

## Emphasis Options

<p><b>Neuroscience and Human Health</b>            NROS 330 – Principles of Neuroanatomy: Cells to Systems            NROS 425 – Neural Circuits in Health and Disease            NROS 435 – Complex Behavioral, Cognitive and Emotional Disorders            NROS 445 – Neuropharmacology &amp; Addiction            NROS 430 – Neurogenetics            NROS 440 – How to Build a Brain: Mechanisms of Neural Development            NROS 450 – Neurons and Glia in Health and Disease            ECOL 379 – Evidence Based Medicine</p>	<p><b>Neuroscience, Communication and Public Health</b>            ENGR 495A – Science, Health &amp; Engineering Policy and Diplomacy            GLO 465 – Science Misinformation, Disinformation, Media &amp; the Public            JOUR 305 – Full STEM Ahead: Science and the News            JOUR 465/565 – Issues Covering Science and the Environment            LAW 415 – Healthcare Ethics            LAW 452 – Health Law            LAW 476A – Drug Discovery, Development, and Innovation to Reach the Marketplace            PHP 419 – Alzheimer’s Disease, Other Dementias, and the role of Public Health            PHPM 448 – Addiction and Substance Use            Policy POL 206 – Public Policy and Administration</p>
<p><b>Integrated Neuroscience: Molecular, Cellular, Systems Neuroscience</b>            NROS 330 – Principles of Neuroanatomy: Cells to Systems            NROS 381 – Animal Brains, Signals, Sex, and Social Behaviors            NROS 412 – Molecular Mechanisms of Learning and Memory            NROS 415 – Electrophysiology            NROS 420 – The Neuroscience of Survival            NROS 430 – Neurogenetics            NROS 440 – How to Build a Brain: Mechanisms of Neural Development            NROS 450 – Neurons and Glia in Health and Disease            NROS 425 – Neural Circuits in Health and Disease            CGSC 344 – Modeling the Mind: Computational Models of Cognition            ISTA 457 – Neural Networks            PHYS 431 – Molecular Biophysics            PSY 435 – Computational Neuroscience: Neural Spike Data Analyses</p>	<p><b>Thematic</b>            May choose from all emphasis courses.</p> <p>The thematic emphasis is meant for students who have a <i>very clear and compelling interest in a particular topic area</i> in neuroscience. As is the case for the other emphases, the overall learning objective is to develop <i>real depth</i> in a particular area that students then can use in reaching their particular career goals. The possibility of adding a course that is not currently on the course lists for the existing emphasis can be considered if it would expand or modify the emphasis enough to make it a better fit for the student's interests.</p>