

**WITTENBERG UNIVERSITY – DEPARTMENT OF PSYCHOLOGY**

**Requirements for the Neuroscience Minor**

The Neuroscience minor requires at least 20 credits from the following:

**Core Courses** (*minimum of 15 credits*)

| <u>Course #</u> | <u>Course Name</u>             | <u>Semester Hours</u> | <u>Prerequisites/Notes</u> |
|-----------------|--------------------------------|-----------------------|----------------------------|
| _____ BIOL 210  | Molecular Neurobiology         | 5                     | BIOL 170, 180              |
| _____ BIOL 220B | Neurobiology                   | 5                     | BIOL 170, 180 or PSYC 110  |
| _____ PSYC 311B | Behavioral Neuroscience        | 5                     | PSYC 110, 201              |
| _____ PSYC 231B | Learning, Memory and Cognition | 5                     | PSYC 120, 202              |

**Elective Courses** (*minimum of 4 credits*)

| <u>Course #</u> | <u>Course Name</u>             | <u>Semester Hours</u> | <u>Prerequisites/Notes</u>   |
|-----------------|--------------------------------|-----------------------|------------------------------|
| _____ BIOL 210  | Molecular Neurobiology         | 5                     | BIOL 170, 180                |
| _____ BIOL 220B | Neurobiology                   | 5                     | BIOL 170, 180 or PSYC 110    |
| _____ BIOL 221  | Pharmacology                   | 4                     | BIOL 170, 180                |
| _____ BIOL 325  | Human Anatomy and Physiology I | 5                     | BIOL 170, 180, BIOL elective |
| _____ BIOL 324  | Animal Physiology              | 5                     | BIOL 170, 180; CHEM 162      |
| _____ CHEM 271  | Principles of Biochemistry     | 4                     | CHEM 201; BIOL 170, 180      |
| _____ COMP 260  | Comp. Models and Methods       | 5                     | COMP 150                     |
| _____ COMP 350Q | Artificial Intelligence        | 4                     | MATH 271, COMP 250           |
| _____ MATH 327  | Statistical Modeling           | 4                     | MATH 227                     |
| _____ MATH 337  | Statistical Design             | 4                     | MATH 227                     |
| _____ MATH 205  | Applied Matrix Algebra         | 4                     | MATH 201                     |
| _____ PHIL 203  | Mysteries of Self and Soul     | 4                     |                              |
| _____ PSYC 202  | Experimental Design            | 5                     | PSYC 201 or MATH 127, 227    |
| _____ PSYC 211  | Sensation and Perception       | 4                     | PSYC 110                     |
| _____ PSYC 311  | Behavioral Neuroscience        | 5                     | PSYC 110, 201                |
| _____ PSYC 321B | Learning, Memory and Cognition | 5                     | PSYC 120, 202                |

**Capstone Experiences**

|                |                       |     |                 |
|----------------|-----------------------|-----|-----------------|
| _____ NEUR 492 | Neuroscience Research | 0-5 | Junior Standing |
| _____ NEUR 493 | Internship            | 0-5 |                 |
| _____ NEUR 495 | Capstone Seminar      | 0   | NEUR 492 or 493 |

(prerequisite or co-requisite)

Notes:

Core courses taken from the required courses list may NOT double as electives

Elective courses taken for the neuroscience may NOT count towards a student's major in Biology or Psychology.

Please see your minor advisor for details.

This minor is intended primarily for Biology and Psychology majors and minors.