

Bachelor Brain Science

Year 1

P1	P2	P3	P4	P5	P6
Introduction to Brain Science	Introduction to Cognitive Neuroscience	Project part I	Principles of Perception (Pe)	The Motor System (M)	Project part II
Genes, Proteins and Evolution	Cellular Interactions and Metabolism		Brain Cells (BCN)	Learning and Memory (L&M)	
Linear Algebra and Calculus I	Linear Algebra and Calculus II	Neuroanatomy	Advanced Calculus and Dynamical Systems	Probability Theory	
Programming I					
Writing and Presenting I					
Mentor-guided portfolio-building					

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Year 2

P1	P2	P3	P4	P5	P6
Ethics in Brain Science	Neuromodulators of Perception & Psychopathology (Pe)	Project part I	Computational Neurobiology of Movement Reinforcement (M)	From Neurons and Networks to Perception (Pe)	Project part II
Computational Science of Networks (BCN)	Cellular and Systems Mechanisms of Memory (L&M)		Memory Disorders and Treatment (L&M)	Drug and BCI Treatment of Movement Disorders (M)	
Machine Learning	Advanced Statistic	Behavioural Research Methods	Biophysical Modeling	Measuring and Manipulating Brain Activity	
Programming II					
Writing and Presenting II					
Mentor-guided portfolio-building					

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Year 3

P1

P2

P3

P4

P5

P6

Electives/Minors

A Trans-
disciplinary
View on
Computational
Modeling

Current Trends
and Critical
Reading in
Brain Science

Bachelor Thesis

Mentor-guided portfolio-building