CELL AND MOLECULAR BIOLOGY MINOR

The minor in Cell and Molecular Biology introduces the mechanistic study of the life of the cell at the molecular level. Due to the extensive overlap in curricula, Biological Chemistry majors cannot minor in Cell and Molecular Biology. Neuroscience majors may minor in Cell and Molecular Biology, but the requirements are more rigorous.

Requirements

Students wishing to minor in cell and molecular biology must complete:

Course ID	Title	Credits
Required Courses		
CELL 1010	Intro to Cell & Molec Biology	3
CELL 2050	Genetics	3
CELL 3030	Molecular Biology	3
CELL 3750	Cell Biology	3
Additional Coursework		
Select two electives in biology		6
Select 16 credits in chemistry [1]		16
Total Credit Hours		**34**

[1] One year of both general and organic chemistry and their respective laboratories

Because of the interdisciplinary nature of the biological chemistry major, students in that program may not minor in cell and molecular biology.

Neuroscience Majors

Neuroscience majors wishing to minor in cell and molecular biology must complete:

Course ID	Title	Credits
Required Courses		
CELL 3030	Molecular Biology	3
CELL 3750	Cell Biology	3
CELL 4010	Cellular Biochemistry	3
Select two of the following:		6-7
CELL 3050	Foundations of Pharmacology	
CELL 3210	Physiology	
CELL 3400	Regenerative Biology	
CELL 4110/4111	Human Histology	
CELL 4130	Embryology	
CELL 4160	Developmental Biology	
CELL 4200	General Endocrinology [1]	
CELL 4220	Microbiology	
CELL 4440	Advanced Molecular Biology	
CELL 4710	Molecular Biology of Cancer	
CELL 4780	Developmental Genetics	
Additional Coursework		
Select 16 credits in chemistry [2]		16
Total Credit Hours		**31-32**

[1] CELL 4200 General Endocrinology (3 c.h.) may not be used for the CELL minor elective if NSCI 4200 General Endocrinology (3 c.h.) is used as a major elective.

[2] One year of both general and organic chemistry and their respective laboratories