NEUROSCIENCE BS Requirements (2019-20)

Lower Division	on Courses			
Calculus:	MATH 11A (FWS) or MATH 19A (FWS)	&	MATH 11B (FWS) or MATH 19B (FWS)	
General Chem:	CHEM 1A: General Chemistry (FWS)	&	CHEM 1B: General Chemistry (FWS) & CHEM 1C: General Chemistry & (FWS) CHEM 1N: General Chem Lab (FWS)	
Biology:	BIOL 20A: Cell and Molecular Bio (FWS)	&	BIOE 20B: Development and Physiology (FWS) & BIOE 20C: Ecology & Evolution (FWS) & BIOL 20L: Experimental Bio Lab (FWS)
Organic Chem:	CHEM 8A: Organic Chemistry & (FW) CHEM 8L: Organic Chemistry Lab (FW)	&	CHEM 8B: Organic Chemistry (WS)	
Statistics:	STAT 5: Statistics (FWS)	OR	STAT 7: Stats for the Biological, Environmental, and Health Sciences & (FWS) STAT 7L: Stats Lab (FWS)	
Physics:	PHYS 6A: Introductory Physics I & (FWS) PHYS 6L: Introductory Physics I Lab (FWS)	&	PHYS 6C: Introductory Physics III (FS)	
After passing	the classes shaded above with a C or better, s	tudents	can submit a Petition to Declare. Students in their 6th quarter may petition while their	
last course is i	n progress. All students must declare by the 6	ith quart	ter deadline.	
	Declared			
Upper Division	on Courses			
	or with the following:			
	CORE COURSES:			
	BIOL 105: Genetics			
	BIOL 100: Biochemistry	&	BIOL 101: Molecular Biology	
	OR			
		& & OR	BIOC 100B: Biochemistry & MB & BIOC 100C: Biochemistry & MB BIOL 102L: Toxic RNA Lab I	
	OR BIOC 100A: Biochemistry & Molecular Bio BIOL 101L: Molecular Biology Lab BIOL 110: Cell Biology BIOL 125: Intro to Neuroscience BIOL 126: Advanced Molecular Neuroscience ELECTIVES: 2 UPPER DIVISION ELECTIVES	& OR	BIOC 100B: Biochemistry & MB & BIOC 100C: Biochemistry & MB	
	OR BIOC 100A: Biochemistry & Molecular Bio BIOL 101L: Molecular Biology Lab BIOL 110: Cell Biology BIOL 125: Intro to Neuroscience BIOL 126: Advanced Molecular Neuroscience	& OR	BIOC 100B: Biochemistry & MB & BIOC 100C: Biochemistry & MB BIOL 102L: Toxic RNA Lab I	

BIOL 114: Cancer Cell Biology	
BIOL 115: Eukaryotic Molecular Biology	
BIOL 116: Advanced Topics in Cell Biology	
BIOL 117: Global Health & Neglected Diseases	
BIOL 120: Developmental Biology	
BIOL 127: Mechanisms of Neurodegenerative Diseases	
BIOL 128: Developmental Neurobiology	
BIOL 130: Human Physiology	
BIOL 140: The RNA World	
BME 110: Computational Biology Tools	
BME 130: Genomes	
BME 160: Research Programming for Biologists & Biochemists	
BME 178: Stem Cell Biology	
PHYS 180: Biophysics	
PSYC 121: Perception	
PSYC 123: Cognitive Neuroscience	
LAB: 1 LAB COURSE REQUIRED	
BIOL 100L: Biochemistry Lab	
BIOL 103L: Toxic RNA Lab II	
BIOL 105L: Eukaryotic Genetics Lab	
BIOL 109L: Yeast Molecular Genetics Lab	
BIOL 115L: Eukaryotic Molecular Biology Lab	
BIOL 120L: Developmental Biology Lab	
BIOL 121L: Environmental Phage Biology Lab	
BIOL 186L: Undergraduate Research in MCD Biology	
DISCIPLINARY COMMUNICATION & SENIOR EXIT REQUIREMENTS ARE SATISFIED BY COMPLETING ONE 5-UNIT LAB COURSE FROM THE ABOVE LIST.	
☐ DC/SENIOR EXIT COMPLETE	

Please refer to your 2019-20 UCSC General Catalog for more information or clarification