5A. Cognate Sciences Core (31-33 hours)
Chemistry Placement Test: CHM1025 Intro to Chemistry 2

CHM 2045C Chemistry Fundamentals I 4
CHM 2046 Chemistry Fundamentals II 3
CHM 2046L Chemistry Fundamentals Lab 1

CHM 2210 CHM 2205 3/5
CHM 2211 or CHM 3120 3/3
CHM 2211L CHM 3120L 2/1

PHY 2053C (or +L) or PHY 2048C (or +L) 4/3+1
PHY 2054C (or +L) or PHY 2049C (or +L) 4/3+1

Math Placement Test: MAC1105* MAC1114* MAC1140*

MAC 2311 or MAC 2233 or MAC 2253 Calculus 4

STA 2023 Statistical Methods I 3

5B. Lab requirement- Two labs
At least one of these labs must come from section A - Core. A - Core:

A - Core:
+PCB 3044L - Ecology lab
+PCB 3063L - Genetics lab
+PCB 4683L - Evolutionary Biology Lab

B - Non-Core: designated with +

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

Course of 22 hours 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 minimum
of 4hrs towards restricted electives- (Completed with Biology Faculty)

5000 level classes may be taken by seniors with prior permission of course instructor. You will be charged graduate level tuition.

6A. Restricted Electives (22 hrs)
Upper division restricted electives

a. ANT 3550C Primatology 3
b. BCH 4024 Medical Biochemistry 4
b. BCH 4053 Biochemistry I 3
b. BCH 4054 Biochemistry II 3
b. BOT 3015B Principles of Plant Science
b. BOT 3018C+ General Botany 4
b. BOT 3802* Ethnobotany 3
b. BOT 4223C Plant Anatomy 4
b. BOT 4228C Plant Microtechniques 4
b. BOT 4303C Plant Kingdom 4
b. BOT 4430C Plant Physiology 4
b. BOT 4530C Plant Genomics and Biochem 4
b. BOT 4713C Plant Taxonomy 4
b. BOT 4850 Medical Botany 3
b. BOT 4922 Plant Science Capstone 2
b. BOT 4970H Honors Undergrad. Thesis 3

Other requirements:
- At least 2.0 GPA in all Biology Core courses
- At least 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common

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.