1. **State General Education Core**
   - Communication Foundation: ENC 1101
   - Mathematical Foundation: MAC1105C, MAC2311C, MGF1106, MGF1107, STA2023
   - Science Foundation: CHM 2045C, BSC 2010C

2. **General Education Program (36 Hours)**
   [See COSAS for assistance with GEP planning]
   - Communication Foundations
     - ENC 1101 - Composition I
     - ENC 1102 - Composition II
     - SPC 1603C - Fundamentals of Technical Presentations
   - Cultural & Historical Foundations
     - MAC 2311C - Calculus with Analytic Geometry I
   - Social Foundations
     - STA 2023 - Statistical Methods I
   - Science Foundations
     - BSC 2010C - Biology I
     - CHM 2045C - Chemistry Fundamentals I

3. **University Requirements**
   - 9 hours of summer enrollment (total) in academic career
   - At least 2.0 needed: ______UCF GPA ______ Major GPA
   - 42 hours 3xxx-4xxx level – 35 Biology requires = 7 hours left (to be satisfied with free electives or minor) _______ of 7

4. **Major Requirements**
   - A minimum of 2.0 in all UCF courses taken in common program prerequisites, Biology core, and upper division restricted electives.
   - A minimum of a C (2.0) in all Biology offered Core Classes is required for graduation.
   - Exit Exam: to be completed upon completion of Biology core courses
   - Departmental Residency Requirement: ______ of 22
     - 22 hours of regularly scheduled upper division courses must be taken in the UCF Biology Department.

5. **Biology core courses (21 hours)**
   - BSC 2010C Gen Biology ______ 4
   - BSC 2011C Biology 2 ______ 4
   - PCB 3023 Molec Cell Bio ______ 3
   - PCB 3044 Ecology ______ 3
   - PCB 3063 Genetics ______ 3
   - PCB 4863 Evolutionary Biology ______ 4

6. **Cognate Sciences Core (31-33 hours)**
   - General Biology B.S Track
     - Summer 2021 - Present

   **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 or CHM 2205 ______ 3/5
   - CHM 2211 or CHM 3120 ______ 3/3
   - 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, MAC 1140**
   - MAC 2311 or MAC 2233 or MAC 2253 Calculus ______ 4
   - STA 2023 Statistical Methods I ______ 3

   **5B. Lab requirement- Two labs**
   - 6. 22 hours of restricted electives are required, with following stipulations:
     - 4. of 22 hours _______ RE GPA
     - Include one course exclusively on animals (marked a) ______ a and one exclusively on animals (marked p) ______ 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.

   **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 2 ______ 3
     - p. BOT 3015* Principles of Plant Science ______ 3
     - p. BOT 3018C** Culinary Botany ______ 4
     - p. BOT 3802* Ethnobotany ______ 3
     - p. BOT 4223** 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 Genomics and Biochem ______ 4
     - p. BOT 4713C** Plant Taxonomy ______ 5
     - p. BOT 4850* Medical Botany ______ 3
     - p. BOT 4922* Plant Science Capstone ______ 2
     - BOT 4970H Honors Undergrad. Thesis ______ 3

   **5. University Requirements**
   - 9 hours of summer enrollment (total) in academic career
   - At least 2.0 needed: ______UCF GPA ______ Major GPA
   - 42 hours 3xxx-4xxx level – 35 Biology requires = 7 hours left (to be satisfied with free electives or minor) _______ of 7

   **4. Major Requirements**
   - A minimum of 2.0 in all UCF courses taken in common program prerequisites, Biology core, and upper division restricted electives.
   - A minimum of a C (2.0) in all Biology offered Core Classes is required for graduation.
   - Exit Exam: to be completed upon completion of Biology core courses
   - Departmental Residency Requirement: ______ of 22
     - 22 hours of regularly scheduled upper division courses must be taken in the UCF Biology Department.

   **5. Biology core courses (21 hours)**
   - BSC 2010C Gen Biology ______ 4
   - BSC 2011C Biology 2 ______ 4
   - PCB 3023 Molec Cell Bio ______ 3
   - PCB 3044 Ecology ______ 3
   - PCB 3063 Genetics ______ 3
   - PCB 4863 Evolutionary Biology ______ 4

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.