

College of Agriculture, Science and Technology
Department of Biological Sciences

PROGRAM: Ph.D. IN NEUROSCIENCE

Year 1 Fall Semester			Year 1 Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL 503	Introduction to Neuroscience	3	BIOL-xxx	Foundation course-II	3
BIOL 590	Professional Development I	3	BIOL505*	Biostats	3
BIOL-xxx	Foundation course-I	3	BIOL 591	Professional Development II	2
			BIOL 690	Thesis Research	2
	Total Credits	9		Total Credits	10

Year 2 Fall Semester			Year 2 Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL-xxx	Neuroscience Elective	3	BIOL-xxx	Neuroscience Elective	3
BIOL-xxx	Biology Elective	3	BIOL-xxx	Biology Elective	3
BIOL 690	Thesis Research I	2	BIOL 691	Thesis Research II	2
	Total Credits	8		Total Credits	8

Year 3 Fall Semester			Year 3 Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL-xxx	Neuroscience Elective	3	BIOL-xxx	Open Elective	3
BIOL-xxx	Biology Elective	3	BIOL 800	Dissertation Research	3
BIOL 603	Strategies for Effective Teaching in Biology	1			
BIOL 692	Thesis Research III	2			
	Total Credits	9		Total Credits	6

Year 4 Fall Semester			Year 4 Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL xxx	Open Elective	3	BIOL 800	Dissertation Research	4
BIOL 800	Dissertation Research	3			
	Total Credits	6		Total Credits	4

Total Credits: 60

IMPORTANT: An extremely critical component of the doctoral degree requires lab work including experimental data collection and analyses, which is carried out by students along with course work. Upon completion of above coursework, a student may register for sustaining thesis (BIOL698) until successful public dissertation presentation and oral defense of research thesis.

Additional notes and requirements:

- A. Courses listed in the above table with a definite course number are required.
- B. *AGNR501 and AGNR551 are considered equivalent to BIOL505
- C. Foundational courses: May take 2 out of 3 from BIOL 520, 521 and 650
- D. Neuroscience electives include BIOL 515, 610, 612, 622, 653

- E. Biology electives include any graduate level course offered by the Department of Biology or other CAST departments with advisor approval.
- F. Open electives include graduate level courses offered by Department of Biology or by other departments, with permission and approval of the instructor and thesis advisor.
- G. Candidacy Requirement: Proposal Defense with Thesis Committee, Passing Qualifier Exams 1 and 2, teaching experience (approved by Research Advisor) submission of examination results, research plan with Candidacy application to the School of Graduate Studies