1. State General Education Core
- Communication Foundation: ENC 110
- 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
Mathematics
- MAC 2311C - Calculus with Analytic Geometry I
- 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 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 2011C Gen Bio        4
- PCB 3023 Molec Cell Bio   4
- PCB 3044 Ecology         3
- PCB 3065 Genetics        4
- PCB 4863 Evolutionary Bio 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.

Marine & Aquatic Biology Track
Catalog Year: 2016-2019

5A. Cognate Sciences Core (31-33 hours)
- CHM 2045C (or CHM 2040)     _______o/3
- CHM 2046               _______o
- CHM 2046L             _______o
- CHM 2210 CHM 2205     _______o/3
- CHM 2211 or CHM 3120   _______o/3
- CHM 2211L CHM 3120L    _______o/2
- PHY 2053C or PHY 2048C       _______o
- PHY 2054C or PHY 2049C       _______o

Math Placement Test: MAT1033C, MAC1105, MAC1114, MAC 1140
- STA 2023 _______o

5B. Lab requirement- Two labs
At least one of these labs must come from section A - Core.
- A - Core:
  - PCB 3044L - Ecology lab _______o
  - PCB 3063L - Genetics lab _______o
  - PCB 4683L - Evolutionary Biology lab _______o
- 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) _______o, and one (marked p) _______o
- At least 10 of the 22 hours must be courses offered by the Department of Biology (designated with an *), _______o
- 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 one of the following courses) (3hrs)
- BSC 3312* Principles of Marine Biology _______o

Restricted Electives (12 hrs)
- BSC 4312C* Adv Marine Biol _______o
- BSC 4821* Biogeography _______o
- OCE 3008* Oceanography _______o
- PCB 3044L* Ecology Lab _______o
- PCB 3355L* Tropical Marine Bio _______o
- PCB 3442* Aquatic Ecology _______o
- PCB 4316C* Marine Ecology of Florida _______o
- PCB 4456C* Marine Ecology of Florida _______o
- PCB 4821* Animal Physiology _______o
- PCB 5326C* Ecosystems of FL _______o
- PCB 5435C* Marine Ecology of FL _______o
- PCB 5485* Models in Ecology _______o
- a. ZOO 3713C* Comp Vert Anat _______o
- a. ZOO 3733C* Human Anatomy _______o
- a. ZOO 4025C* Bio and Ecol Meta Inv _______o
- a. ZOO 4310C* Vert Vertebrate Anatomy _______o
- a. ZOO 4480* Mammalogy _______o
- a. ZOO 4513* Animal Behavior _______o
- a. ZOO 4662C* Ornithology _______o
- a. ZOO 4911L* Res Exp in Zoo Env _______o

5A. Cognate Sciences Core (31-33 hours)
- CHM 2045C (or CHM 2040)     _______o/3
- CHM 2046               _______o
- CHM 2046L             _______o
- CHM 2210 CHM 2205     _______o/3
- CHM 2211 or CHM 3120   _______o/3
- CHM 2211L CHM 3120L    _______o/2
- PHY 2053C or PHY 2048C       _______o
- PHY 2054C or PHY 2049C       _______o

Math Placement Test: MAT1033C, MAC1105, MAC1114, MAC 1140
- STA 2023 _______o

5B. Lab requirement- Two labs
At least one of these labs must come from section A - Core.
- A - Core:
  - PCB 3044L - Ecology lab _______o
  - PCB 3063L - Genetics lab _______o
  - PCB 4683L - Evolutionary Biology lab _______o
- 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) _______o, and one (marked p) _______o
- At least 10 of the 22 hours must be courses offered by the Department of Biology (designated with an *), _______o
- Independent Study/Directed Research: May include a maximum of 4hrs towards restricted electives. (Completed with Biology Faculty)
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- a. ZOO 3733C* Human Anatomy _______o
- a. ZOO 4025C* Bio and Ecol Meta Inv _______o
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- a. ZOO 4662C* Ornithology _______o
- a. ZOO 4911L* Res Exp in Zoo Env _______o

Name_________________________ Date ____________