5A. Cognate Sciences Core (31-33 hours)

Chemistry Placement Test: CHM2040, or CHM2041, or CHM2045

CHM 2045C (or CHM 2040-2041) 4/3
CHM 2046 3
CHM 2046L

CHM 2210 CHM 2205 3/3
CHM 2211 or CHM 3120 3/3
CHM 2211L or CHM 3120L 2/1

PHY 2053C or PHY 2048& L 4
PHY 2054C or PHY 2049 & L 4

Math Placement Test: MAC1105, MAC1114, MAC 1140.

MAC 2311 4
STA 2023 3

5B. Lab requirement- Two labs

At least one of these labs must come from section A - Core.

A - Core:

PCB 3044L - Ecology lab
PCB 3063L - Genetics lab
PCB 4081L - Evolutionary Biology Lab

B - Non-Core: designated with †

6. 22 hours of restricted electives are required, with following stipulations:

Courses must be selected from those listed below.

- Include one course exclusively on animals (marked a), and one exclusively on plants (marked p).
- At least 10 of the 22 hours must be courses offered by the Department of Biology (designated with an *), of 10
- Independent Study/Directed Research: May include a maximum of 4hrs towards restricted electives (Completed with Biology Faculty).
- 5000 level courses may be taken by seniors with prior permission of course instructor. You will be charged graduate level tuition.

Required Elective (3hr)
p. BOT 3015* Principles of Plant Science 3

Restricted Electives (choose at least one course from Group A and two from Group B) Remaining credits can be from any group (14 hrs)

Group A

BOT 4922* Plant Science Capstone 2
BOT 4970H Honors Undergraduate Thesis 3

Group B

p. BOT 4223C* Plant Anatomy 4
p. BOT 4303C* Plant Kingdom 4
p. BOT 4503C* Plant Physiology 4
p. BOT 4713C* Plant Taxonomy 4
BOT 4912 Directed Independent Research 4
BOT 4822L* Plant Microtechniques 2

Group C (Other Restricted Electives)
p. BOT 3802* Ethnobotany 3
p. BOT 3018C* Culinary Botany 3
p. BOT 4850* Medicinal Botany 3
BSC 4330* Invasion Biology 3
PCB 3354* Tropic Ecology & Cons. 3