

# Neuroscience Track

## **FALL YEAR 1 (9-10 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
MSCI 601*	5	Principles of Basic Medical Sciences I
SGSI 601	1	Responsible Conduct of Research
NRSC/BIOL 634	3	Comparative Neurobiology
NRSC 601*	4	Principles of Neuroscience I
NRSC/PSYC649	3	Seminars in Behavioral Neuroscience Lab Rotation I & II

## **SPRING YEAR 1 (9 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
MSCI 610*	1-4	Pathogenesis of Human Disease
NRSC 602/BIOL 628	4	Principles of Neuroscience II
MSCI 681-629	3	Biology of Non-Coding RNA Molecules
NRSC 605/VIBS 606	4	Neuroanatomical Systems: Neurodegenerative Diseases
NRSC 685-631	1	Neuroscience Journal Club Lab Rotation III & IV

## **SUMMER YEAR 1 (6 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
NEXT 681	1	Seminar
MSCI 691	5	Research

## **FALL YEAR 2 (9 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
NEXT 603	4	Neuropsychopharmacology
MSCI 691	1-2	Research
MSCI 691-631	1	Neuroscience Journal Club

## **SPRING YEAR 2 (9 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
MSCI 611	3	Experimental Design for Biomedical Science
	3-4	Elective
MSCI 691	2-3	Research

## **SUMMER YEAR 2 (6 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
MSCI 691	6	Research

## **FALL YEAR 3 (9 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
MSCI 691	9	Research

\* Courses that MD/PhD students place out of either by exam or by petitioning to have the requirement waived based on medical school coursework

**SPRING YEAR 3 (9 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
MSCI 691	9	Research

**SUMMER YEAR 3 (6 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
MSCI 691	6	Research

**FALL YEAR 4 (9 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
MSCI 691	9	Research

**SPRING YEAR 4 (9 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
MSCI 691	9	Research

**SUMMER YEAR 4 (6 Credit Hours)**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
MSCI 691	6	Research

**ELECTIVES**

<u>Course #</u>	<u>Hrs</u>	<u>Course Name</u>
ANSC/VTPP 654	3	Molecular Endocrinology
BICH 603*	3	General Biochemistry
BICH 628	3	Computational Biology
BICH 631	3	Biochemical Genetics
BICH 672	1	Biological Membranes
BICH/BIOL 650	3	Genomics
BIOL 611	3	Molecular Biology of Differentiation/Development
BIOL 651	3	Bioinformatics
BIOL 674	3	Cellular & Molecular Aspects of Development
MCMD 625	1	Nucleic Acid / Protein Interactions
MCMD 671	3	Macromolecular Folding / Design
MSCI 612	3	Current Topics in Cell Signaling
NExT 603	4	Neuropsychopharmacology
NRSC/VIBS603	4	Neuroanatomy
NRSC/VIBS604	4	Biomedical Neuroendocrinology and Endocrine Disorders
NRSC605/VIB 606	4	Neuroanatomical Systems: Neurodegenerative Diseases
NRSC/BIOL611	3	Molecular Biology of Differentiation and Development
NRSC/BIOL534	3	Comparative Neurobiology
NRSC635/BIOL601	3	Biological Clocks
NRSC636/BIOL615	3	Signaling in Behavior and Development
NRSC/VIBS640	1-5	Neurobiology

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NRSC/BIOL644	3	Neural Development
NRSC/PSYC649	3	Seminar in Behavioral Neuroscience (topics vary)
VIBS 617	1-5	Cell Biology

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