Name ____________________________________________________________________________
UCFID ____________________________

1. State General Education Core
   - Communication Foundation: ENC 110
   - Mathematical Foundation: MAC 1105C, MAC 2311C, MGF 1106, MGF 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
   - 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
   - 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 Courses 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 Gen Biology 4
   - BSC 201 Biology 2 4
   - PCB 3202 Molec Cell Bio 3
   - PCB 3404 Ecology 3
   - PCB 3063 Genetics 3
   - PCB 4683 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.

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Pre-Professional Biology Track
Catalog Year: Summer 2021 to Present

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

   Exam Placement Test: CHM 1025 Intro to Chemistry _____
   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 2111L 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: MAC 1105 ______ MAC 1114 MAC 1140 ______
   MAC 2311 or MAC 2233 or MAC 2253 Calculus ______
   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:
   - PCB 3044L - Ecology lab
   - PCB 3063L - Genetics lab
   - PCB 4683L - Evolutionary Ecology lab

   B - Non-Core: designated with †

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

   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
   (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.

   Required Electives Choose at least two from the following (9-10 hours)

   BCH 4015 - Biochemistry 1
   OR BCH 4024 Medical Biochemistry 4
   PCB 4514* - Genetics II 3
   a. PCB 4723* - Animal Physiology 4
   a. ZOO 3713C* - Comp Vet Anat 5
   a. ZOO 4603C* - Embryology/Develop 5

   Restricted Electives (choose from following (5-6 hrs)

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

   BCH 4024 Medical Biochemistry 4
   BCH 4053 Biochemistry 3
   BCH 4054 Biochemistry 2 3
   p. BOT 4850* - Medical Botany 3
   MCB 3020C - Gen Microbiology 5
   PCB 3202 Immunology 3
   PCB 3522 Molec Bio I 3
   PCB 3703C - Human Physiology 4
   PCB 4514* - Genetics II 3
   PCB 4723* - Animal Physiology 4
   a. ZOO 3713C* - Comp Vet Anat 5
   ZOO 3733C - Human Anatomy 4
   a. ZOO 4205C* - Bio and Eco Meta Inv 4
   a. ZOO 4513* - Animal Behavior 3
   a. ZOO 4603C* - Embryology/Develop 5
   a. ZOO 4756C* - Comp Vet Histology 4

   Additional Biology Electives: (6-8 hours)

   Advisor __________________________ Date _____________

   a. ANT 3550C - Primatology 3
   BCH 4024 - Medical Biochemistry 4
   BCH 4053 - Biochemistry 1 3
   BCH 4054 - Biochemistry 2 3
   p. BOT 3015* - Principles of Plant Science 4
   p. BOT 3018C+ - Culinary Botany 4
   p. BOT 3805 - Ethnobotany 4
   p. BOT 4223C+ - Plant Anatomy 4
   p. BOT 4228C+ - Plant Microtechniques 4
   p. BOT 4303C+ - 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 4970H - Honors Undergrad Thesis 3
   p. BOT 4922* - Plant Science Capstone 2
   BSC 3052* - Conservation Biol 3
   BSC 3312* - Princ Marine Biol 4
   BSC 4312C+ - Adv Marine Biol 4
   BSC 3435* - Bio Res. Meth & Exp Design 3
   BSC 4330* - Invasion Biology 4
   BSC 4456C* - Programming for Bio 4
   BSC 4445C+ - Genomics Lab 4
   BSC 4473C* - Scientific Diving 4
   BSC 4851C - Biogeography 4
   BSC 4861L* - Urban Ecology … 4
   BSC 4927* - Scientific Engagement 3
   BSC 5258L* - Trop Bio Research 3
   BSC 5316C* - Marine Conservation 4
   a. ENY 3571* - Honey Bee Bio & Breeding 4
   a. ENS 4004C* - General Entomology 4
   MCB 3020C - Gen Microbiology 5
   OCE 3008* - Oceanography 3
   a. PAZ 4234* - Zoo Aquarum Mgt 2
   PC 3044L - Ecology Lab 1
   PCB 3063L* - Genetics Lab 1
   PCB 3233 Immunology 1
   PCB 3343L - Princ Field Ecology 3
   PCB 3354* - Tropic Ecology & Cons. 3
   PCB 3355L* - Tropic Marine Bio 3
   PCB 3442* - Aquatic Ecology 3
   PCB 3703C - Human Physiology 4
   PCB 4310C+ - Wetland Ecol & Biogeochem. 4
   PCB 4313C* - Marine Ecology of Florida 3
   PCB 4353* - FL. Ecol, Nat. Hist. & Cons. 3
   PCB 4353L* - FL Ecology Lab 1
   PCB 4460* - Disease Ecol & Immunology 3
   a. PCB 4413* - Sensory Ecology 3
   PCB 4514* - Genetics II 3
   PCB 3522 Molec Bio I 3
   PCB 4662* - GIS for Biologists 3
   PCB 4524 - Molec Bio 2 3
   PCB 4575* - Wildlife Genetics 3
   PCB 4683L* - Evol. Biology Lab 1
   PCB 4678* - Evolution in Medicine 3
   PCB 4684* - Population Genetics 3
   PCB 4723* - Animal Physiology 4
   PCB 5326C* - Ecosystems of FL 4
   PCB 5435C* - Models in Ecology 4
   PCB 5485* - Marine Ecology of FL 4
   a. ZOO 3713C* - Comp Vet Anat 5
   ZOO 3733C - Human Anatomy 4
   a. ZOO 4205C+ - Invertebrate Biodiversity 4
   a. ZOO 4310C+ - Vet Eco and Eco 4
   a. ZOO 4405C+ - Sea Turtle Internship 3
   ZOO 4480* - Mammalogy 3
   a. ZOO 4480L+ - Mammalogy Lab 1
   a. ZOO 4513* - Animal Behavior 3
   a. ZOO 4642C* - Herpetology 4
   a. ZOO 4653L* - Embryology/Develop 5
   a. ZOO 4756C+ - Comp Vert Histology 4
   a. ZOO 3454* - Ichthyology 3
   a. ZOO 4272* - Ornithology 3
   a. ZOO 4910L+ - Res Exp in Zoo Env 3