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

Chemistry Placement Test: CHM1025 Intro to Chemistry 2

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

CHM 2210  CHM 2205  3/5
CHM 2211L 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 Statistics Methods I 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 4683L - Evolutionary Biology Lab

B - Non-Core: designated with †

6. 22 hours of restricted electives are required, with following stipulations:
   - At least 16 hours of 22 hours RE GPA
   - Courses must be selected from the fields 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/Directly Related: 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.

6A. Restricted Electives (22 hrs)

Upper division restricted electives

a. ANT 3550C  Primatology  3
   BCH 4024  Medical Biochemistry  4
   BCH 4053  Biochemistry I  3
   BCH 4054  Biochemistry II  3
   p. BOT 3015*  Principles of Plant Science  Vajravelu
   p. BOT 3018C*  Botany  3
   p. BOT 3802*  Ethnobotany  3
   p. BOT 4223C*  Plant Anatomy  4
   p. BOT 4228C*  Plant Microtechniques  4
   p. BOT 4305C*  Plant Kingdom  4
   p. BOT 4430C*  Biology of Fungi  4
   p. BOT 4503C*  Plant Physiology  4
   p. BOT 4530C*  Plant Genetics and Biochem  4
   p. BOT 4713C*  Plant Taxonomy  5
   p. BOT 4850*  Medical Botany  3
   p. BOT 4922*  Plant Science Capstone  2
   p. BOT 4970H  Honors Undergrad. Thesis  3

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.