

<b>Major:</b>	Neuroscience
<b>Course Plan to Complete a:</b>	B.S. in Neuroscience

Neuroscience, B.S. (Catalogue)

Year 1							
Fall				Spring			
Prefix	Course #	Course Name (catalogue)	Credits	Prefix	Course #	Course Name (catalogue)	Credits
BCOR	011	Exploring Biology I	4	BCOR	012	Exploring Biology II	4
CHEM	031	General Chemistry I	4	CHEM	032	General Chemistry II	4
MATH	019	Fundamentals of Calculus I	3	MATH	020	Fundamentals of Calculus II	3
		TAP Seminar	3	PSYC	001	General Psychology	3
				NSCI	096	First Yr Neuroscience Seminar	1
			14				15
Year 2							
Fall				Spring			
Prefix	Course #	Course Name (catalogue)	Credits	Prefix	Course #	Course Name (catalogue)	Credits
CHEM	141	Organic Chemistry I	4	NSCI	111 & 112	Exploring Neuroscience and its lab	4
PSYC	053	Research Methods <sup>1</sup>	3	BCOR	101	Genetics	3
		D2 - Diversity (Non-European Cultures Course)	3	PSYC	054	Statistics for Psychological Science <sup>1</sup>	4
		Elective	3			Distribution	3
PSYC	111	Learning, Cognition and Behavior or CSD 281	3			D1 Diversity/Distribution	3
			16				14
Year 3							
Fall				Spring			
Prefix	Course #	Course Name (catalogue)	Credits	Prefix	Course #	Course Name (catalogue)	Credits
XXX	2XX	Footnote <sup>3</sup>	3	XXX	2XX	Footnote <sup>3</sup>	3
XXX	2XX	Footnote <sup>3</sup>	3-4			Advanced CORE Neuroscience Elective <sup>2</sup>	3
		Distribution/Sustainability	3			Advanced CORE Neuroscience Elective <sup>2</sup>	3
		Elective	3			Distribution	3
		Elective	3			Elective	3
			15-16				15
Year 4							
Fall				Spring			
Prefix	Course #	Course Name (catalogue)	Credits	Prefix	Course #	Course Name (catalogue)	Credits
		Advanced CORE Neuroscience Elective <sup>2</sup>	3	NSCI	270	Diseases of the Nervous System	3
		Advanced CORE Neuroscience Elective <sup>2</sup>	3			Footnote <sup>3</sup>	3
		Distribution	3			Distribution	3
		Elective	3			Elective	3
		Elective	3			Elective	3
			15				15

**MAJOR includes:**

25 credits of FUNDAMENTAL Courses: BCOR 011, 012; CHEM 031, 032; MATH 019, 020; PSYS 001.

14 credits of FOUNDATION Courses: NSCI 111, 112; BCOR 101; CHEM 141.

3 credits from PSYS 111 or CSD 281.

<sup>1</sup> 7-9 credits of Experimental Design and Statistics courses from one of the following categories:

CAT A: PSYS 053, 054.

CAT B: STAT 141 or STAT 211; STAT 221, STAT 231.

CAT C: STAT 141 or 211; STAT 221; PSYS 053

<sup>2</sup> 12-13 credits of Advanced CORE neuroscience courses: NSCI 270; and 9 credits from BIOL 261, PSYS 214, NSCI 222, NSCI 225, PSYS 215.

<sup>3</sup> 12 credits of ELECTIVE neuroscience courses, with at least one from one of the following categories:

CAT A: CSD 101, 208; PSYS 211, 217, 218, 219, 252.

CAT B: BCOR 103; BIOL 266; NSCI 255, 280; PHRM 201, 290; STAT 256; PSYS 216.

CAT C: CSD 262; NSCI 198, 298.

No more than 6 credits of CAT C may be counted toward the major.

**Distribution Requirements: B.S. degrees in the College of Arts and Sciences will be required to complete the following:**

*Natural Sciences: two courses with labs from specific departments, as defined by the major.*

*Mathematical Sciences: Two courses as defined by the major requirements.*

*Social Sciences: Two 3-credit courses in social science disciplines.*

• *In addition, B.S. degree students are required to complete course in TWO of the following THREE categories:*

*Fine Arts disciplines and Literature disciplines (two courses- one course in each area).*

*Foreign Language: two courses in the same foreign language.*

*Humanities: two 3-credit courses in a humanities discipline.*

**General Requirements:**

*One Diversity Category 1 course – minimum 3 credits*

*One Diversity Category 2 course from list of D2 Non-European Cultures courses – minimum 3 credits*

*One Sustainability Category course - minimum 3 credits*

*One Writing and Information Literacy course– minimum 3 credits*

*One Quantitative Reasoning course-minimum 3 credits*

>>A TAP course will satisfy UVM's Writing and Information Literacy requirement and might also count toward a distribution.

>>>Sustainability courses and Diversity courses might also count toward a distribution.

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