

## Neuroscience Track Graduation Checklist

Students entering the Neuroscience Track must have and maintain a minimum cumulative GPA of 3.0

Student's name \_\_\_\_\_ SPIRE ID \_\_\_\_\_

### 1. Six required courses

- Psych 100: Introductory Psychology or Psychology 110: Psychology As Natural Science
- Psych 240: Statistics in Psychology
- Psych 241: Methods of Inquiry in Psychology (should be completed by the end of 1<sup>st</sup> semester of Junior Year)
- Psych 330: Introduction to Neuroscience (formerly Behavioral Neuroscience)
- Psych 392A: Junior Year Writing Seminar
- Psych 494PI: Professional Development in Psychology (Integrative Experience course; when taken in combination with a Psych 391 seminar, this course will satisfy the IE; they don't need to be taken concurrently)

### 2. Two of the following

- Psych 315: Cognitive Psychology
- Psych 320: Learning and Thinking
- Psych 335: Behavioral Neuroendocrinology

### 3. One of the following

- Psych 350: Developmental Psychology
- Psych 360: Social Psychology
- Psych 380: Abnormal Psychology

### 4. One of the following (note that any option can be used for the advanced neuro elective but only Psych 391 seminars can count towards the Integrative Experience requirement)

- Advanced neuroscience elective (at least 3 credits, 500 level or above; e.g. Bio 572, Psych 530 or 535)
- Psych 391 or 591 seminar in a **neuroscience topic area**

### 5. Lab course requirement (one of the following; at least 3 credits, graded)

- Psych 430: Laboratory in Neuroscience (offered in spring semester only)
- Psych 496A: Independent Study in Psychology (Neuroscience labs only)
- Psych 499T: Honors Thesis in Psychology (Neuroscience labs only)
- Bio 499T: Honors Thesis in Biology (Neuroscience labs only)
- Independent study (graded) or honors thesis may be taken with any faculty member associated with the NSB Program, for example Bio 396 or 496 (Independent Study). See <http://gpls.cns.umass.edu/nsb/research/faculty> for a list of NSB Program faculty members and their research interests.

### 6. Math (one of the following)

- Computer Science 121(no longer offered), Informatics 190S, or CICS 110
- two calculus courses (Math 127 & 128) or (Math 127 & 132) or (Math 131 & 132) or (Math 131 & 128)

### 7. Introductory Biology (one of the following)

- Biol 151, 152, & 153
- Biol 110 (formerly 102; note that Biol 110 may not fulfill prerequisite for some upper level Biology electives)

### 8. Biology elective

- at least 3 credits: 285, 288, 311 (formerly 283) or 300+
- See Neuroscience Track Advisor for prior approval of 300+ Biology course*

### 9. Chemistry (both of the following)

- General Chemistry: 111/112 or 121/122
- Organic Chemistry: 261/262, & 269 (or 263/264)

### 10. Physics 131/132, or 151/152

### 11. Biology 285 or 559 or Biochem 285 or 320 (formerly 420), or 423/424 (Bio 285 cannot be used to fulfill both requirements 8 & 11)