

NEUROSCIENCE MAJOR CHECKSHEET

Core Courses (3 required)	Done	Planned
NEUR 101 Introduction to Neuroscience		
NEUR 202 Neuroscience in Practice		
NEUR 415 Neuroscience and Society		
Introductory STEM Courses (2 required) *		
BIOL 106 Human Biology		
BIOL 190 Exploring Unity in Biology		
CHEM 111 General Chemistry: Foundations I		
CHEM 117 General Chemistry: Advanced Principles and Applications I		
CPSC 120 Programming		
PHYS 102 Introductory Physics for Life Sciences		
PHYS 103 Fundamental Physics I		
PHYS 201 Newtonian Mechanics		
PSYC 101 Introduction to Psychology		
<i>*Note: Course selections must come from different disciplines and must include either BIOL or PSYC.</i>		
Quantitative Course (1 required)		
DATA 170 Exploring Data		
MATH 115 Quantitative Biology		
PSYC 204 Quantitative Methods in Psychology		
STAT 210 Statistical Methods I		
Intermediate NEUR Courses (2 required)		
BIOL 210 Cell Biology		
BIOL 260 Human Anatomy and Physiology II		
CHEM 341 Biochemistry I		
HEXS 317 Neuromechanics		
NEUR 339 Topics in Neuroscience		
NEUR 385 Computational Neuroscience		
PHYS 410 Biophysics		
PSYC 332 Drugs and Behavior		
PSYC 335 Neuropsychology		
PSYC 336 Sensation and Perception		
PSYC 348 Cognitive Neuroscience		
NEUR Research Experience (1 required)		
NEUR 406 Independent Study in Neuroscience (or both 405 and 407)		
NEUR 430 Research Seminar in Neuroscience		

NEUR 496 Honors Project (or both 495 and 497)		
Elective Courses (4 required)		
BIOL 210 Cell Biology		
BIOL 260 Human Anatomy and Physiology II		
BIOL 305 Principles of Physiology		
BIOL 315 Genetics		
BIOL 420 Developmental Biology		
CHEM 340 Pharmaceutical Chemistry		
CHEM 341 Biochemistry I		
CHEM 342 Biochemistry II		
CPSC 370 Data Mining		
DATA 350 Databases for Data Science		
CPSC 465 Machine Learning		
MATH 332 Applied Differential Equations		
HEXS 201 Motor Control and Learning		
HEXS 317 Neuromechanics		
INQ260PY Neuroscience and Free Will		
NEUR 339 Topics in Neuroscience		
NEUR 385 Computational Neuroscience		
PHIL 223 Ethics and Medicine		
PHYS 202 Electricity and Magnetism		
PHYS 410 Biophysics		
PSYC 332 Drugs and Behavior		
PSYC 335 Neuropsychology		
PSYC 336 Sensation and Perception		
PSYC 348 Cognitive Neuroscience		
<i>*Note: Other INQ/HNRS courses can count with the program director's approval.</i>		