

MOLECULAR, CELLULAR AND INTEGRATIVE NEUROSCIENCES GRADUATE INTERDISCIPLINARY STUDIES PROGRAM

Molecular, Cellular and Integrative Neurosciences Special Academic Unit
970-491-0425

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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) website (<http://mcin.colostate.edu/>).

Students interested in graduate work should refer to the Graduate and Professional Bulletin (<http://catalog.colostate.edu/general-catalog/graduate-bulletin/>).

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 or PSY 652	Design and Data Analysis for Researchers I Methods of Research in Psychology I	4
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	
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.

Requirements for All Graduate Degrees

For more information, please visit Requirements for All Graduate Degrees (<http://catalog.colostate.edu/general-catalog/graduate-bulletin/graduate-study/procedures-requirements-all-degrees/>) in the Graduate and Professional Bulletin (<http://catalog.colostate.edu/general-catalog/graduate-bulletin/>).

Summary of Procedures for the Master's and Doctoral Degrees

NOTE: Each semester the Graduate School publishes a schedule of deadlines. Deadlines are available on the Graduate School website (<https://graduateschool.colostate.edu/deadline-dates/>). Students should consult this schedule whenever they approach important steps in their careers.

Forms (<https://graduateschool.colostate.edu/forms/>) are available online.

Step	Due Date
1. Application for admission (online)	Six months before first registration
2. Diagnostic examination when required	Before first registration
3. Appointment of advisor	Before first registration
4. Selection of graduate committee	Before the time of fourth regular semester registration
5. Filing of program of study (GS Form 6)	Before the time of fourth regular semester registration
6. Preliminary examination (Ph.D. and PD)	Two terms prior to final examination
7. Report of preliminary examination (GS Form 16) - (Ph.D. and PD)	Within two working days after results are known
8. Changes in committee (GS Form 9A)	When change is made
9. Application for Graduation (GS Form 25)	Refer to published deadlines from the Graduate School Website
9a. Reapplication for Graduation (online)	Failure to graduate requires Reapplication for Graduation (online) for the next time term for which you are applying

10. Submit thesis or dissertation to committee	At least two weeks prior to the examination or at the discretion of the graduate committee
11. Final examination	Refer to published deadlines from the Graduate School Website
12. Report of final examination (GS Form 24)	Within two working days after results are known; refer to published deadlines from the Graduate School website
13. Submit a signed Thesis/ Dissertation Submission Form (GS Form 30) to the Graduate School and Submit the Survey of Earned Doctorates (Ph.D. only) prior to submitting the electronic thesis/ dissertation	Refer to published deadlines from the Graduate School website.
14. Submit the thesis/dissertation electronically	Refer to published deadlines from the Graduate School website
15. Graduation	Ceremony information is available from the Graduate School website