type="checkbox"/> BIOL 5511	4, 0	,
Scanning Electron Microscopy and X-Ray Analysis, Lab	<input type="checkbox"/> BIOL 5520 <input type="checkbox"/> BIOL 5521	2, 0	,
Principles of Biochemistry I (Co-req is BIOL 5821)	<input type="checkbox"/> BIOL 5800 <input type="checkbox"/> BIOL 5821 (see UG cat)	3, 1	,
Principles of Biochemistry II (Co-req is BIOL 5821)	<input type="checkbox"/> BIOL 5810 <input type="checkbox"/> BIOL 5821 (see UG cat)	3, 1	,
Organic Chemistry I and Lab I	<input type="checkbox"/> CHEM 2750 <input type="checkbox"/> CHEM 2753	3, 1	,
Organic Chemistry II and Lab II	<input type="checkbox"/> CHEM 2760 <input type="checkbox"/> CHEM 2763	3, 1	,
Literature in Neurosciences	NEUR 4200 (requires mentor and Directed Readings/Research contract)	1	
Introduction to Philosophical Issues in Biology	PHIL 1262	3	
Introduction to Philosophy of Science	PHIL 2261	3	
Philosophy of Mind	PHIL 3255	3	
Psychology of Learning	PSYC 3225	3	
Cognitive Psychology	PSYC 3226	3	
Comparative & Evolutionary Psychology (Banked Course)	PSYC 3290	3	
Neuropsychology	PSYC 3311	3	
Sensation & Perception	PSYC 3312	3	
Behavioral Pharmacology Seminar (formerly PSYC 5320)	PSYC 4340	3	
<b>Total SH</b>			

**General College (must take Foundations Curriculum "FC" designated course, except electives)**

<b>English Courses (6 SH)</b>	<b>Course Number</b>	<b>SH</b>	<b>Grade(s)</b>
Composition (WI)	ENGL 1100	3	
Composition (WI)	ENGL 1200	3	
<b>Total SH</b>			

**Science Courses (8 SH)** Select courses from BIOL\*, CHEM\*, GEOL, PHYS (\*Can also be HNRS or Interdisciplinary Studies). At least one lab course must accompany a lecture course. Note that CHEM 1150,1151 and BIOL 1100,1101 are pre-requisites for CHEM 1160,1161 and BIOL 1200,1201 (see p.1)

Principles of Biology and Laboratory I	<input type="checkbox"/> BIOL 1100	<input type="checkbox"/> BIOL 1101	3, 1	,
General Chemistry I and Laboratory	<input type="checkbox"/> CHEM 1150	<input type="checkbox"/> CHEM 1151	3, 1	,
<b>Total SH</b>				

**Social Science Courses (12 SH)** Select courses from at least 3 of the following: ANTH, COMM\*, HNRS\*\*, Interdisciplinary Studies\*\*, ECON, GEOG, HIST, POLS, PSYC, SOCI. Courses cannot count for both the social science requirement and a Neuroscience Major requirement. \*COMM 1001, COMM 3152, COMM 3172, COMM 3390 count as SS courses. \*\*Certain courses apply.

<b>Total SH</b>				

**Mathematics (3 SH)** One course at least equivalent to MATH 1050, 1065, 1066, 1067, or 2127, or PHIL 1500

<b>Total SH</b>				

**Humanities & Fine Arts (10 SH)** At least 1 course in Humanities\* (ENGL Lit, American Lit, FORL Lit, PHIL) and 1 course in Fine Arts (Art, Dance, Music, Speech, Theatre Arts). COMM 2020, COMM 2410, COMM 2420 count as FA courses. \*Certain HNRS and Interdisciplinary courses apply.

<b>Total SH</b>				

**Health & Physical Education (3 SH)**

<b>Total SH</b>				

**Foreign Language (12 SH)** Required for B. A. degree only. Must complete through 1004 in one language.

			3	
			3	
			3	
			3	
<b>Total SH</b>				

**General Electives (Enough Courses to Total 120 SH)**

<b>Total SH</b>				