BEHAVIORAL AND COGNITIVE NEUROSCIENCE - BS

At the upper level, students complete a directed curriculum that will provide them depth of training in 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
ENGL 104	Composition and Rhetoric	3
PBSI 105	Psychology as a Major and Profession [1]	1
PBSI 107	Introduction to Psychology [1]	3
General elective		2
	Semester Credit Hours	**17**
Spring		
BIOL 112	Introductory Biology II	4
CHEM 120	Fundamentals of Chemistry II	4
PBSI 235	Introduction to Behavioral and Cognitive Neuroscience [1]	3
Select one of the following:		4
MATH 147	Calculus I for Biological Sciences	
MATH 151	Engineering Mathematics I	
MATH 171	Calculus I	
	Semester Credit Hours	**15**
Second Year		
Fall		
PBSI 311	Psychology of Animal Behavior [1]	3
PHYS 201	College Physics	4
POLS 206	American National Government	3
Select one of the following:		3-4
MATH 148	Calculus II for Biological Sciences	
MATH 152	Engineering Mathematics II	
MATH 172	Calculus II	
STAT 201	Elementary Statistical Inference	
General elective		2
	Semester Credit Hours	**15**
Spring		
PBSI 332	Neuroscience of Learning and Memory [1]	3
PHYS 202	College Physics	4
POLS 207	State and Local Government	3
Communication (https://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication)		3
General elective		2
	Semester Credit Hours	**15**
Third Year		
Fall		
PBSI 336	Drugs and Behavior [1]	3
PBSI 350	Cognitive Neuroscience [1]	3
Select one of the following:		3
STAT 302	Statistical Methods	
STAT 312	Statistics for Biology	
PBSI 301	Elementary Statistics for Psychology	
Creative arts (https://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts)		3
Language, philosophy and culture (https://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture)		3
	Semester Credit Hours	**15**
Spring		
Social and behavioral sciences (https://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences) [2]		3
American history (https://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		3
Prescribed elective [1,3]		3
Prescribed elective [1,3]		3
Prescribed elective [1,3]		3
	Semester Credit Hours	**15**
Fourth Year		
Fall		
PBSI 471	Research Writing in Neuroscience [1]	1
American history (https://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		3
Prescribed elective [1,3]		3
Prescribed elective [1,3]		3
Prescribed elective [1,3]		3
General elective		2
	Semester Credit Hours	**15**
Spring		
PBSI 475	Communicating Neuroscience Concepts [1]	1
Prescribed elective [1,3]		3
Prescribed elective [1,3]		3
Prescribed elective [1,3]		3
Prescribed elective [1,3]		3
	Semester Credit Hours	**13**
	Total Semester Credit Hours	**120**

1. Must make a grade of C or better.
2. Except PBSI 107.
3. Select from BICH 410; BIOL 213, BIOL 413, BIOL 485, BIOL 491; CHEM 227, CHEM 228, CHEM 237, CHEM 238; GENE 301; NRSC 200-499 (https://catalog.tamu.edu/undergraduate/course-descriptions/nrsc/); PBSI 320, PBSI 333, PBSI 336, PBSI 340, PBSI 345, PBSI 360, PBSI 440, PBSI 483, PBSI 484, PBSI 485, PBSI 491; VIBS 401/NRSC 401. Of the 30 hours from the prescribed electives, 6 hours must be from PBSI 320, PBSI 333, PBSI 336, PBSI 340, PBSI 345, PBSI 360, PBSI 440, PBSI 483, PBSI 484, PBSI 485, PBSI 491. No more than 3

hours PBSI 483, no more than 3 hours of PBSI 484, and no more than 12 hours of PBSI/NRSC/BIOL 483, 484, 485 and 491 combined.