

Psychology - Neuroscience Area of Emphasis

*This document is a good starting point, but log into DegreeWorks to see your specific requirements (they could be different).

*The actual “semesters offered” might differ from what is listed here because that information changes occasionally (check Athena to be sure).

Major Area of Psychology – Neuroscience

Methods (7)

Course	Name	Prerequisites	Hrs
PSYC 3980	Research Design in Psychology	PSYC 1101 or PSYC 1101E and [(BIOL 1103 or BIOL 1103E) and BIOL 1103L) or (BIOL 1104 and BIOL 1104L) or (BIOL 1107 or BIOL 1107E and BIOL 1107L) or (BIOL 1108 and BIOL 1108L)] and (STAT 2000 or MATH 2200 or MATH 2250 or MATH 2250E or BIOS 2010-2010L)	3
PSYC 3990	Research Analysis in Psychology	PSYC 3980	4

Group A - Biological Psychology Courses (6 hours)

Choose two courses from the following. Courses used in Group A cannot also count in the Area of Emphasis Related Electives.

PSYC 4100	Cognitive Psychology	(pre or co) PSYC 3990	3
PSYC 4120	Sensation and Perception	(pre or co) PSYC 3990	3
PSYC 4130	Physiological and Comparative Psych	(pre or co) PSYC 3990	3
PSYC 4140	Cognitive Neuroscience	(pre or co) PSYC 3990	3
PSYC 4150	Biological Foundations of Health Psych	(pre or co) PSYC 3990	3

Group B - Social, Developmental and Applied Courses (3 hours)

Choose one course from the following:

PSYC 4200	Social Psych	(pre or co) PSYC 3990	3
PSYC 4210	Psychological Testing	(pre or co) PSYC 3990	3
PSYC 4220	Developmental Psychology	(pre or co) PSYC 3990	3
PSYC 4230	Psychology in the Workplace	(pre or co) PSYC 3990	3

Advanced Laboratory or Seminar (3 hours)

Choose one course from the following (selections subject to departmental approval):

PSYC 4300	Psychology Lab	(pre or co) PSYC 3990	3
PSYC 5100	Seminar in Psychology	PSYC 3990 and permission of major	3
PSYC 5850	Psychopharmacology – Drugs and Behavior	PSYC 4130 or BIOL 1108	
PSYC 5000+	PSYC 5000 level or higher	See Athena for full list each semester	

Area of Emphasis-Related Electives

Choose three courses from the following list.

BCMB 3100	Intro Biochem and Molecular Bio	(CHEM 2211 or CHEM 2311H or CHEM 2411) and (CHEM 2211L or CHEM 2311L or CHEM 2411L) and BIOL 1107 or BIOL 2107H	4
BCMB(GENE) 3433	Bio for Medicine MAYMESTER CORTONA, ITALY	BIOL 1107 or BIOL 1107E	4
BCMB 4120/6120	Human Biochem and Disease	BCMB(BIOL)(CHEM) 3100 or BCMB 4010/6010	4

BCMB 4130	Human Biochem II	BCMB 4120/6120	3
BIOL 3110L	Basic Skills in the Lab *approved for Experiential Learning	[(BIOL 1107 and BIOL 1107L) or (BIOL 2107H and BIOL 2107L)] and [(CHEM 1212 and CHEM 1212L) or (CHEM 1412 and CHEM 1412L)]	4
BIOL(WILD) 3700	Animal Behavior	BIOL 1108-1108L	3
BIOL 4960	Undergrad Research in Bio *approved for Experiential Learning	Permission of department	4
CBIO 3000/L	Comparative Vertebrate Anatomy	One of the following: (BIOL 1103 and BIOL 1103L) or (BIOL 1104 and BIOL 1104L) or (BIOL 1107 and BIOL 1107L) or (BIOL 1108 and BIOL 1108L) or BIOL 2107H or BIOL 2108H (can't take if had CBIO 3010/L)	4
CBIO 3010/L	Functional Human Anatomy	(BIOL 1103 and BIOL 1103L) or (BIOL 1104 and BIOL 1104L) or (BIOL 1107 and BIOL 1107L) or (BIOL 1108 and BIOL 1108L) or BIOL 2107H or BIOL 2108H	4
CBIO 3400	Cell Bio	BCMB 3100 or BCMB 3100E or BCMB 4010/6010; (pre or co) GENE 3200-3200D or GENE 3200H	4
CBIO 3600	Developmental Bio	(BIOL 1107 or BIOL 2107H) and (GENE 3200 or PGEN 3580)	4
CBIO 3710	Principles of Physiology	BIOL 1108-1108L (can't take if had VPHY 3100 or PMCY 3000 because they are duplicate courses)	3
CBIO 3800	Neurobiology	BIOL 1104 or BIOL 1108-1108L	4
CBIO 3800L	Neurobiology Lab	(or co) CBIO(BIOL) 3800	2
CBIO 4200	Biomed Research in Health and Disease	BCMB(CHEM)(BIOL) 3100	3
CBIO 4340/6340	Biology of Aging	GENE 3200-3200D or GENE 3200H or BCMB 3100 or BCMB 3100E or BCMB 4010/6010 (POD for 6340)	3
CBIO 4730/6730	Endocrinology	[(BIOL 1103 and BIOL 1103L) or BIOL 1107-1107L or BIOL 2107H-2107L] and [(BIOL 1104 and BIOL 1104L) or BIOL 1108-1108L or BIOL 2108H-2108L]; pre or co BCMB(BIOL)(CHEM) 3100	3
GENE 3000/D	Evolutionary Bio	BIOL 1103 or BIOL 1103E or BIOL 1103H or BIOL 2103H or BIOL 1104 or BIOL 1104H or BIOL 1107 or BIOL 1107E or BIOL 1107H or BIOL 2107H or BIOL 1108 or BIOL 1108H or BIOL 2108H or PBIO 1210 or PBIO 1220	4
GENE 3200/D	Genetics	BIOL 1103 or BIOL 1103E or BIOL 1103H or BIOL 2103H or BIOL 1104 or BIOL 1104H or BIOL 1107 or BIOL 1107E or BIOL 1107H or BIOL 2107H or BIOL 1108 or BIOL 1108H or BIOL 2108H or PBIO 1210	4
GRNT 3400E	Cognition and the Aging Brain	(PSYC 1101 or PSYC 1101E or PSYC 1030H) and (BIOL 1103 or BIOL 1103E or BIOL 1103H or BIOL 1107 or BIOL 1107E or BIOL 1107H)	3
PMCY 4020/6020	Human Physiology	BIOL 1107 and BIOL 1107L	3
PSYC 3810	Psychology of Health	PSYC 1101 or PSYC 1030H or PSYC 1101E	3
PSYC 4100	Cognitive Psychology	(pre or co) PSYC 3990	3
PSYC 4120	Sensation and Perception	(pre or co) PSYC 3990	3
PSYC 4130	Physiological and Comparative Psych	(pre or co) PSYC 3990	3
PSYC 4140	Cognitive Neuroscience	(pre or co) PSYC 3990	3
PSYC 4150	Biological Foundations of Health Psych	(pre or co) PSYC 3990	3

VPHY 3100	Elements of Physiology	None	3
VPHY 4300/6300	Endocrine Physiology	None	3
VPHY 4400/6400	Principles of Neurophysiology	VPHY 3100 or VPHY 3100E or VPHY 3107-3107D or CBIO 2210-2210L or CBIO 3710 or EHSC 2100 or PMCY 3000 or PMCY 3000E or POUL 4175 or POUL 4200/6200-4200L/6200L or WILD 4400/6400	3
VPHY 4401/6401	Advanced Neurophysiology and Neurological Disorders	VPHY 4400/6400 or CBIO 3800 or PSYC 4130 or PSYC 4130E	3