Major Related Courses (24 hours)
Select 4 courses each from 2 of the following 3 Concentration Areas

Core Courses for Psychology/HCI Concentration Area
(select 12 hours from list of courses below)

CGS 3325 Historical Perspectives: Mind and Machines Since 1600
CGS 4359 Cognitive-Neuroscience
CGS 4362 Perception
CGS 4352 Human Computer Interactions I
CGS 4353 Human Computer Interactions II
CGS 4355 Human Computer Interactions Lab
PSY 4374 Human Judgment and Decision Making
PSY 3331 Social Psychology
PSY 4343 Abnormal Psychology
PSY 2314 Lifespan Development
PSY 3310 Child Development
PSY 3362 Cognitive Development

Core Courses required for Cognitive-Neuroscience Concentration Area
(select 12 hours from list of courses below)

NSC 4352 Cellular Neuroscience
NSC 4354 Integrative Neuroscience
NSC 4356 Neurophysiology
NSC 4366 Neuroanatomy
NSC 4363 Neuropharmacology
NSC 4367 Developmental Neurobiology
NSC 4359 Cognitive Neuroscience
NSC 4353 Neuroscience Laboratory Methods
NSC 4357 Neurobiology of Learning and Memory
NSC 4362 Molecular Neuroscience
NSC 4371 Neural Plasticity
NSC 4373 Sensory Neuroscience
NSC 4385 Neuropsychology

Core Courses required for AI/Computational Modeling Concentration Area
(select 12 hours from list of courses below)

CGS 3342 Cognitive and Neural Modeling Lab
  (prerequisite: MATH 2418; or consent of instructor)
CGS 4312 Computational Models of Language Understanding
CGS 4313 Neural Net Mathematics
  (prerequisites: MATH 2451 and MATH 2418; or consent of instructor)
CGS 4314 Intelligent Systems Analysis
  (prerequisites: CGS 4313 or consent of instructor)
CGS 4315 Intelligent Systems Design
  (prerequisites: CGS 4314 or consent of instructor)
CS 3345 Data Structures and Introduction to Algorithmic Analysis
  (prerequisite: CS 2336 and CS 3305)
CS 4365 Artificial Intelligence (prerequisite: CS 2336 and CS 3345)
CS 4375 Introduction to Machine Learning
  (prerequisites: CS 2336, CS3345, and either CS 3341 or STAT 4351)
CS 4391 Introduction to Computer Vision
  (prerequisites: CS 2336 and CS 3345)