

Graduate Program in Biology: M.S. Curriculum in Cell and Molecular Biology

Course-only Option: 30 course credits
 Research Thesis Option: 24 course credits + 6 research credits

	1st year Fall	1st year Spring	2nd year Fall	2nd year Spring
Course 1	<ul style="list-style-type: none"> Cell Biology: Methods and application Cellular Neurobiology 	<ul style="list-style-type: none"> Cell, Mol, Dev Biology 	<ul style="list-style-type: none"> Research in Biology Advanced Problem in Biology 	<ul style="list-style-type: none"> Research in Biology
Course 2	<ul style="list-style-type: none"> Molecular Biology of Eukaryotes Topics in Cell Biology: Biochemistry 	<ul style="list-style-type: none"> Genetics of Stem cells 	<ul style="list-style-type: none"> Topics in Cell Biology: Biochemistry Molecular Biology of Eukaryotes Growth Factors in Nervous System/Topics in Biology (Mol Mech of Neural Dev) 	<ul style="list-style-type: none"> Advanced Problem in Biology Genetics of Stem Cell
Course 3	<ul style="list-style-type: none"> Epigenetics Adv Theory and Practice of Teaching Introduction to Biostatistics (NJIT) Critical Thinking of Life Sciences (NJIT) 	<ul style="list-style-type: none"> Cell Biology: Methods and Application Neuroendocrinology Epigenetics 	<ul style="list-style-type: none"> Cellular Neurobiology Adv Theory and Practice of Teaching Introduction to Biostatistics (NJIT) Critical Thinking of Life Sciences 	<ul style="list-style-type: none"> Cell, Mol, Dev Biology Neuroendocrinology Epigenetics
Other available courses (NJIT)	<ul style="list-style-type: none"> Intro to Comp Neurosci Cellular Neurophysiology Biology of Addiction Physiological Mechanism 	<ul style="list-style-type: none"> Appr in Quan Analysis for Life Science Cellular and System Neuroscience Med Genetics and Genomics App Bioproc & Immun Based Ther 	<ul style="list-style-type: none"> Intro to Comp Neurosci Cellular Neurophysiology Biology of Addiction Physiological Mechanism 	<ul style="list-style-type: none"> Cellular and System Neuroscience