

NEUROSCIENCE (MS)

Contacts

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Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/life-sciences/degrees-programs/master-programs/neuroscience.html>)

Program Description

A flexible 40-credit program can be taken part-time or full-time to accommodate working students.

Neuroscience skills training occurs in laboratory or clinical settings.

The Master of Science program in Neuroscience prepares graduates for positions in academia, pharmaceutical and biotech industries, publishing and communications, contract research organizations, non-profit organizations, and government agencies, including research assistant, laboratory technician, laboratory manager, medical writer, science teacher in academia colleges and universities.

The MS in Neuroscience degree may serve as a stepping stone to additional advanced degrees in science and medicine, including the PhD and MD degrees.

Curriculum: 40 credits

Code	Title	Credits
Core Curriculum		
NS 530	Neuroanatomy	4
BI 550	Topics-Medical Biochem	3
GC 640	Research Ethics	1
GC 660	Statistical Methods	3
NS 617	MSNS Journal Club	1
or GC 715		
NS 627	MSNS Neuroscience Journal Club	1
or GC 715		
NS 715	MolecularCellular Neuroscience	2
or CB 650		
NS 880	MSNS Research	1-6
MS 890		
MANAGEMENT COURSES		
GC 510	Database Design & Mgmt	2
GC 525	Information Systems Management	3
GC 600	Managerial and Teamwork Skills	3
GC 605	Performance Improvement	2
GC 610	Strategic Management	2
GC 615	Grants & Contracts Management	2
GC 617	ManagPharm DrugDevelopProjects	2
GC 620		
GC 621	Biotechnology Venture Mgmt	2
GC 635	Intro to Clin Trials Mgmt	2
GC 636	PrinCarMgmt-DiverseBMCareers	2
SUGGESTED ELECTIVES (13-16 credits)		
NS 601	Profiles in Neurosci Research	

Code	Title	Credits
ND 745		
NS 700	Intro to Neuroscience	
NS 690	Neuropharmacology	
ND 740		
NGC 520		
PR 522	General Pharmacology	
CB 560	Principles of Cell Biology	
CB 570	Pathologic Asp of Disease	
GC 529		
GC 625	Drug Development Essentials	
GC 630	Fund-Clinical Trials	
GC 720	Scientific Writing	
GC 740	Principles of Pedagogy	
GC 680	Lab Techniq-Molec Bio	
GC 690	Reg Issu in Human Subjects Res	
GC 645	Genomics & Bioinformatics	
MI 521	Intro to Immunology	
MI 682	Adv Diagnostic Micro	
NS 810		
NS 820	MSNS Clerkship	
NS 830	Master's Clerkship	