NATURAL SCIENCE MAJOR

Concentrations

Students may pursue one of three concentrations within the major: **chemical sciences (CHS), organismal biology (ORB),** or **cell and molecular biology (C+M)**. Students may major in natural sciences without declaring a concentration. Students opting for one of the concentrations must fulfill the following additional requirements:

1. One of the four lab electives must be NSCI 4999 Tutorial, in the field of the student's chosen concentration.
2. At least two of the three remaining lab electives must be in classes in the chosen concentration, designated in the table below.
3. At least four of the six electives overall (lab or non-lab) must be in classes in the chosen concentration, designated in the table below.

Courses with the subject code CHEM are taught by the Chemistry Department and are offered exclusively at the Rose Hill campus.

Elective and Concentration Courses

The following table indicates (a) which courses count toward the required lab elective courses and (b) which courses count toward the respective concentrations in CHS, C+M, and ORB.

Course	Electives including lab (minimum 4)	Electives: No lab	Counts toward CHS	Counts toward C+M	Counts toward ORB
Tutorial	NSCI 4999		X	X	X
Advanced Microbiology	NSCI 4143 / NSCI 4843			X	X
Biology of Aging		NSCI 2018			X
Biological Chemistry	NSCI 4153 / NSCI 4864	NSCI 4153	X	X	
Cell and Developmental Biology	NSCI 3154 / NSCI 3844	NSCI 3154		X	X
Genetics	NSCI 3133 / NSCI 3844	NSCI 3133		X	X
Global Ecology	NSCI 2010 / NSCI 2011	NSCI 2010			X
Immunology	NSCI 2122 / NSCI 2822	NSCI 2122	X		
Molecular Biology	NSCI 4176 / NSCI 4864		X	X	
Neuroscience	NSCI 4630 / NSCI 4032	NSCI 4630		X	X
Neurochemistry		NSCI 4081	X		X
Paleoecology	NSCI 2142 / NSCI 2842				X
Pharmacology		NSCI 4080	X		
Animal Physiology	NSCI 4112 (with either NSCI 4812 or NSCI 4032)	NSCI 4112		X	X
Foundations in Animal Behavior		NSCI 2050			X
Vertebrate Anatomy	NSCI 2141 / NSCI 2841				X
Methods of Chemical Research		CHEM 3141	X		
Physical Chemistry 1 with lab	CHEM 3621 CHEM 3631			X	
Physical Chemistry 2 with lab	CHEM 3622 / CHEM 3632			X	
Quantitative Analysis		CHEM 3721	X		
Instrumental Analysis		CHEM 3722	X		
Inorganic Chemistry with lab	CHEM 4422 CHEM 4432			X	