5A. Cognate Sciences Core (31-33 hours)  
Math Placement Test: CHM 1025  
CHM 2045C .............................................. 4  
CHM 2046 .............................................. 3  
CHM 2046L ............................................ 3  
CHM 2210 .............................................. 3  
CHM 2211 or CHM 3120 ................................ 3  
CHM 2211L .............................................. 2  
PHY 2053C (or +L) or PHY 2048C (or +L) ...... 4.0/4   
PHY 2054C (or +L) or PHY 2049C (or +L) ...... 4.0/4  
Math Placement Test: MAT 1033C, MAC 1105C, MAC 1114C, MAC 1140 ......................................................... 4  
STA 2023 .............................................. 3  

5B. Lab requirement- Two labs  
At least one of these labs must come from section A - Core.  
A - Core:  
• PCB 3044 - . Ecology lab  
• PCB 3063 - . Genetics lab  
• PCB 4684L - . Evolutionary Biology Lab  
B - Non-Core: designated with †  

6. 22 hours of restricted electives are required, with following stipulations:  
• of 22 hours are RE GPA  
• 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 *).  
• 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 Electives (choose two of the following courses) (6-8hr)  
BSC 3052* - Conservation Biol  
BSC 4821* - Biogeochemistry  
PCB 4684* - Population Genetics  
a ZOO 4310C* Vert Eeco and Eco  

Restricted Electives (choose from following) (7-9 hrs)  
p. BOT 4303C* - Plant Kingdom  
BSC 3052* - Conservation Biol  
BSC 4330* - Invasion Biology  
BSC 4821* - Biogeochemistry  
BSC 4861L* - Urban Ecology  
OCE 3008* - Oceanography  
PCB 3044L* - Ecology Lab  
PCB 3334L* - Princ Field Ecology  
PCB 3354* - Tropical Ecology & Cons.  
PCB 3355L* - Tropical Marine Bio  
PCB 3442* - Aquatic Ecology  
PCB 4315MC* - Marine Ecology of Florida  
PCB 4353* - Marine Biology  
PCB 4353L* - FL Natural History Lab  
a. PCB 4413* - Sensory Ecology  
PCB 4462* - GIS for Biologists  
PCB 4678* - Evolution in Medicine  
PCB 4684* - Population Genetics  
PCB 5326C* - Ecosystems of FL  
a ZOO 3713C* - Comp Vert Anat  
a ZOO 4310C* Vert Eeco and Eco  
a ZOO 4300* - Mammalogy  
a ZOO 4513* - Animal Behavior  

Note: If all requirements are satisfied on the road map, your major is satisfied.  
Please consult with COSAS for a final graduation check on all university requirements.