MAJOR IN NEUROSCIENCE, BEHAVIORAL AND COGNITIVE NEUROSCIENCE CONCENTRATION

Major Completion Map

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
CHEM 111	General Chemistry I (GT-SC2)	X		3A	4
CHEM 112	General Chemistry Lab I (GT-SC1)	X		3A	1
CO 150	College Composition (GT-CO2)	X		1A	3
LIFE 102	Attributes of Living Systems (GT-SC1)	X		3A	4
NB 192	Introductory Neuroscience Seminar	X			1
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
MATH 124, MATH 125, MATH 126 must be completed by the end of Semester 1, if necessary.		X			
	Total Credits				**16**

Semester 2		Critical	Recommended	AUCC	Credits
CHEM 113	General Chemistry II	X			3
CHEM 114	General Chemistry Lab II	X			1
MATH 155	Calculus for Biological Scientists I (GT-MA1)	X		1B	4
PSY 100	General Psychology (GT-SS3)	X		3C	3
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)			X	1C	3
	Total Credits				**14**

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
CHEM 341	Modern Organic Chemistry I	X			3
LIFE 210	Introductory Eukaryotic Cell Biology	X			3
PSY 252	Mind, Brain, and Behavior	X			3
Select one from the following:		X			5
PH 121	General Physics I (GT-SC1)			3A	
PH 141	Physics for Scientists and Engineers I (GT-SC1)			3A	
	Total Credits				**14**

Semester 4		Critical	Recommended	AUCC	Credits
CHEM 343	Modern Organic Chemistry II	X			3
CHEM 344	Modern Organic Chemistry Laboratory	X			2
LIFE 201B	Introductory Genetics: Molecular/Immunological/ Developmental (GT-SC2)	X		3A	3
Select one course from the following:		X			3
CO 300	Writing Arguments (GT-CO3)			2	
CO 301B	Writing in the Disciplines: Sciences (GT-CO3)			2	
Select one course from the following:		X			2
LIFE 203	Introductory Genetics Laboratory				
LIFE 212	Introductory Cell Biology Laboratory				
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3

CHEM 341 must be completed by the end of Semester 4.		X			
	Total Credits				**16**
Junior					
Semester 5		**Critical**	**Recommended**	**AUCC**	**Credits**
BC 351	Principles of Biochemistry	X			4
BMS 300	Principles of Human Physiology	X			4
PSY 250	Research Design and Analysis I	X			3
Select one of the following:		X			3
PSY 352	Learning and Memory				
PSY 452	Cognitive Psychology				
	Total Credits				**14**
Semester 6		**Critical**	**Recommended**	**AUCC**	**Credits**
NB 399	Thesis Preparation				1
Select one of the following:		X			3
STAT 301	Introduction to Applied Statistical Methods				
STAT 307	Introduction to Biostatistics				
Elective Lectures (see list on Program Requirements tab)		X			6
Elective Laboratories (see list on Program Requirements tab)		X			4-5
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			X	3D	3
	Total Credits				**17-18**
Senior					
Semester 7		**Critical**	**Recommended**	**AUCC**	**Credits**
BMS 325	Cellular Neurobiology	X			3
BMS 345	Functional Neuroanatomy	X			4
NB 493	Senior Seminar	X		4C	1
Select one group from the following (not previously taken):		X			5
Group A:					
PSY 454	Biological Psychology			4B	
PSY 455	Biological Psychology Laboratory				
Group B:					
PSY 456	Sensation and Perception			4B	
PSY 457	Sensation and Perception Laboratory				
Group C:					
PSY 458	Cognitive Neuroscience			4B	
PSY 459	Cognitive Neuroscience Laboratory			4A	
Electives			X		3
	Total Credits				**16**
Semester 8		**Critical**	**Recommended**	**AUCC**	**Credits**
NB 499	Senior Thesis	X		4A,4C	3
Select one group from the following (not previously taken):		X			5
Group A:					
PSY 454	Biological Psychology			4B	
PSY 455	Biological Psychology Laboratory				
Group B:					
PSY 456	Sensation and Perception			4B	
PSY 457	Sensation and Perception Laboratory				
Group C:					
PSY 458	Cognitive Neuroscience			4B	
PSY 459	Cognitive Neuroscience Laboratory			4A	
Electives			X		4-5

The benchmark courses for the 8th semester are the remaining courses in the entire program of study.	X	
	Total Credits	**12-13**
	Program Total Credits:	**120**