	Semester 1 (Fall)			Semester 2 (Spring)			Semester 3 (Fall)			Semester 4 (Spring)		
Cell & Molecular	COLLEGE TEACHING	Molecular Biology	Cell Methods	ROTATION 1	Cell Biology	Elective	ROTATION 2*	CRITICAL THINKING	Biochemistry	STATISTICS	Grant Writing	Elective
	CRITICAL THINKING	Molecular Biology	Biochemistry				ROTATION 2*	COLLEGE TEACHING	Elective			
Ecology & Evolution	CRITICAL THINKING	COLLEGE TEACHING	Ecology	ROTATION 1	STATISTICS	Evolution	ROTATION 2*	Elective	Elective	Elective	Grant Writing	Elective
	CRITICAL THINKING	COLLEGE TEACHING	Elective									
Neuro	CRITICAL THINKING	COLLEGE TEACHING	Neurophysiology	ROTATION 1	STATISTICS	Systems Neuro	ROTATION 2*	Computational Neuro 1*	Elective	Elective	Grant Writing	Elective

*Rotation 2 is typically performed in the Summer between the 2nd and 3rd semesters although the registration for the course takes place during Semester 3.

*Computational Neuro 1: Appropriate course may be substituted for students with stronger interests in Cellular and Molecular Neuroscience or Neuroethology and Behavior

All students are required to take College Teaching and it is strongly recommended that they take this in their first semester if they are on a TA. If they are RA they are not exempt from the course but may take it either in Semester 1 or 3.

It is recommended to take a Grant Writing course during Semester 4 to allow students to workshop their Qualifying Exam proposals during the spring semester before the exam takes place.

Students who have already completed Cell Methods may chose to take Biochemistry in Semester 1. Cell Methods is required for Cell Biology, taken in Semester 2.

Ecology is offered in the Fall but usually every other year. Students make take Ecology in Semester 1 or Semester 3 depening on when it is offered.

Program Core Courses RED
Track Core Courses Blue

This is a typical recommended progression and students should work with their advisors, the standards committee, and the graduate program coordinators to ensure they are taking a course progression which will best suit their needs and interests and meet the program requirements.

OFFICIAL CATALOG DESCRIPTION LINK: https://catalog.njit.edu/graduate/science-liberal-arts/biology/phd/
(applies for the Federated program to both Rutgers and NJIT students but is hosted on the NJIT website)