

QUEENS COLLEGE

Neuroscience BA

FOUR YEAR ACADEMIC PLAN

12

Required Core Credits

18

Flexible Core Credits

12

College Option Credits

55

Major Credits

23

Elective Credits

120

Total

This 4-year academic plan is designed to help freshmen entering Queens College in Fall 2020 plan their academic career and ensure that they complete all requirements for graduation in a timely fashion. All other students should consult their academic and department advisors to chart their own 4-year academic plans. Students should note that course pre-requisite/s and co-requisite/s are strictly enforced and they should regularly meet with their department advisors to identify their specific major/minor requirements and entrance and maintenance criteria (if applicable) for successful completion of their degree.

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Freshman

FALL

| | |
|---------------------------------------|-----------|
| English Composition I (EC1) | 3 credits |
| PSYCH 101 (SW) | 4 credits |
| General Psychology | |
| World Cultures & Global Issues (WCGI) | 3 credits |
| US Experience in Its Diversity (USED) | 3 credits |
| Creative Expression (CE) | 3 credits |

Fall Total Credits **16 credits**

SPRING

| | |
|------------------------------|-----------|
| English Composition II (EC2) | 3 credits |
| BIOL 105 (LPS) | 4 credits |
| General Biology I | |
| PSYCH 243 | 3 credits |
| Behavioral Neuroscience | |
| PSYCH 1073+1071 (MQR) | 4 credits |
| Statistical Methods | |
| OR BIOL 230 Biostatistics | |
| General Electives*** | 2 credits |

Spring Total Credits **16 credits**

Sophomore

FALL

| | |
|-----------------------------------|-----------|
| BIOL 106 (SCI) | 4 credits |
| General Biology II | |
| CHEM 1134 & 1131 (SW) | 5 credits |
| General Chemistry I | |
| Individual & Society (IS) | 3 credits |
| College Option Literature (LIT+W) | 3 credits |
| With Writing Intensive Unit** | |

Fall Total Credits **15 credits**

SPRING

| | |
|----------------------------------|-----------|
| CHEM 1144 & 1141 | 5 credits |
| General Chemistry II | |
| PSYCH 213W (SCI) + (W) | 4 credits |
| Experimental Psychology | |
| OR BIO 330 Design of Experiments | |
| General Electives*** | 6 credits |

Spring Total Credits **15 credits**

** If a Literature course is taken with a W, it will count towards Literature and one Writing Intensive Unit.

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Junior

FALL

| | |
|------------------------------|-----------|
| BIOL 286 Cellular Biology | 3 credits |
| Neuroscience Electives† | 3 credits |
| General Electives*** | 9 credits |

Fall Total Credits

15 credits

SPRING

| | |
|--------------------------------|-----------|
| College Option Language (LANG) | 4 credits |
| Neuroscience Electives† | 3 credits |
| General Electives*** | 8 credits |

Spring total credits

15 credits

Senior

FALL

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|--|-----------|
| Choose one from the following BIOL 373, PSYCH 316, BIOL 385.4 | 4 credits |
| Neuroscience Electives† | 3 credits |
| General Electives*** | 8 credits |

Fall Total Credits

15 credits

SPRING

| | |
|---|-----------|
| Neuroscience Electives† | 3 credits |
| Independent Research Course (3 hours min)* | 3 credits |
| From: PSYCH 391, BIOL 390-395, HMNS 291, 391 | |
| General Electives*** | 9 credits |

Spring Total Credits

15 credits

†List of Major Area Electives (12 credits required):

PSYCH 260, PSYCH 342, PSYCH 345, PSYCH 346, PSYCH 352, BIOL 285, BIOL 325, BIOL 326, BIOL 345, BIOL 354, BIOL 365, BIOL 372, CHEM 371

If PSYCH 316 or BIOL 385.4 not taken as part of courses required for the major, then one (1) course from the list of Advanced Experimental Psychology offerings may be selected: PSYCH 311, PSYCH 312, PSYCH 313, PSYCH 316/BIOL 385.4, PSYCH 319

* Students must conduct neuroscience research in an approved laboratory for a minimum of 1 year but preferably more. Prior to graduation, student must also write a thesis and make a public oral presentation based on their research. A GPA of 3.0 and written permission of the faculty mentor is required.

***General Electives: Students may complete general electives by taking courses in (most) department/s or programs they choose; however, depending on the course/program, students may need department permission and/or prerequisite course/s. Electives may be used to supplement the chosen major (an English major may want to take a course in French or Italian literature) or to fulfill interest in a different area (a Music major may be interested in the physics of sound). Students are encouraged to use available electives to complete a dual major, minor, pre-requisites for graduate or professional school, or complete and internship, experiential learning and/or study abroad. Students are encouraged to use their available general electives wisely and focus on coursework that will assist them personally, academically and professionally.

