

# NEUROSCIENCE - BS, BEHAVIORAL AND COGNITIVE NEUROSCIENCE

## Program Requirements

### First Year

Fall		Semester Credit Hours
BIOL 111	Introductory Biology I	4
CHEM 119	Fundamentals of Chemistry I	4
NRSC 101	Neuroscience Overview <sup>1</sup>	1
NRSC 277/ VIBS 277	Essential Neuroscience - From Molecules to Nervous Systems <sup>1</sup>	3
PBSI 107	Introduction to Psychology	3
<b>Semester Credit Hours</b>		<b>15</b>

### Spring

BIOL 112	Introductory Biology II	4
CHEM 120	Fundamentals of Chemistry II	4
PBSI 235	Introduction to Behavioral and Cognitive Neuroscience <sup>1</sup>	3
Select one of the following:		4
MATH 147	Calculus I for Biological Sciences	
MATH 151	Engineering Mathematics I	
MATH 171	Calculus I	
General elective <sup>2</sup>		1
<b>Semester Credit Hours</b>		<b>16</b>

### Second Year

Fall		Semester Credit Hours
PHYS 201	College Physics	4
Select one of the following:		4
MATH 148	Calculus II for Biological Sciences	
MATH 152	Engineering Mathematics II	
MATH 172	Calculus II	
STAT 201	Elementary Statistical Inference	
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		3
Prescribed elective <sup>3</sup>		3
<b>Semester Credit Hours</b>		<b>14</b>

### Spring

PHYS 202	College Physics	4
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		3
Concentration elective <sup>4</sup>		3
Prescribed elective <sup>3</sup>		3
Prescribed elective <sup>3</sup>		3
<b>Semester Credit Hours</b>		<b>16</b>

### Third Year

Fall		Semester Credit Hours
ENGL 104	Composition and Rhetoric <sup>1</sup>	3
STAT 302 or STAT 312	Statistical Methods or Statistics for Biology	3
Concentration elective <sup>4</sup>		3
Prescribed elective <sup>3</sup>		3
General elective <sup>2</sup>		3
<b>Semester Credit Hours</b>		<b>15</b>

### Spring

Communication ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a> )		3
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> )		3
Concentration elective <sup>4</sup>		3
Prescribed elective <sup>3</sup>		3
General elective <sup>2</sup>		3
<b>Semester Credit Hours</b>		<b>15</b>

### Fourth Year

Fall		Semester Credit Hours
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> )		3
Language, philosophy and culture ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> )		3
Concentration elective <sup>4</sup>		3
Concentration elective <sup>4</sup>		3
Concentration elective <sup>4</sup>		4
<b>Semester Credit Hours</b>		<b>16</b>

### Spring

Creative arts ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> )		3
Concentration elective <sup>4</sup>		3
Concentration elective <sup>4</sup>		3
Concentration elective <sup>4</sup>		4
<b>Semester Credit Hours</b>		<b>13</b>
<b>Total Semester Credit Hours</b>		<b>120</b>

<sup>1</sup> Must make a grade of C or better.

<sup>2</sup> A minor field of study may fulfill this requirement, but a minor is not required. Only one KINE 199 allowed.

<sup>3</sup> Select from PBSI 311, PBSI 320, PBSI 332, PBSI 333, PBSI 336, PBSI 340, PBSI 350, PBSI 360.

<sup>4</sup> Select from BICH 410; BIOL 213, BIOL 413; CHEM 227, CHEM 237, CHEM 228, CHEM 238; NRSC 300-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/nrsc/>); PBSI 471, PBSI 475, PBSI 484, PBSI 485, PBSI 491.