1. **State General Education Core**
   - Communication Foundation: ENC 110
   - Mathematical Foundation: MAC 1105C, MAC 2311C, MGF 1106, MGFI 1107, STA 2023
   - 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
     - Mathematical Foundations
     - MAC 2311C - Calculus with Analytic Geometry I
     - Statistics
     - STA 2023 - Statistical Methods I
   - Social Foundations
   - Science Foundations
     - BSC 2010C - Biology I
     - CHM 2045C - Chemistry Fundamentals I

3. **University Requirements**
   - 9 hours of summer enrollment (total) in academic career. **of 9**
   - At least 2.0 needed: UCF GPA **Major GPA**
   - 48 hours 3xxx-4xxx level – 35 Biology requirements = 13 hours left (to be satisfied with free electives or minor) **of 13**

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 and Required Electives 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 - General Biology **4**
   - BSC 2011C - Biology 2 **4**
   - PCB 3023 - Molec Cell Bio **4**
   - PCB 3044 - Ecology **4**
   - PCB 3063 - Genetics **3**
   - PCB 4683 - Evolutionary Biology **4**

6. **Math Placement Test:** MAT 1033C, MAC 1105, MAC 1114, MAC 1140, MATH 2213 or MAC 2233 or MAC 2253
   - STA 2023 **3**

5A. **Cognate Science Core (33-33 hours)**
   - CHM 2045C (or CHM 2040, 2041, 2042) **4**
   - CHM 2046L **3**
   - CHM 2210 **3**
   - CHM 2211 or CHM 3120 **3**
   - CHM 221L **2**
   - PHY 2053C or PHY 2048C **4**
   - PHY 2054C or PHY 2048C **4**

5B. **Lab requirement - Two labs**
   - At least one of these labs must come from section A - Core.
     - PCB 4313C - Lab. Ecology Lab **4**
     - PCB 4361L - Genetics Lab **4**
     - PCB 4683L - Evolutionary Biology Lab **4**
   - B - Non-Core: designated with an **a**.

6. **22 hours of restricted electives are required, with following stipulations:** 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 b)
   - At least 10 of the 22 hours must be courses offered by the Department of Biology (designated with an **b**). **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 Electives (choose two of the following courses) (6-8hr)**
   - BSC 3052* - Conservation Biol **4**
   - PCB 4821* - Biogeography **4**
   - PCB 4665* - Population Genetics **4**
   - a ZOO 4310C** - Vert Evo and Eco **4**
   - a ZOO 4513* - Animal Behavior **3**

**Restricted Electives (choose from following) (7-9hrs)**
   - p. BOT 4303C - Plant Kingdom **4**
   - p. BOT 4503C - Plant Physiology **4**
   - p. BOT 4713C - Plant Taxonomy **4**
   - BSC 4353* - Bio Res. Meth. & Exp. Des. **3**
   - BSC 4330* - Invasion Biology **3**
   - BSC 4821* - Biogeography **4**
   - BSC 3052* - Conservation Biol **3**
   - BSC 4861L* - Urban Ecology **3**
   - PCB 3343L* - Prim Field Ecology **3**
   - PCB 3354* - Tropic Ecology & Cons. **3**
   - PCB 3355L* - Tropical Marine Bio **3**
   - PCB 3442* - Aquatic Ecology **3**
   - PCB 3703C - Human Physiology **3**
   - PCB 4010C* - Wetland Eco & Biotic Geo. **4**
   - PCB 4316C* - Marine Ecology of Florida **4**
   - PCB 4353* - FI Natural History **3**
   - PCB 4353L* - FL Natural History Lab **3**
   - PCB 4402* - Disease Eco & Immunology **3**
   - a. PCB 4415* - Sensory Ecology **4**
   - a. PCB 4514* - Genetics II **3**
   - a. PCB 4523* - Princ Bio I **3**
   - a. PCB 4524* - Princ Bio II **3**
   - a. PCB 4575* - Wildlife Genetics **3**
   - a. PCB 4675* - Evolution in Medicine **3**
   - a. PCB 4684* - Population Genetics **3**
   - a. PCB 4723* - Animal Physiology **4**
   - a. PCB 5326G - Ecosystems of FL **4**
   - a. PCB 5413C - Marine Ecology of FL **4**
   - a. PCB 5485* - Models in Ecology **3**
   - a. ZBO 3713C* - Comp Vert Anat **3**
   - a. ZBO 3773C - Human Anatomy **4**
   - a. ZBO 4205C* - Bio and Eco Meta Inv **4**
   - a. ZBO 5413C* - Tropic Marine Bio **3**
   - a. ZBO 4415* - Sensory Ecology **3**
   - a. ZBO 4426C* - Animal Behavior **3**
   - a. ZBO 4465C* - Embryology/Development **4**
   - a. ZBO 4475C* - Comp Vert Histology **4**
   - a. ZBO 4476C* - Ichthyology **4**
   - a. ZBO 4477* - Ornithology **3**
   - a. ZBO 4901L* - Res Exp in Zoo Env **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.