

# Cell Biology & Neuroscience Option

Freshman Year	Credits	
	Fall	Spring
BIOH 185 - Integrated Physiology I	4	
CHMY 141 - College Chemistry I & CHMY 142 - College Chemistry I Lab	4	
M 171Q - Calculus I	4	
University Core and Electives **	3	
BIOB 260 - Cellular and Molecular Biology		5
CHMY 143 - College Chemistry II & CHMY 144 - College Chemistry II Lab		4
M 172 - Calculus II		4
University Core and Electives **		3
Year Total:	15	16
Sophomore Year	Credits	
	Fall	Spring
CHMY 321 - Organic Chemistry I & CHMY 322 - Organic Chemistry I Lab	4	
NEUR 313 - Neurophysiology	3	
PHSX 205 - College Physics I	4	
STAT 332 - Statistics for Scientists and Engineers	3	
University Core and Electives **	1	
BIOH 320 - Biomedical Genetics		3
CHMY 323 - Organic Chemistry II & CHMY 324 - Organic Chemistry II Lab		4
PHSX 207 - College Physics II		4
University Core and Electives **		4
Year Total:	15	15
Junior Year	Credits	
	Fall	Spring
BCH 380 - Biochemistry & BCH 381 - Biochemistry Lab or BCH 441 and BCH 442	5	
University Core and Electives **	10	
BIOB 425 - Adv Cell & Molecular Biology		3
WRIT 201 - College Writing II or WRIT 221 - Intermediate Tech Writing or HONR 202IH - Texts and Critics: Knowledge & Imagination II		3
BIOB 420 - Evolution		3
University Core and Electives **		6
Year Total:	15	15
Senior Year	Credits	
	Fall	Spring
University Core and Electives **	15	
BIOB 499 - Senior Thesis/Capstone (see advisor for other options)		2
University Core and Electives		13
Year Total:	15	15
<b>Total Program Credits:</b>		<b>120</b>

\*\* A minimum of 21 additional elective credits. See department advisor for full list of electives.

The curriculum in the Cell Biology and Neuroscience option provides a strong background for students who are interested in a career in research or teaching in cell biology, molecular biology, developmental biology or neuroscience. This option provides the opportunity to take the courses necessary to make a competitive application to graduate school or to obtain a technical position.