

NEUROSCIENCE MAJOR CHECKLIST - Fall '19 and Spring '20

● Fall '19 ● Spring '20 ● Both semesters ● Not offered

BASIC MATH and SCIENCE COURSES

BSCI 1510 (110a), 1511 (110b), 1510L (111a), and either 1511L (111b) or 1512L (111c)
 CHEM 2221 or 2211; CHEM 2222 or 2212; and CHEM 2221L and 2222L
 MATH 1100, 1200 or 1300 and MATH 1201, 1301, BSCI 3270, PSY 2100, PSY-PC 2110, CS 1101 or CS 1103
 PHYS 1501 or 1601; PHYS 1502 or 1602; PHYS 1501L or 1601L, and PHYS 1502L or 1602L

INTRODUCTION to NEUROSCIENCE (required)

NSC 2201 Neuroscience 200 students, TR 9:35 am, Smith, L.

CELLULAR and MOLECULAR NEUROSCIENCE (6 hours)

BSCI 3252 Cellular Neurobiology 70 students, TR 11:00 am, McMahon, D
BSCI 3256 Molecules of the Brain 60 students, TR 11:00 am, Broadie, K.
NSC 3235 Biological Basis of Mental Disorders 60 students, TR 9:35 am, Smith, L.
NSC 3240 Neurobiology of Addiction 25 students, TR 8:10 am, Yohn, S.
NSC 3260 Psychopharmacology 30 students, MWF 8:10 am, Wild, G.
NSC 3269 Developmental Neuroscience 50 students, TR 9:35 am, Catania, E.
NSC 3245 Drug Discovery for Neuropsy. Disorders 30 students, TR 8:10 am, Jones, C.
NSC 3891 GABA 20 students, MW 2:10 pm, Wegener, M.
NSC 3891 Neurochemistry 35 students, MWF 9:10 am, Wild, G.
NSC 3891 Neurological Disease 60 students, TR 2:35 pm, Wegener, M.
NSC 3891 Neurophysiology 40 students, TBA, Wegener, M.
PSY 3630 Drugs and Behavior 40 students, TBA, Wegener, M..
PSY 3892 The Changing Brain 15 students, TR 9:35 am, Hoffman, K

SYSTEMS and INTEGRATIVE/COGNITIVE NEUROSCIENCE (6 Hours)

BSCI 3230 Biological Clocks 30 students, MWF 10:10 am, Johnson, C.
BSCI 3254 Neurobiology of Behavior 150 students, TR 1:10 pm, Catania, K.
NSC 3270 Computational Neuroscience 30 students, TR 9:35 am, Polyn, S.
NSC 3274 Neuroanatomy 50 students, MW 3:10 pm, Herculano, S.
NSC 4961 Integrative Neuroscience 21 students, TR 2:35 pm, Sappington, R.
NSC 4969 Senior Seminar in Neuroscience 15 students, T 2:35 pm, Catania, E.
PSY 3120 Cognitive Psychology 65 students, MWF 11:10 am, Maxcey, A.
PSY 3620 Schizophrenia 20 students, TH 9:35 am, Park, S.
PSY 3700 Movement 50 students, MWF 10:10 am, Schall, J.
PSY 3730 Learning and Memory 30 students, TR - time TBA, McNamara, T.
PSY 3750 Perception 64 students, TR 1:10 pm, Maier, A.
PSY 3760 Mind and Brain 130 students, TR 2:35 pm, Tong, F.
PSY 3765 Social Cognition and Neuroscience 20 students, TR 2:35 pm, Tong, F.
PSY 3775 Human Memory 65 students, TR 11 am, Polyn, S.
PSY 3780 The Visual System 40 students, MWF 10:10 am, Woodman, G.
PSY 3892 Rhythms & Reps. of the Brain 15 students, TR 9:35 am, Hoffman, K.
PSY-PC 3190 Language and the Brain 12 students, TR 11:10 am, Booth, J.

NEUROSCIENCE LABORATORY COURSES (required)

NSC 3861 Undergraduate Research [2]

NSC 3862 Undergraduate Research [2]

ELECTIVE NEUROSCIENCE COURSES (6 Additional Hours)

Classes from "Cellular and Molecular Neuroscience" [3] (above)

Classes from "Systems and Integrative/Cognitive Neuroscience" [3] (above)

NSC 3851 Independent Reading [1] (may be taken twice)

NSC 3863 Advanced Research in Neuroscience [3]

NSC 4999 Honors Research [3] (must complete application)

RELATED COURSE ELECTIVES (6 Hours)

BME 3100 Systems Physiology

BME 3101 Systems Physiology

BSCI 2201 Introduction to Cell Biology 114 students, MWF 10:10 am, Graham, T.

BSCI 2201L Laboratory to Cell Biology 12 students, W 1:10 pm, Pitts, R.

BSCI 2201L Laboratory to Cell Biology 20 students, R 1:10 pm, Pitts, R.

BSCI 2210 Principles of Genetics 110 students, MWF 9:10 am, Woelfle, M.

BSCI 2210L Genetics Laboratory 24 students, T/W 1:10 pm, Woelfle, M.

BSCI 2520 Biochemistry I 140 students, MWF 1:10 pm, Nordman, J.

130 students, MWF 2:10 pm, Jackson, L.

27 students, TR 9:35 am, Leich-Hilbun, A.

BSCI 3270 Statistical Methods of Biology

CHEM 2100 Introduction to Analytical Chemistry

CHEM 3710 Bioorganic Chemistry

CHEM 4720 Drug Design and Development

CHEM 3310 Biophysical Chemistry I

CS 1101 Programming and Problem Solving or

CS 1103 Introduction to Programming or

CS 1104 Programming and Problem Solving with Python

MATH 2300 Accelerated Calculus

MATH 2400 Differential Equations or

MATH 2420 Differential Equations

PHIL 3616 Philosophy and the Natural Sciences

PHIL 3630 Philosophy of the Mind

PSY 2100 Quantitative Methods 100 students, TR 2:35-3:50, Tomarken, A.

PSY 3100 Abnormal Psychology 150 students, MWF 3:10 pm, Olatunji, O

PSY 3625 Depression 296 students, TR 4 pm, Hollon, S.

PSY 3705 Human Sexuality 296 students, TR 11:00 am, Smith, L.

PSY 3810 Spatial Cognition 20 students, MWF 1:10 pm, McNamara, T.