

Neuroscience (NS) Program Coursework

updated Feb 2007

A. Required courses :

Every student must carry at least **12 units** of graduate course work in each fall and spring semester in order to remain in good standing in the NS Program.

Required courses: (Table 1) Core curriculum courses are NRSC 502, 588, two semesters of NRSC 695B, and a choice of NRSC 506 OR 564 OR 589, totaling 13 units. Additional courses are needed in Statistics, and in Communications & Ethics (5-6 units).

Required research rotations (NRSC 700): Two semesters of laboratory rotations are done in the laboratories of at least two Neuroscience program faculty. *One unit of credit represents three hours of work per week (48 hours/semester per unit).* A total of 4-6 units is recommended (as full semesters, half semesters, or a combination).

TABLE 1: CORE COURSEWORK. (*) indicates required core courses; (#) indicates core courses of which ONE must be selected. Students must achieve a grade of B or better in each of the courses taken in the core curricula; failure to achieve a grade of B or better will result in dismissal from the Program and conversion to non-degree status.

Semester	Course	units	Faculty coordinator
<i>fall core</i>	*NRSC 588 Cell Molec Neurobiology	4	Zinsmaier
	NRSC 700 Research rotation	2-3	NS faculty
	# NRSC 506 Neural Encoding, Memory & Computation in the Mammalian Brain	3	McNaughton
	*NRSC 695B Neurosci. Colloquium	1	Zinsmaier
	(NS elective or minor course to reach total ≥ 12 units per semester)	varies	faculty
<i>spring core</i>	# NRSC 589 Systems Neurobiology	3	Gronenberg
	# NRSC 564 Neurophysiology: Sensorimotor Perspective	3	Fuglevand
	*NRSC 502 Principles of Neuroanatomy NRSC 597H Neuroanatomy Lab (optional)	4 (1)	Nolte
	*NRSC 695B Neurosci. Colloquium	1	Zinsmaier
	NRSC 700 Research rotation	2-3	NS faculty
	(NS elective or minor course to reach total ≥ 12 units per semester)	varies	faculty
<i>Ethics</i>	NRSC 701 Commun in Neurosci (or equivalent)	2	TBA (<i>check availability</i>)
	-and- NRSC 695e Science, Society & Ethics	1	Burd (<i>spring</i>)
	-OR- PHCL 595B -- Scientific Writing Strategies, Skills & Ethics	2	Stamer (<i>fall</i>)
-OR-	PSIO 649 -- Survival Skills and Ethics	3	Hoit (<i>spring</i>)
<i>Statistics</i>	See list on pg 2 for suggested options	3-4	-----

Registration information: Schedule of classes-- <http://garnet.ccit.arizona.edu/schedule.cgi>
 On-line course registration-- https://sl5.ccit.arizona.edu/student_link/login.asp
 (Needed: 9-character Student ID # and 4-digit Personal Identification Number (PIN)).

