Name:  
UCFID:  

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  
  - Mathematical 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: _____ of 9  
  - At least 2.0 needed: _____UCF GPA _____ Major GPA  
  - 48 hours 3xxx-4xxx level – 35 Biology requires = 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 programs and the Pre-Specialties, 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.  

5. Biology core courses (21 hours)  
  - BSC 2011C Biology 2  
  - PCB 3023 Molec Cell Bio  
  - PCB 3044 Ecology  
  - PCB 3063 Genetics  
  - PCB 4683 Evolutionary Biology  

6. 22 hours of restricted electives are required, with following stipulations:  
   - 22 hours _____ 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 *), 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.  

7. Required Electives (choose two of the following courses) (9-10 hrs)  
   - PCB 4723* Animal Physiology  
   - ZOO 3713C Comp Vert Anat  
   - ZOO 3713L** Comp Vert Anat Lab  
   - ZOO 4603C Embryology/Develop  

8. **Classes that satisfy the Required Electives cannot duplicate towards this section. Any Required Electives taken in excess of 9-10hr will count here.**  

9. Restricted Electives (5-6 hrs)  
   - BCH 4053 Biochemistry I  
   - BCH 4054 Biochemistry II  
   - PB 4085 Medical Botany  
   - MCB 3020C Gen Microbiology  
   - PCB 3233 Immunology  
   - PCB 3703C Human Physiology  
   - PCB 4514* Genetics II  
   - PCB 4678* Evolution in Medicine  
   - a. PCB 4723* Animal Physiology  
   - a. ZOO 3713C Comp Vert Anat  
   - a. ZOO 4603C Embryology/Develop  
   - a. ZOO 4756C* Verteg Histology  

10. Additional Biology Electives: (7 hours)  
    a. ANT 3556C Primateology  
    a. BCH 4024 Medical Biochemistry  

11. Pre-Professional Biology Track  
    Catalog Year: Fall 2016 - Spring 2020  

12. 5A. Cognate Sciences Core (31-33 hours)  
    Chemistry Placement Test: CHM1025 Intro to Chemistry  
    - PCB 2045C Chemistry Fundamentals I  
    - PCB 2046 Chemistry Fundamentals II  
    - CHM 2210 CHM 2205  
    - CHM 2211 or CHM 3120  
    - PHY 2053C or PHY 2048C or PHY 2049C  
    - Math Placement Test: MAT1033C, MAC1105C, MAC1114C, MAC 1140  
    - STA 2023 Statistical Methods I  

13. 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 *  

14. 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.