

MOLECULAR, CELLULAR AND INTEGRATIVE NEUROSCIENCES GRADUATE INTERDISCIPLINARY STUDIES PROGRAM

NB 796C/ BMS 796A	Group Study: Topics in Neuroscience
NB 796D	Group Study: Seizures and Epilepsy
NB 796E	Group Study: Neuroendocrine Mechanisms

Program Total Credits: 25-27

¹ Fall and Spring semesters for a total of 2 credits.

Molecular, Cellular and Integrative Neurosciences Special Academic Unit

Noreen Reist, Director

The Molecular, Cellular and Integrative Neurosciences (MCIN) program is a 1-year graduate Ph.D. student admission and rotation program. During the year in the program, students take a set of core courses and complete three laboratory rotations. At the end of the program, they select a faculty mentor and transfer to a participating degree-granting department to complete their Ph.D. requirements. The degree-granting departments are Biochemistry and Molecular Biology; Biology; Biomedical Sciences; Chemical and Biological Engineering; Computer Science; Environmental and Radiological Health Sciences; Health and Exercise Science; Human Development and Family Studies; Microbiology, Immunology and Pathology; Occupational Therapy; and Psychology. The program has been named one of CSU's Programs of Research and Scholarly Excellence.

More information about the program and the MCIN faculty rotation may be found on the Molecular, Cellular and Integrative Neurosciences (MCIN) (<http://mcin.colostate.edu/>) website.

Requirements Effective Fall 2021

Code	Title	Credits
NB 500/BMS 502	Readings in Cellular Neurobiology	1
Select one course from the following:		2-4
BMS 500	Mammalian Physiology I	
NB 501	Cellular and Molecular Neurophysiology	
NB 505/BMS 505	Neuronal Circuits, Systems and Behavior	3
NB 586	Practicum-Techniques in Neuroscience II	1
NB 793	Neuroscience Seminar ¹	2
NB 795	Independent Study	Var
STAR 511	Design and Data Analysis for Researchers I	4
or PSY 652	Methods of Research in Psychology I	
Select a minimum of 10 credits from the following:		10
BC 563	Molecular Genetics	
BC 565	Molecular Regulation of Cell Function	
BMS 545	Neuroanatomy	
NB 503/BMS 503	Developmental Neurobiology	
PSY 600B	Advanced Psychology: Cognitive Neuroscience	
Select one from the following: ¹		2
NB 796A	Group Study: Ion Channels	
NB 796B	Group Study: Neuronal Growth and Regeneration	