

Name \_\_\_\_\_  
UCFID \_\_\_\_\_

General Biology B.S Track  
Summer 2021 - Present

| Advisor _____  | Date _____                      | _____ |
|----------------|---------------------------------|-------|
| BSC 3052*      | Conservation Biol               | 3     |
| BSC 3312*      | Princ Marine Biol               | 3     |
| BSC 3453*      | Bio Res. Meth & Exp Design      | 3     |
| BSC 4310*      | Service Learning Marine Conserv | 3     |
| BSC 4312C*†    | Adv Marine Biol                 | 4     |
| BSC 4330*      | Invasion Biology                | 3     |
| BSC 4445C*†    | Genomics Lab                    | 4     |
| BSC 4456C*     | Programming for Bio             | 3     |
| BSC 4473C*     | Scientific Diving               | 4     |
| BSC 4821*      | Biogeography                    | 4     |
| BSC 4861L*     | Urban Ecology...                | 3     |
| BSC 4910C*     | Group Effort Applied Resear     | 4     |
| BSC 4927*      | Scientific Engagement           | 3     |
| BSC 5258L*     | Trop Bio Research               | 3     |
| BSC 5316*      | Marine Conservation             | 4     |
| a. ENY 3571*†  | Honey Bee Bio& Beekeeping       | 3     |
| a. ENY 4004C*† | General Entomology              | 4     |
| MCB 3202C      | Gen Microbiology                | 5     |
| OCE 3008*      | Oceanography                    | 3     |
| a. PAZ 4234*   | Zoo& Aquarium Mgt               | 3     |
| PCB 3044L*     | Ecology Lab                     | 1     |
| PCB 3063L*     | Genetics Lab                    | 1     |
| PCB 3233       | Immunology                      | 3     |
| PCB 3343L*     | Princ Field Ecology             | V     |
| PCB 3354*      | Tropic Ecology & Cons.          | 3     |
| PCB 3355L*     | Tropical Marine Bio             | 2     |
| PCB 3442*      | Aquatic Ecology                 | 3     |
| PCB 3522       | Molec Bio I                     | 3     |
| PCB 3703C      | Human Physiology                | 4     |
| PCB 4301C*†    | Wetland Eco & Biogeochem.       | 4     |
| PCB 4353*      | Fl Eco., Nat. Hist. & Cons.     | 3     |
| PCB 4353L*†    | FL Ecology Lab                  | 1     |
| PCB 4402*      | Disease Eco & Immunology        | 3     |
| a. PCB 4413*   | Sensory Ecology                 | 3     |
| PCB 4462*      | GIS for Biologists              | 3     |
| PCB 4514*      | Genetics II                     | 3     |
| PCB 4315C*†    | Marine Ecology of Florida       | 3     |
| PCB 4524       | Molec Bio 2                     | 3     |
| PCB 4575*      | Wildlife Genomics               | 3     |
| PCB 4683L*     | Evol. Biology Lab               | 1     |
| PCB 4678*      | Evolution in Medicine           | 3     |
| PCB 4684*      | Population Genetics             | 3     |
| a. PCB 4723*   | Animal Physiology               | 4     |
| PCB 5326C*     | Ecosystems of Fl                | 5     |
| PCB 5435C*     | Marine Ecology of Fl            | 4     |
| PCB 5485*      | Models in Ecology               | 3     |
| a. ZOO 3713*   | Comp Vert Anat                  | 4     |
| ZOO 3713L*†    | Comp Vert Anat Lab              | 1     |
| ZOO 3733C      | Human Anatomy                   | 4     |
| a. ZOO 3454*   | Ichthyology                     | 3     |
| a. ZOO 4205C*† | Invertebrate Biodiversity       | 4     |
| a. ZOO 4272*   | Ornithology                     | 3     |
| a. ZOO 4310C*† | Vert Evo and Eco                | 4     |
| a. ZOO 4405C*† | Sea Turtle Internship           | 3     |
| a. ZOO 4462C*† | Herpetology                     | 4     |
| a. ZOO 4480*   | Mammalogy                       | 4     |
| ZOO 4480L*†    | Mammalogy Lab                   | 1     |
| a. ZOO 4513*   | Animal Behavior                 | 3     |
| a. ZOO 4603C*† | Embryology/Develop              | 5     |
| a. ZOO 4756C*† | Comp Vert Histology             | 4     |
| a. ZOO 4910L*† | Res Exp in Zoo Env              | 3     |

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

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  | CHM 2205    | _____ | 3/5 |
| CHM 2211  | 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\_\_\_\_, MAC 1140\_\_\_\_,

|   |       |   |
|---|-------|---|
| MAC 2311 or MAC 2233 or MAC 2253 Calculus | _____ | 4 |
| 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 Biology Lab \_\_\_\_\_

B - Non-Core: designated with †

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 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   | Primateology                | _____ | 3 |
| BCH 4024       | Medical Biochemistry        | _____ | 4 |
| BCH 4053       | Biochemistry 1              | _____ | 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 4223C*† | Plant Anatomy               | _____ | 4 |
| BOT 4282C*†    | 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 Genomics and Biochem  | _____ | 4 |
| p. BOT 4713C*† | Plant Taxonomy              | _____ | 5 |
| p. BOT 4850*   | Medical Botany              | _____ | 3 |
| BOT 4922*      | Plant Science Capstone      | _____ | 2 |
| BOT 4970H      | Honors Undergrad. Thesis    | _____ | 3 |

1. State General Education Core

- Communication Foundation: ENC 1101
- Cultural Foundation: HUM2020, MUL2010, THE2000, PHI2010
- Mathematical Foundation: MAC1105C, MAC2311C, MGF1106, MGF1107, STA2023
- Social Foundation: ECO2013, POS2041, AMH2020, PSY2012, SYG2000, ANT2000
- 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

Mathematics

- 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
- ❖ 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
  - o 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 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.