

**NEW College Core Requirements**

| Semester Taken   | Requirement                                 | Fulfilled by (Course)                                  |
|--|---|--|
|  | CIE-100                                     |  |
|  | CIE-200                                     |  |
| <i>Three courses. One course satisfying each of the following learning goals. No more than two can be taken within a student's major department.</i>   |   |  |
|  | <b>DN</b> Engage diversity and inequality   |  |
|  | <b>GN</b> Examine global interconnections   |  |
|  | <b>O</b> Consider obligations               |  |
| <i>One course satisfying each of the Ways of Asking requirements, except for the A requirement which can be fulfilled by one three- or four- credit course, or a total of four credits over multiple semesters. Although typically courses only will have one of these designations, a single course under question 3 can fulfill multiple question 3 or a combination of question 2 and 3 requirements.</i> |   |  |
|  | <b>A</b> Artistic/performance               |  |
|  | <b>R</b> Deductive reasoning (was M Math)   |  |
|  | <b>H</b> Humanistic inquiry                 |  |
|  | <b>Q</b> Quantitative reasoning             | PSYC-200Q Introductory Research Methods and Statistics |
|  | <b>S</b> Scientific inquiry/experimentation |  |
|  | <b>SS</b> Social scientific inquiry         | PSYC-100 Introductory Psychology                       |
| <i>Two courses, both in the same language, satisfying the requirement:</i>   |   |  |
|  | <b>L</b> Foreign Language                   |  |
|  | <b>L</b> Foreign Language                   |  |
| <i>Linked Inquiry requirement - Satisfied by completing one course that meets the linked requirements. (See catalog)</i>   |   |  |
|  | <b>LINQ</b> Linked Inquiry requirement      |  |
| <i>Satisfied by completing any course designated CCAP.</i>   |   |  |
|  | <b>CCAP</b> Core Capstone                   |  |
| <i>Experiential Learning Project (XLP) by completing independent research, an internship, study abroad, student teaching or civic engagement.</i>  |   |  |
|  | <b>XLP</b> Experiential Learning Project    |  |

**Foundation Courses (2 courses)**

**Psychology Major Requirements**

| Semester | Course    | Course Title (Designation)                   |
|----------|-----------|--|
|          | PSYC-100  | Introductory Psychology ( <b>SS</b> )        |
|          | PSYC-200Q | Introductory Research Methods and Statistics |

Each student must select four courses, each one from a different content area, at least two of which must be at the 300-level.

| Semester                                | Course            | Course Title (Designation)  |
|---|-------------------|---|
| <b>Health</b>                           |                   |   |
|   | PSYC/GWSS/IDS-214 | Human Sexuality   |
|   | PSYC-311          | Health Disparities ( <b>O</b> )                                   |
|   | PSYC-312          | Health Psychology: Health Beliefs, Behaviors, and Behavior Change |
| <b>Clinical/Personality</b>             |                   |   |
|   | PSYC-220          | Mental Health and Abnormal Psychology                             |
|   | PSYC-320          | Psychopathology and Psychotherapy                                 |
|   | PSYC-322          | Personality   |
| <b>Cognitive/Cognitive Neuroscience</b> |                   |   |
|   | PSYC/NEUR-230     | Sensation and Perception  |
|   | PSYC-232          | Learning  |
|   | PSYC/NEUR-330     | Behavioral Neuroscience ( <b>SS</b> )                             |
|   | PSYC/NEUR-332     | Cognitive Neuroscience ( <b>SS</b> )                              |
| <b>Developmental</b>                    |                   |   |
|   | PSYC-240          | Lifespan Development  |
|   | PSYC-340          | Child Development   |
|   | PSYC-342          | Adolescent Development  |
| <b>Social</b>                           |                   |   |
|   | PSYC-250          | Industrial/Organizational Psychology ( <b>DN</b> )                |
|   | PSYC-252          | Relationship Science  |
|   | PSYC-350          | Social Psychology: Social Cognition and Influence ( <b>DN</b> )   |
|   | PSYC-352          | Social Psychology: Self and Interpersonal Relations ( <b>DN</b> ) |

Advanced Research Methods Courses: Each student must select one course from at least two different content areas (two courses total).

| Semester                                | Course         | Course Title (Designation)  |
|---|----------------|---|
| <b>Health</b>                           |                |   |
|   | PSYC-410W      | Advanced Research Methods in Health Psychology                    |
| <b>Clinical/Personality</b>             |                |   |
|   | PSYC-420W      | Advanced Research Methods in Psychopathology                      |
| <b>Cognitive/Cognitive Neuroscience</b> |                |   |
|   | PSYC/NEUR-430W | Advanced Research Methods in Behavioral Neuroscience ( <b>S</b> ) |
|   | PSYC/NEUR-432W | Advanced Research Methods in Cognitive Neuroscience ( <b>S</b> )  |
| <b>Developmental</b>                    |                |   |
|   | PSYC-440W      | Advanced Research Methods in Development                          |
| <b>Social</b>                           |                |   |
|   | PSYC-450W      | Advanced Research Methods in Social Psychology                    |

Capstone Course: One seminar course (numbered in the 460s or 470s), or honors research (numbered PSYC-491 or PSYC-492).

| Semester | Course                 | Course Title (Designation)                                       |
|----------|------------------------|--|
|          | PSYC-460               | Seminar: Depression ( <b>CCAP</b> )                              |
|          | PSYC-462               | Seminar: Cultural Psychology ( <b>GN, CCAP</b> )                 |
|          | PSYC/NEUR-464          | Seminar: Psychopharmacology                                      |
|          | PSYC/NEUR-465          | Seminar: Biological Bases of Learning and Memory ( <b>CCAP</b> ) |
|          | PSYC/NEUR-466          | Seminar: Neurodiversity and the Autism Spectrum                  |
|          | PSYC-470               | Seminar: Minority Health and Health Disparities                  |
|          | PSYC-471               | Seminar: Social Stigma ( <b>CCAP</b> )                           |
|          | PSYC-472               | Seminar: Development in Context ( <b>CCAP</b> )                  |
|          | PSYC-475               | Seminar: Special Topic in Psychology                             |
|          | PSYC-491 <b>OR</b> 492 | Independent Research/Honors ( <b>XLP</b> )                       |

Elective Courses (8 semester hours) Eight additional elected credits in Psychology.

| Semester | Course | Course Title |
|----------|--------|--------------|
|          |        |              |
|          |        |              |
|          |        |              |

In addition to the courses mentioned above, the following courses may count as elective courses.

| Course                       | Course Title (Designation)  |
|------------------------------|---|
| PSYC/ENV-260                 | Environmental Psychology  |
| PSYC-262                     | Psychology and Law  |
| PSYC-264                     | Psychology of Power and Privilege ( <b>SS, O, possible LINQ</b> ) |
| PSYC-273 <b>AND</b> PSYC-274 | Special Topics in Psychology <i>Two semester hours</i>            |
| PSYC-275                     | Special Topics in Psychology                                      |
| PSYC-381                     | Internship <i>Three semester hours</i> ( <b>XLP</b> )             |
| PSYC-382                     | Internship <i>Four semester hours</i> ( <b>XLP</b> )              |
| PSYC-391 <b>AND</b> PSYC-392 | Reading in Psychology <i>One semester hour</i>                    |
| PSYC-481 <b>AND</b> PSYC-482 | Research ( <b>XLP</b> )   |

### Recommended Courses

These are not required but rather intended for the student who plans to pursue graduate study in psychology or related fields.

1. STAT-141Q, 242, or 243W.
2. PSYC-481, 482, 491, or 492.
3. At least three electives from departmental offerings at the 300-400 level.
4. BIO-101Q or BIO-102Q.

## Neuroscience Major Requirements

### Neuroscience Core (2 courses)

| Semester Completed | Course     | Course Title (Designation)                          |
|--------------------|------------|---|
|                    | NEUR-100   | Fundamentals of Neuroscience                        |
|                    | NEUR-200WQ | Research Methods and Techniques in Neuroscience (Q) |

**Interdisciplinary Foundation (7 courses)** Note: Students interested in a more traditional background to Neuroscience are encouraged to choose the Chemistry Foundation. Students interested in more mathematical aspects of Neuroscience (e.g., modeling, biomechanics, etc.) are encouraged to choose the Physics Foundation.

| Semester Completed   | Course                          | Course Title (Designation)          |
|--|---------------------------------|-------------------------------------|
| Biology Foundation (3 courses)   |                                 |                                     |
|  | BIO-101Q                        | Issues in Ecology and Evolution (S) |
|  | BIO-102Q                        | Cell Biology (S)                    |
|  | BIO-201W                        | Genetics                            |
| Psychology Foundation (2 courses)  |                                 |                                     |
|  | NEUR/PSYC-330                   | Behavioral Neuroscience (SS)        |
|  | NEUR/PSYC-332                   | Cognitive Neuroscience (SS)         |
| Chemistry or Physics Foundation (2 courses): select two Chemistry OR two Physics courses |                                 |                                     |
|  | <sup>^</sup> CHEM-107/107LQ AND | General Chemistry I (S)             |
|  | <sup>^</sup> CHEM-108/108L      | General Chemistry II                |
|  | <sup>^</sup> PHYS-111Q AND      | General Physics I                   |
|  | PHYS-112                        | General Physics II                  |

**Advanced Courses (2 courses): at least one must be completed in junior or senior year.** Neuroscience majors fulfill the oral presentation and capstone requirement by completing two advanced research courses (one in biology and one in psychology).

| Semester                                 | Course   | Course Title (Designation)  |
|--|--|---|
| Biology (1 course): select one course    |  |   |
|  | <sup>^</sup> NEUR/BIO-431W OR <sup>^</sup> 433W OR <sup>^</sup> 435W | Cellular OR Molecular OR Developmental Neurobiology               |
| Psychology (1 course): select one course |  |   |
|  | <sup>^</sup> NEUR/PSYC-430 OR <sup>^</sup> 432                       | Advanced Research Methods in Behavioral OR Cognitive Neuroscience |

**Breadth Courses (3 courses):** Neuroscience majors must take a minimum of 3 approved breadth courses. Only one 4-credit, on-campus research course may be used to satisfy the breadth requirement (i.e., NEUR-481, 482, 491W, 492W). Students may not use courses to fulfill both the Breadth requirement as well as either the Interdisciplinary Foundation or Advanced Research Course credit. Students are encouraged to take advantage of the interdisciplinary nature of the neuroscience major and choose breadth courses from multiple departments.

| Semester | Course | Course Title |
|----------|--------|--------------|
|          |        |              |
|          |        |              |
|          |        |              |

| Course                          | Course Title (Designation)                      | Course        | Course Title (Designation)                                  |
|---------------------------------|---|---------------|---|
| NEUR/BIO-225                    | Glial Cell Biology                              | CHEM 207/207L | Organic Chemistry I and Lab                                 |
| NEUR/PSYC-230                   | Sensation and Perception                        | CHEM 208/208L | Organic Chemistry II and Lab                                |
| NEUR-350                        | Special Topics in Neuroscience                  | CS-170Q       | In Silico, Designing Simulations via Computer Science (S,R) |
| NEUR-382                        | Internship (XLP)                                | CS-173        | Introduction to Computer Science (Q, R)                     |
| <sup>^</sup> NEUR/PSYC-430      | ARM in Behavioral Neuroscience                  | DANC-340      | The Thinking Body: Somatic Theory and Practice (A)          |
| <sup>^</sup> NEUR/BIO-431W      | Cellular Neurobiology                           | HEP/BIO-205   | Human Anatomy & Physiology I (S if taken with 205L)         |
| <sup>^</sup> NEUR/PSYC-432      | ARM in Cognitive Neuroscience                   | HEP-351       | Structural Kinesiology                                      |
| <sup>^</sup> NEUR/BCMB/BIO-433W | Molecular Neurobiology                          | MATH-235      | Linear Algebra (R)  |
| <sup>^</sup> NEUR/BIO-435W      | Developmental Neurobiology                      | MATH/PHIL-260 | Logic (R)   |
| NEUR/PSYC-464                   | Seminar: Psychopharmacology                     | PHIL-246      | Biomedical Ethics   |
| NEUR/PSYC-466                   | Seminar: Neurodiversity and the Autism Spectrum | PHIL-274      | Philosophy of Mind  |
| NEUR-481W or 482W               | Independent Research in Neuroscience (XLP)      | PHIL-278      | Theory of Knowledge   |
| NEUR-485 or 486                 | Off-campus Research (XLP)                       | *PHIL-309     | Advanced Topics in Philosophy (O)                           |

|                      |  |            |  |
|----------------------|--|------------|--|
| NEUR-491W or 492W    | Independent/Honors Research in Neuroscience ( <b>XLP</b> )       | PHIL-364   | Philosophy of Language ( <b>H</b> )    |
| BCMB-351 or CHEM-347 | Biochemistry I <b>OR</b> Fundamentals of Biochemistry            | PHIL-374   | Consciousness and Thought ( <b>H</b> ) |
| BIO-224              | Within the Cell: Further Explorations in Cell Biology & Genetics | @PHYS-111Q | General Physics I                      |
| BIO-305              | Human Anatomy and Functional Morphology                          | @PHYS-112Q | General Physics II                     |
| BIO-306 or BIO-349   | Human Physiology <b>OR</b> Experimental Physiology               | PSYC-220   | Mental Health and Abnormal Psychology  |
| BIO-346              | Developmental Biology  | PSYC-232   | Learning                               |
| *BIO-350             | Selected Topics in Biology                                       | PSYC-240   | Lifespan Development                   |
| BIO-359              | Animal Behavior  | *PSYC-275  | Special Topic in Psychology            |
| BIO-449W             | Immunology   | PSYC-320   | Psychopathology and Psychotherapy      |
| BIO-459W             | Virology   | PSYC-340   | Child Development                      |
| +CHEM-107/107LQ      | General Chemistry I and Lab                                      | PSYC-460   | Seminar: Depression                    |
| +CHEM 108/108L       | General Chemistry II and Lab                                     | *PSYC-475  | Seminar: Special Topic in Psychology   |
|                      |  | STAT-243W  | Biostatistics ( <b>R</b> )             |

**Notes:**

^A student taking NEUR/PSYC-430, NEUR/BIO-431W, NEUR/PSYC-432, NEUR/BCMB/BIO-433W, or NEUR/BIO-435W may not use the course to count as credit towards both the advanced research courses and breadth courses.

\*BIO-350, PHIL-309, \*PSYC-275, \*PSYC-475 may be used as a major elective when the topic(s) covered are related to Neuroscience. Approval of the Neuroscience Coordinator required.

+A student taking CHEM-107/107LQ or CHEM-108/108LQ may not use the course to count as credit towards both the chemistry foundation and breadth courses.

@A student taking PHYS-111Q/112Q may not use the course to count as credit towards both the physics foundation and breadth courses.

| Year Credits (128 needed) | Fall | Spring | Total |
|---------------------------|------|--------|-------|
| Freshman Year             |      |        |       |
| Sophomore Year            |      |        |       |
| Junior Year               |      |        |       |
| Senior Year               |      |        |       |