## Neuroscience, BS

## Academic Plans

## Four-Year Graduation Plan

The following checkpoints list the minimum requirements students must complete by certain semesters in order to stay on the university's Four-Year Graduation Plan. Courses in the major are those required to complete the major; they may be offered by departments other than the major department.
Before the third semester begins: BIOL:1411 Foundations of Biology, CHEM:1110 Principles of Chemistry I, CHEM:1120 Principles of Chemistry II, MATH:1460 Calculus for the Biological Sciences or MATH:1550 Engineering Mathematics I: Single Variable Calculus or MATH:1850 Calculus I, and PSY:2701 Introduction to Behavioral Neuroscience.

Before the fifth semester begins: PHYS:1511 College Physics I or PHYS:1611 Introductory Physics I, PSY:2811 Research Methods and Data Analysis in Psychology I, PSY:2812 Research Methods and Data Analysis in Psychology II, and PSY:2975 Introduction to Cognitive Neuroscience.
Before the seventh semester begins: BMB:3110 Biochemistry, or BMB:3120 Biochemistry and Molecular Biology I and BMB:3130 Biochemistry and Molecular Biology II; BIOL:3253 Neurobiology I; one of the four approved laboratory courses; and PHYS:1512 College Physics II or PHYS:1612 Introductory Physics II.

Before the eighth semester begins: two required neuroscience electives.

During the eighth semester: one required neuroscience elective, enrollment in all remaining coursework in the major, all remaining GE CLAS Core courses, and a sufficient number of semester hours to graduate.

## Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.


| Spring |  |  |
| :---: | :---: | :---: |
| BIOL:1411 | Foundations of Biology | 4 |
| CHEM:1120 | Principles of Chemistry II | 4 |
| $\begin{aligned} & \text { ENGL:1200 } \\ & \text { or RHET:1030 } \end{aligned}$ | The Interpretation of Literature or Rhetoric | 3-4 |
| MATH:1460 | Calculus for the Biological Sciences | 4 |
|  | Hours | 15-16 |
| Second Year |  |  |
| Fall |  |  |
| PSY:2811 | Research Methods and Data Analysis in Psychology I | 3 |
| PSY:2975 | Introduction to Cognitive Neuroscience | 3 |
| PHYS:1511 | College Physics I | 4 |
| GE CLAS Core: World Languages First Level Proficiency or elective course |  | 4-5 |
|  | Hours | 14-15 |
| Spring |  |  |
| PSY:2812 | Research Methods and Data Analysis in Psychology II | 3 |
| $\begin{aligned} & \text { BMB:3120 } \\ & \text { or BMB:3110 } \end{aligned}$ | Biochemiștry and Molecular Biology I or Biochemistry | 3 |
| PHYS:1512 | College Physics II | 4 |
| GE CLAS Core: World Languages Second Level Proficiency or elective course |  | 4-5 |
|  | Hours | 14-15 |
| Third Year |  |  |
| Fall |  |  |
| BIOL:3253 | Neurobiology I | 4 |
| BMB:3130 | Biochemistry and Molecular Biology II | 3 |
| Major: neuroscience elective I |  | 3-4 |
| GE CLAS Core: World Languages Third Level Proficiency or elective course |  | 4-5 |
|  | Hours | 14-16 |
| Spring |  |  |
| BIOL:3254 | Neurobiology II | 4 |
| Major: neuroscie | nce elective II | 3-4 |
| GE CLAS Core: D | iversity and Inclusion ${ }^{9}$ | 3 |
| GE CLAS Core: Proficiency or el | orld Languages Fourth Level ective course | 4-5 |
|  | Hours | 14-16 |
| Fourth Year |  |  |
| Fall |  |  |
| Major: neuroscie | nce elective III | 3-4 |
| Major: neuroscie elective IV | nce lab course or neuroscience | 3-5 |
| GE CLAS Core: In | ternational and Global Issues ${ }^{9}$ | 3 |
| GE CLAS Core: V | alues and Culture ${ }^{9}$ | 3 |
|  | Hours | 12-15 |
| Spring |  |  |
| elective IV |  |  |
| GE CLAS Core: H | istorical Perspectives ${ }^{9}$ | 3 |
| ${ }_{\mathrm{g}}^{\mathrm{G}} \mathrm{E}$ CLAS Core: L | iterary, Visual, and Performing Arts | 3 |
| Elective course ${ }^{\text {h }}$ |  |  |

Degree Application: apply on MyUI before deadline (typically in February for spring, September for fall)

| Hours | $12-13$ |
| :--- | ---: |
| Total Hours | $111-123$ |

a Sustainability must be completed by choosing a course that has been approved for Sustainability AND for one of these General Education areas: Natural Sciences; Quantitative and Formal Reasoning; Social Sciences; Historical Perspectives; International and Global Issues; Literary, Visual, and Performing Arts; or Values and Culture.
b It is strongly recommended that neuroscience majors take this course as their GE CLAS Core: Social Science requirement and that they do so in their first semester.
c Enrollment in chemistry courses requires completion of a placement exam.
d Enrollment in math courses requires completion of a placement exam.
e Students who have completed four years of a single language in high school have satisfied the GE CLAS Core World Languages requirement. Enrollment in world languages courses requires a placement exam, unless enrolling in a first-semester-level course.
f If BMB:3120 is taken, students will also have to complete BMB:3130 to meet this requirement.
g GE CLAS Core courses may be completed in any order unless used as a prerequisite for another course. Students should consult with an advisor about the best sequencing of courses.
h Students may use elective courses to earn credit towards the total s.h. required for graduation or to complete a double major, minors, or certificates.
i Please see Academic Calendar, Office of the Registrar website for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor or Graduation Services.

